

On the Long-Run Evolution of Inheritance:  
France 1820-2050  
Data Appendix  
Part 2 (Figures and Tables)

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First version: November 13<sup>th</sup>, 2009

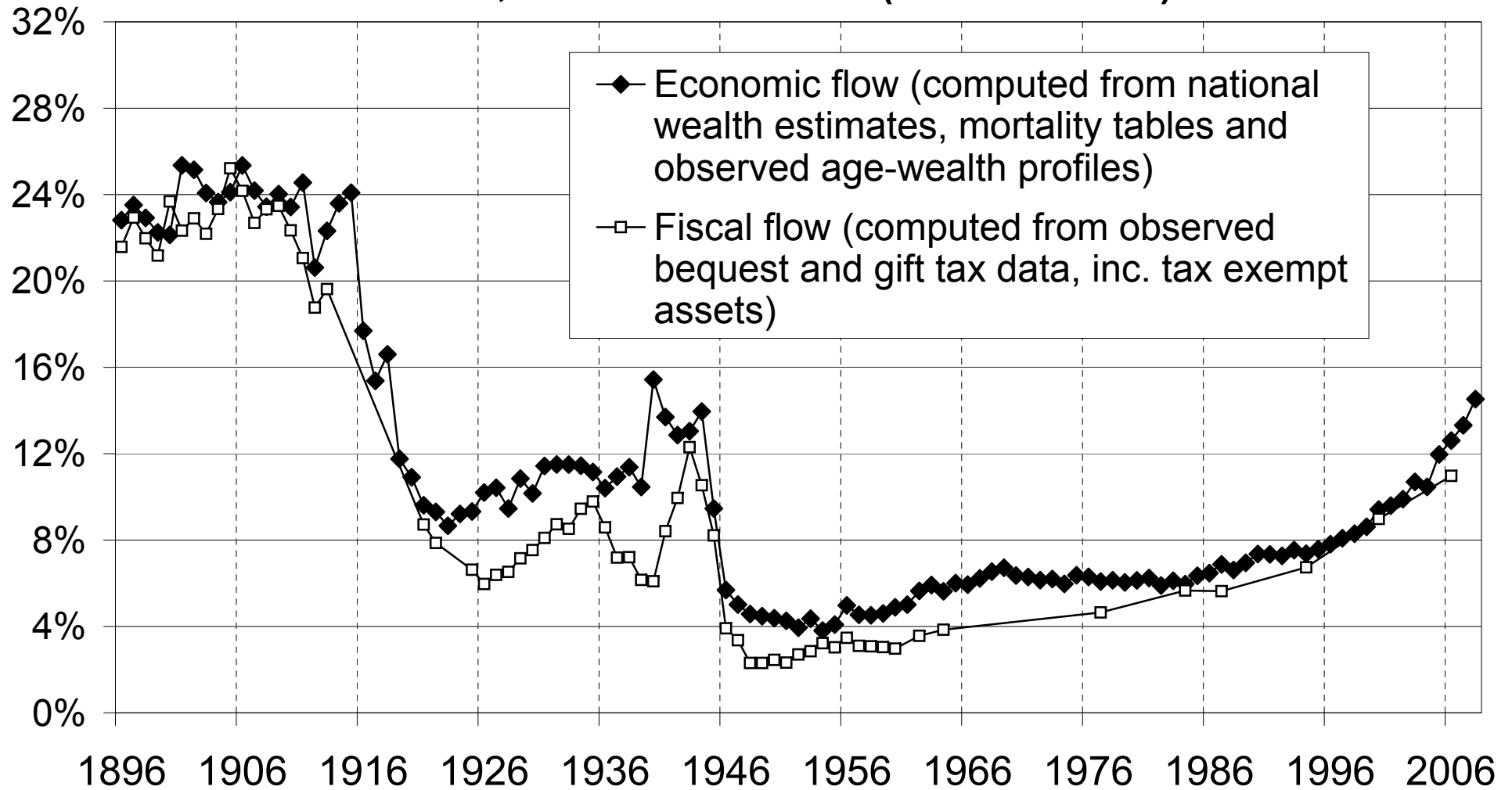
This version: September 3<sup>rd</sup>, 2010

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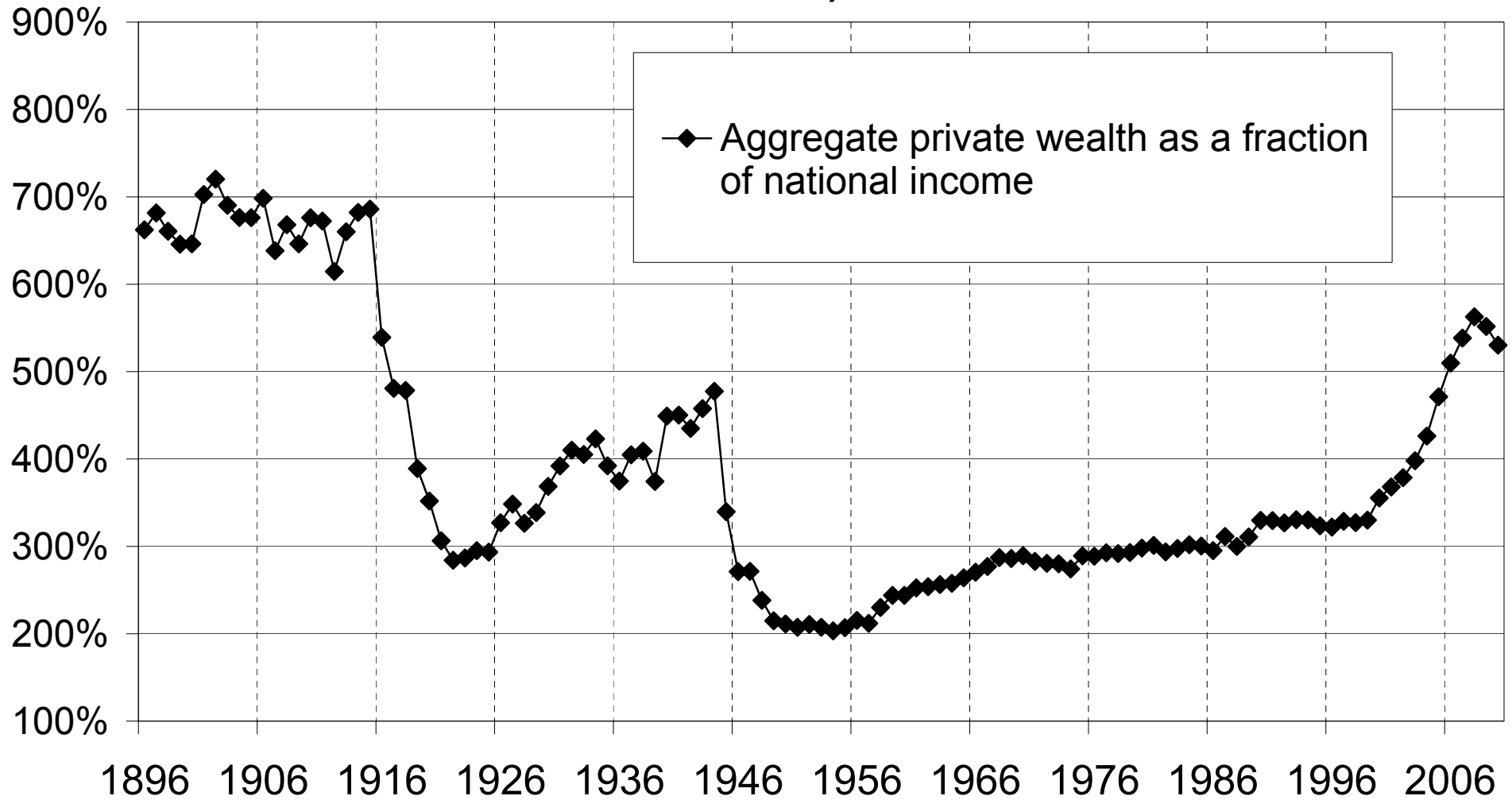
This data appendix supplements the working paper by the same author "On the Long Run Evolution of Inheritance – France 1820-2050", PSE, 2010. The working paper and the data files are available on-line at [www.jourdan.ens.fr/piketty/inheritance/](http://www.jourdan.ens.fr/piketty/inheritance/) .



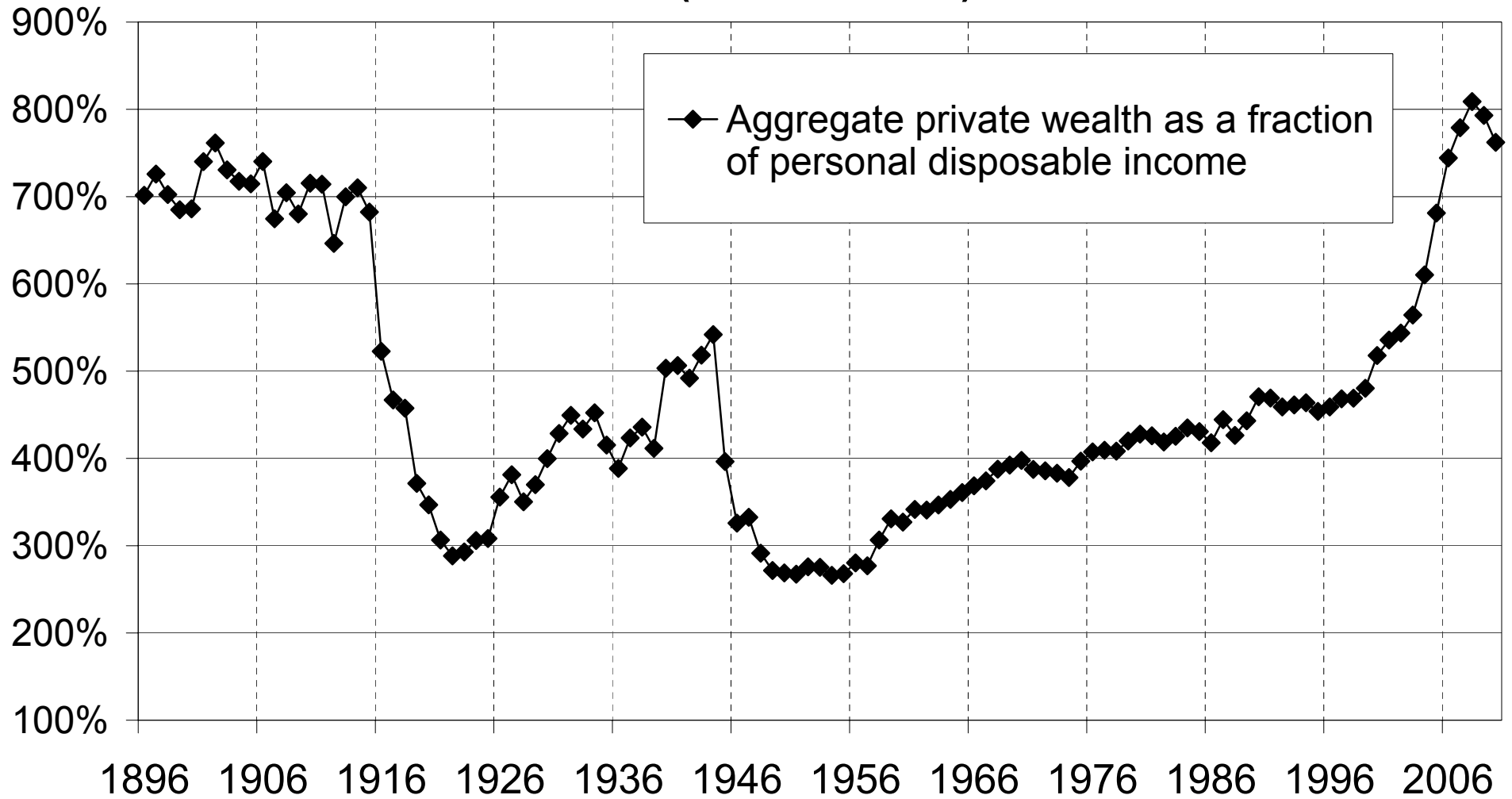
**Figure A1: Annual inheritance flow as a fraction of national income, France 1896-2008 (annual series)**



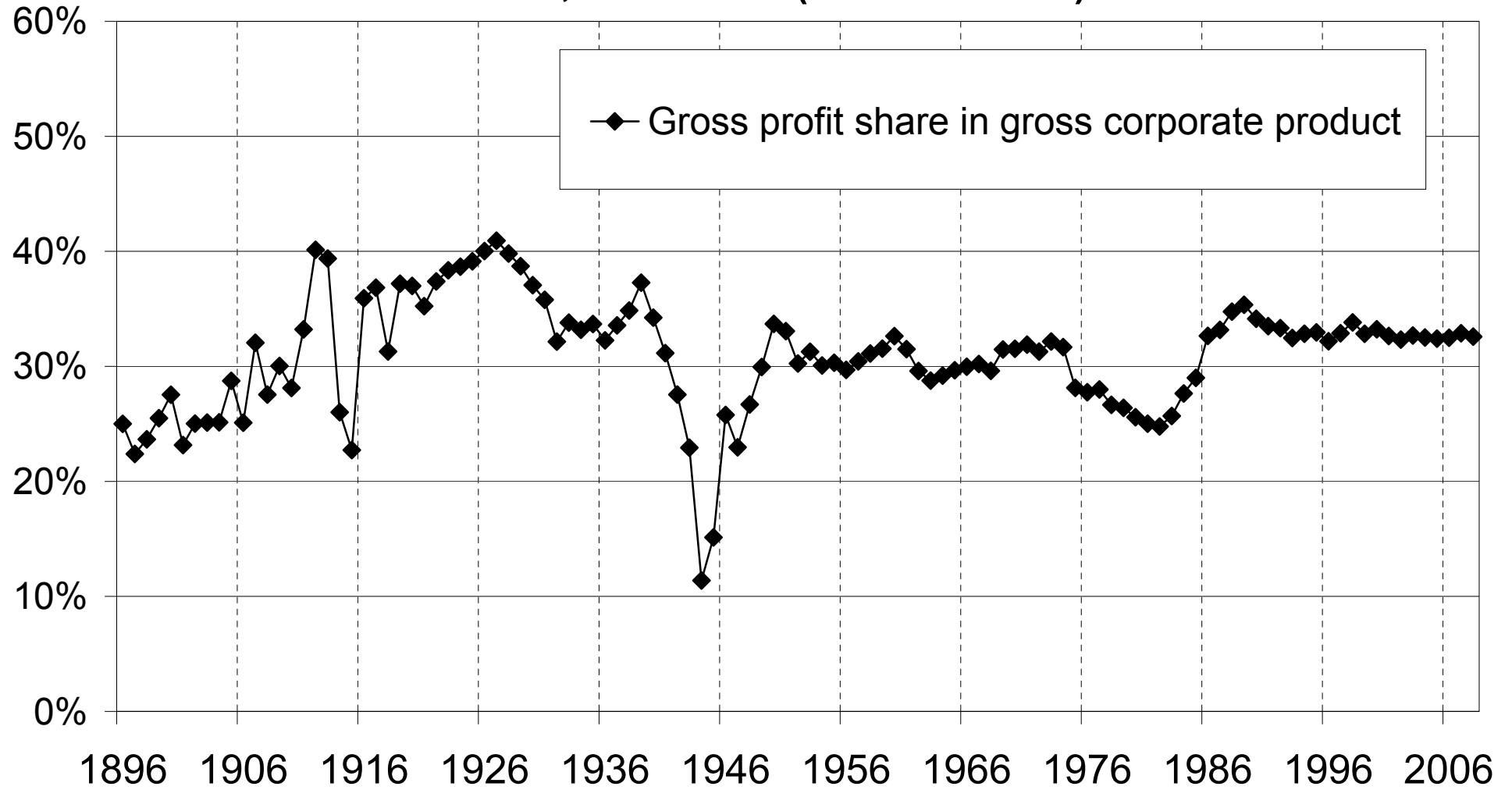
**Figure A2: Wealth-income ratio in France 1896-2010 (annual series)**



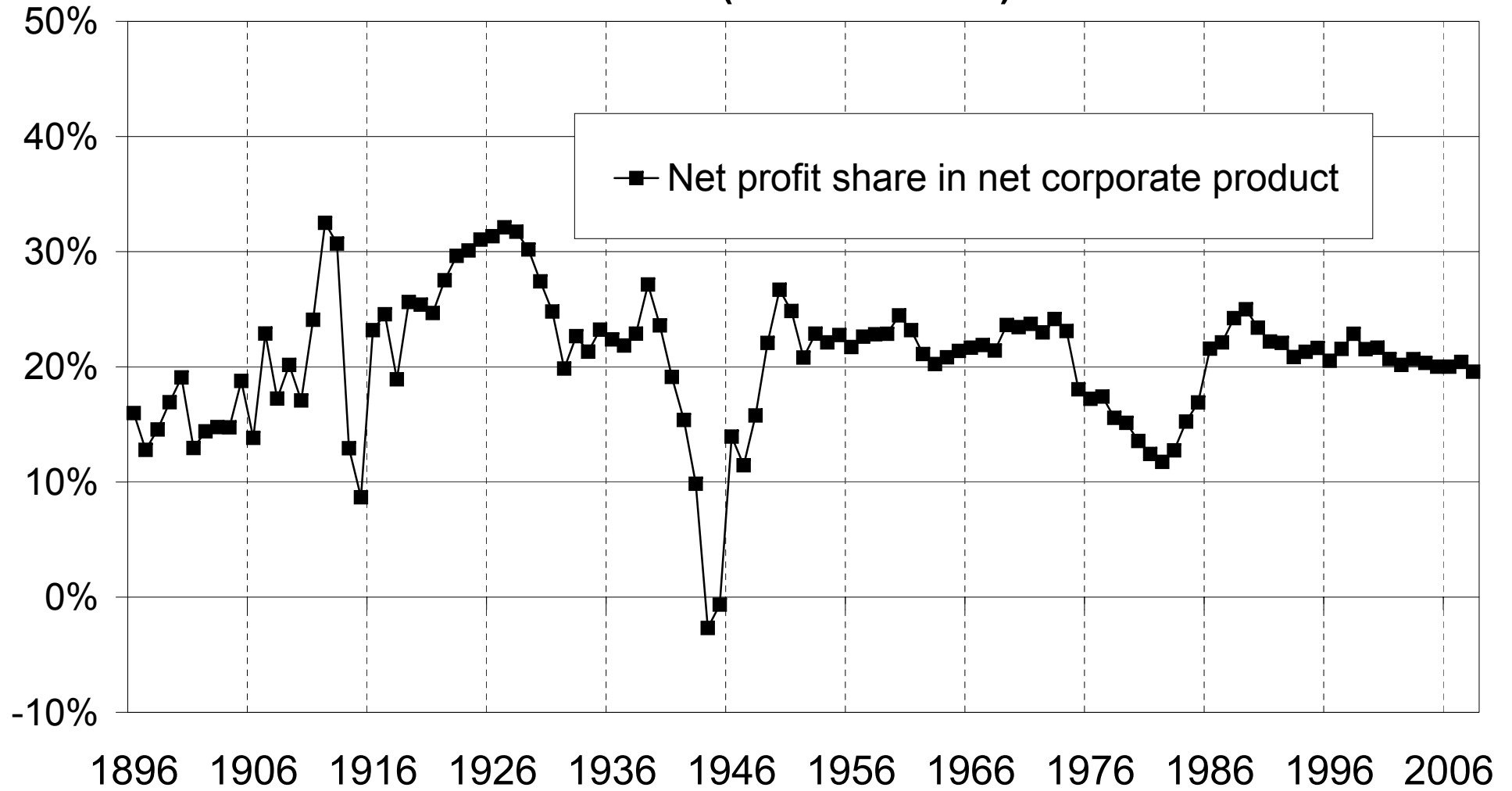
**Figure A3: Wealth-disposable income ratio in France 1896-2010 (annual series)**



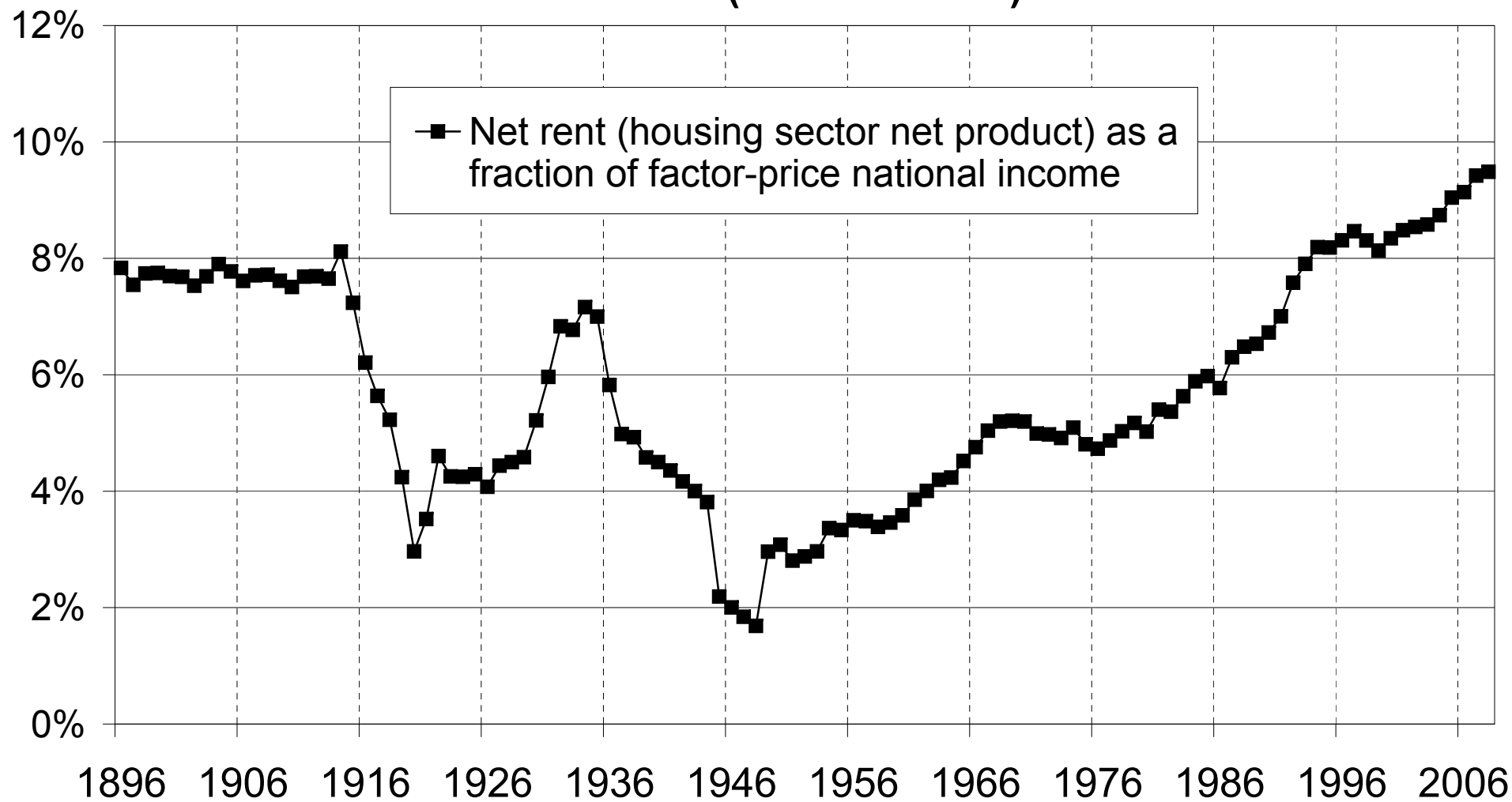
**Figure A4: Gross capital share in the French corporate sector, 1896-2008 (annual series)**



**Figure A5: Net capital share in the French corporate sector, 1896-2008 (annual series)**

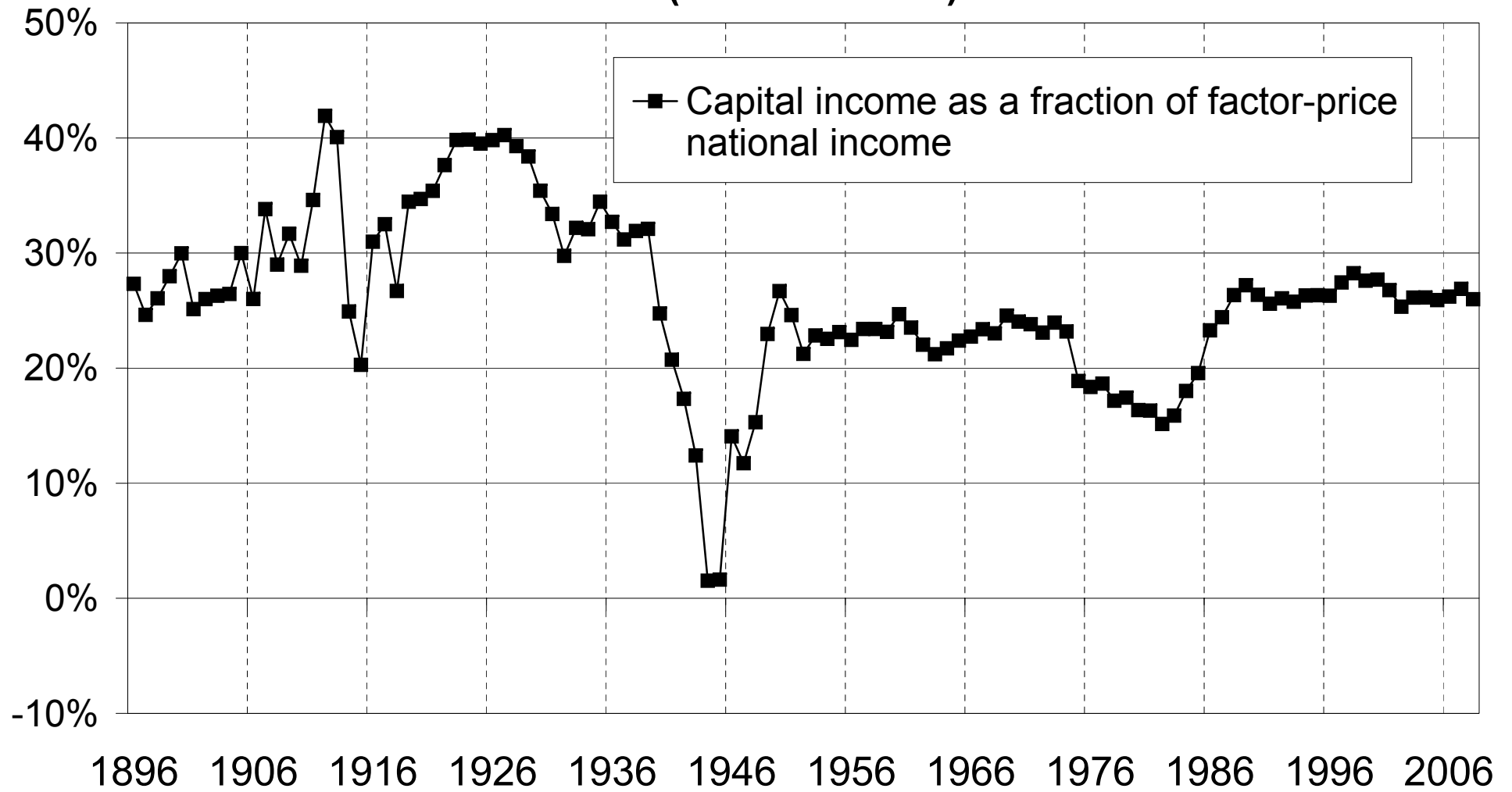


**Figure A6: Rental income share in national income, France  
1896-2008 (annual series)**

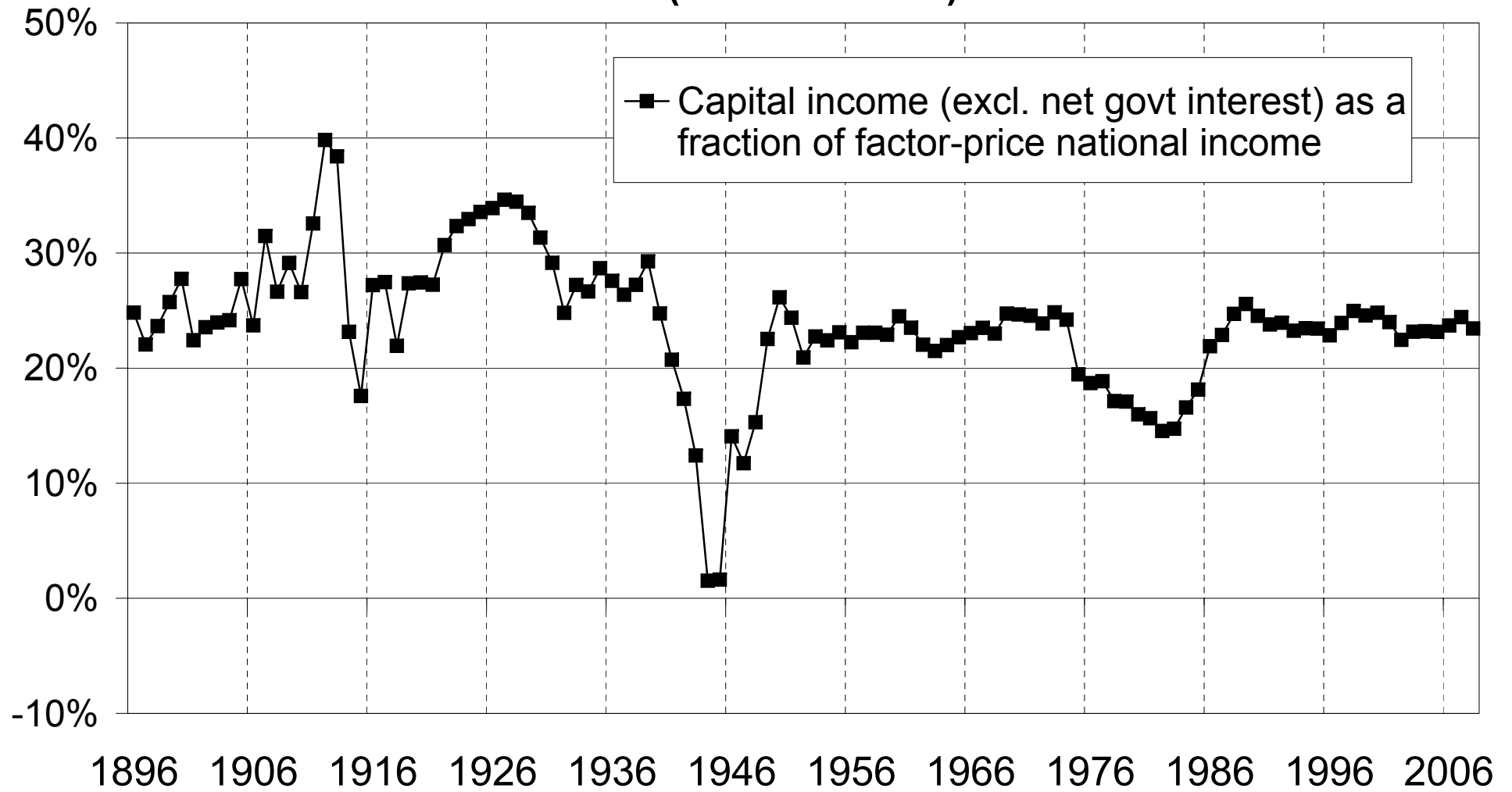




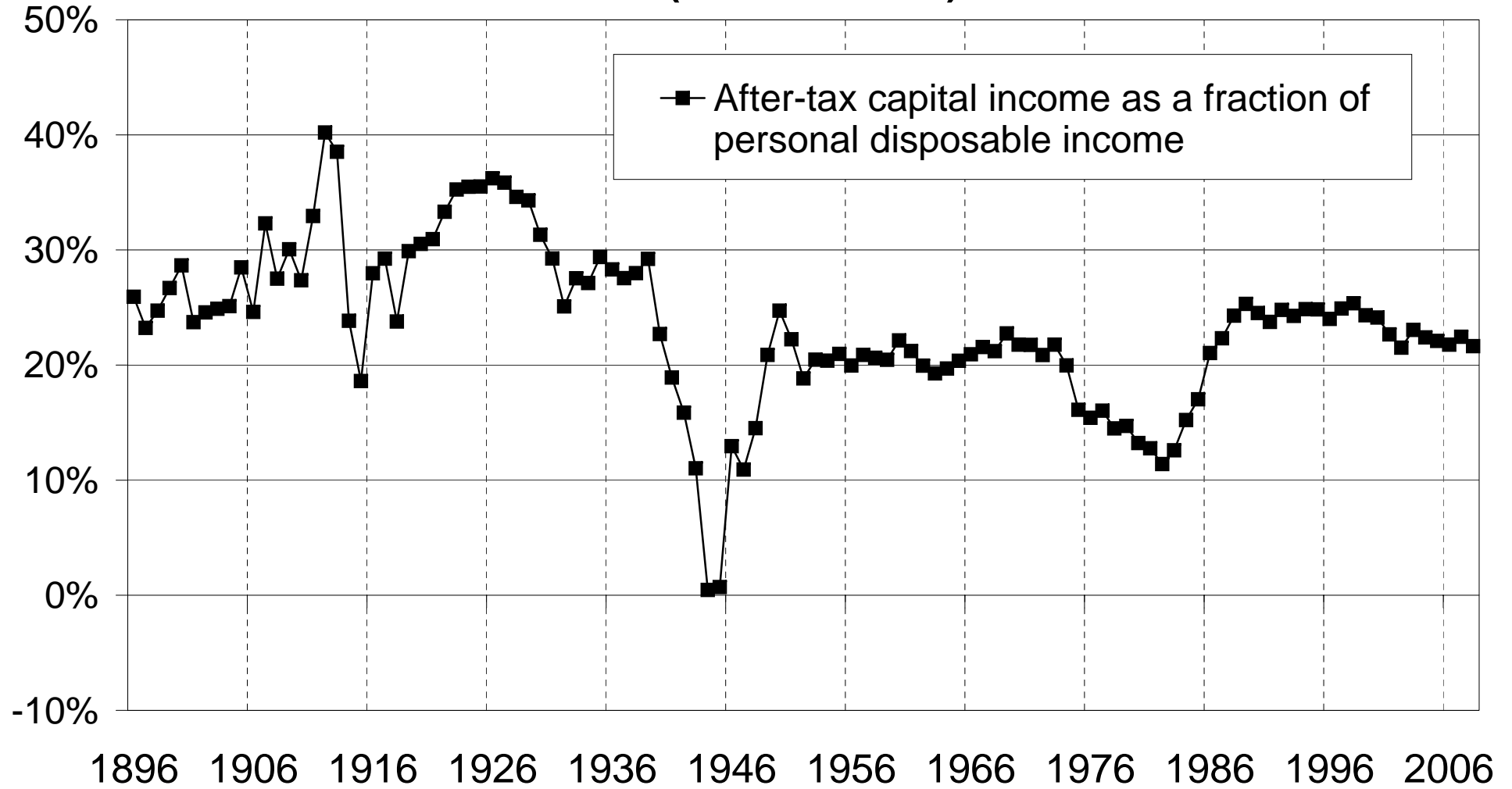
**Figure A7: Capital share in national income, France 1896-2008 (annual series)**



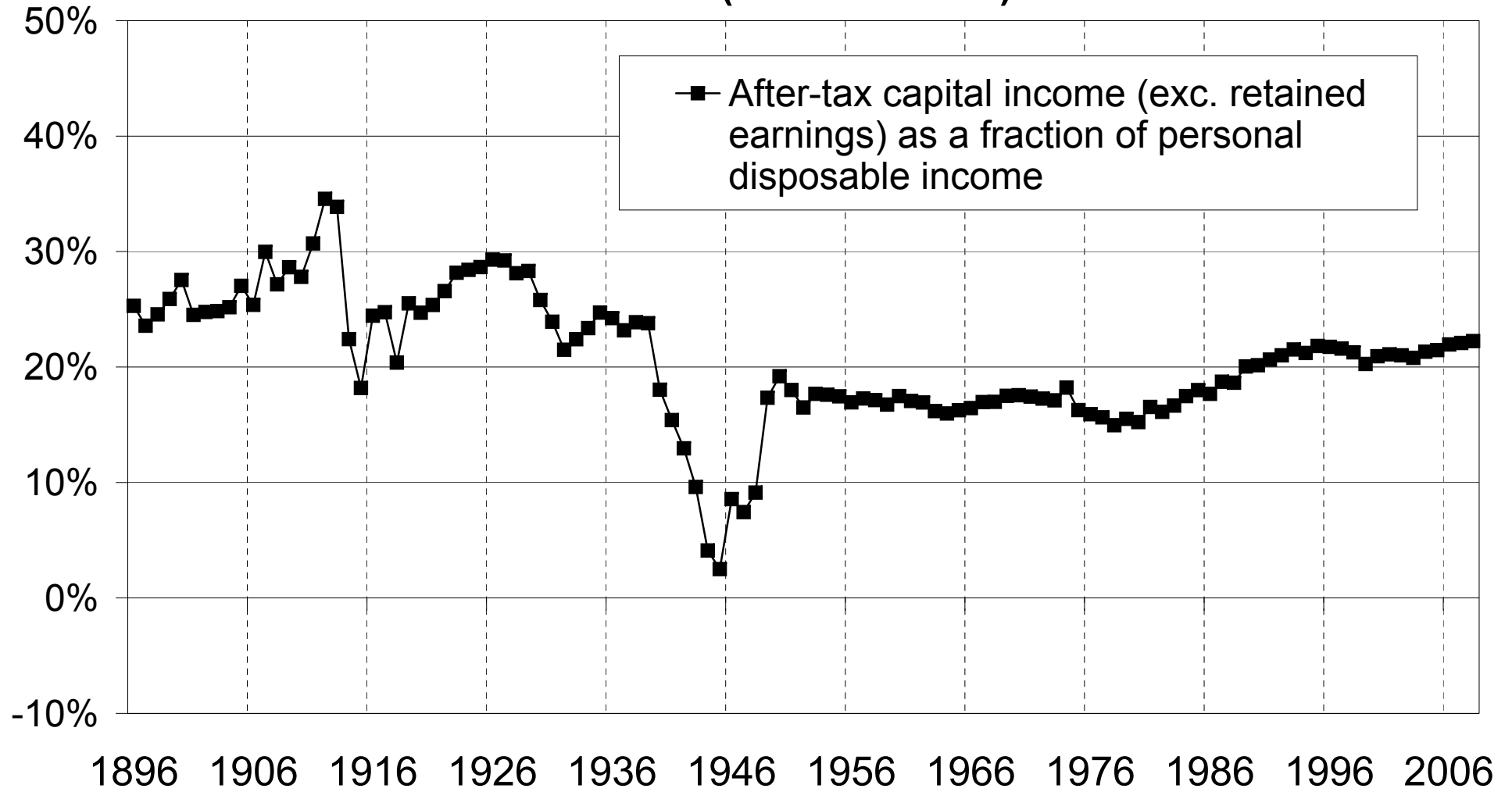
**Figure A8: Capital share in national income, France 1896-2008 (annual series)**



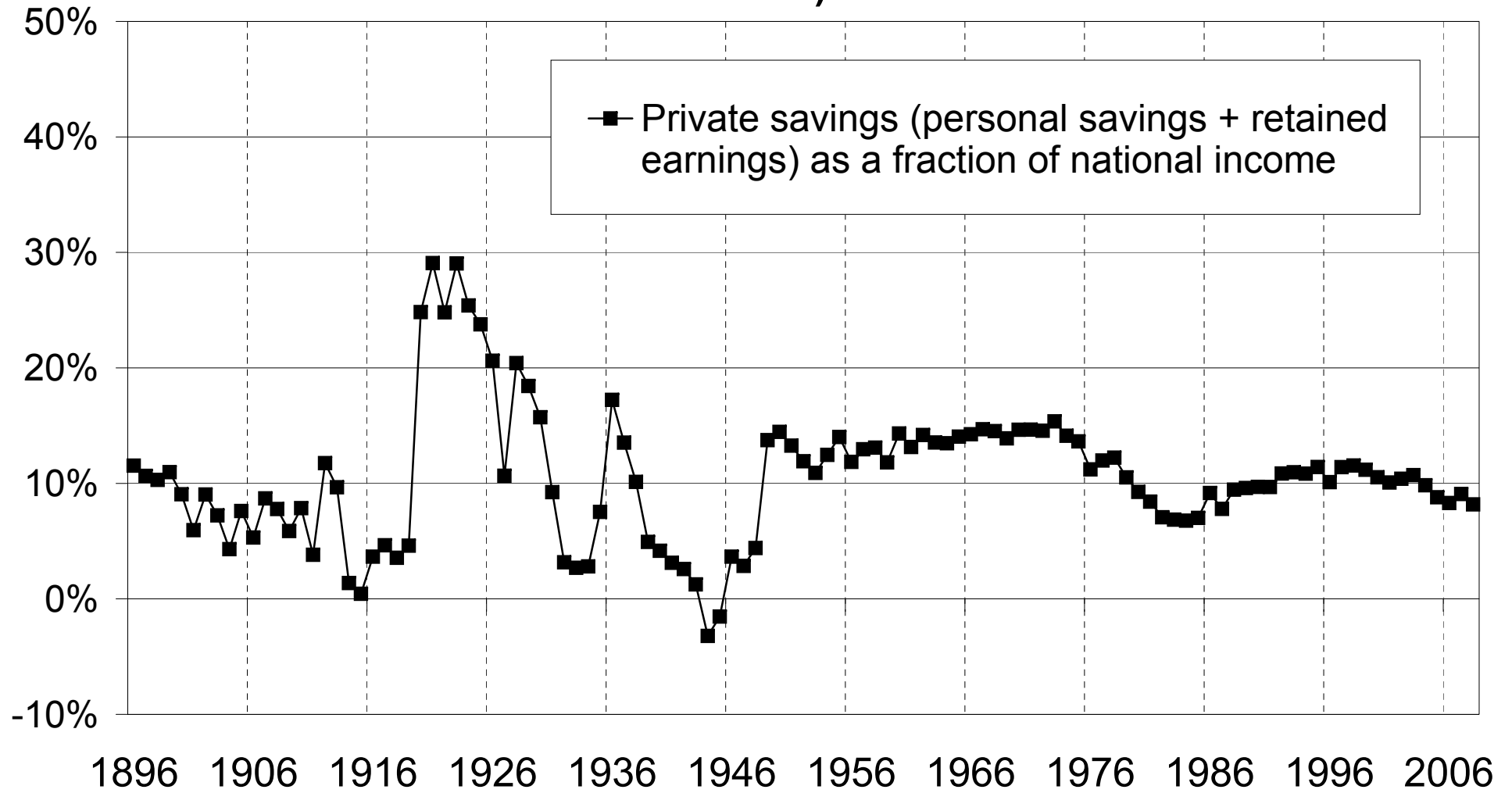
**Figure A9: Capital share in disposable income, France 1896-2008 (annual series)**



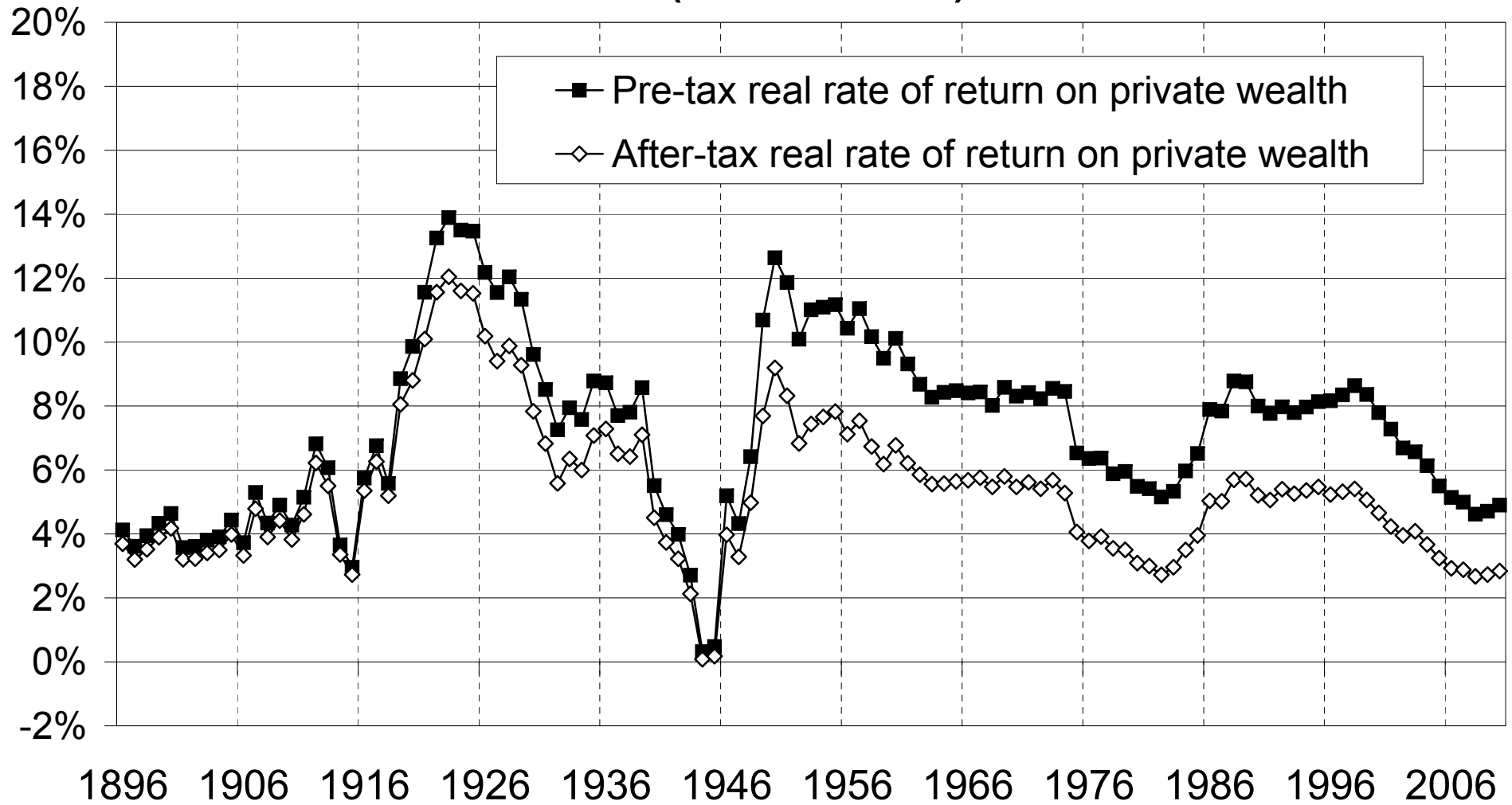
**Figure A10: Capital share in disposable income, France  
1896-2008 (annual series)**



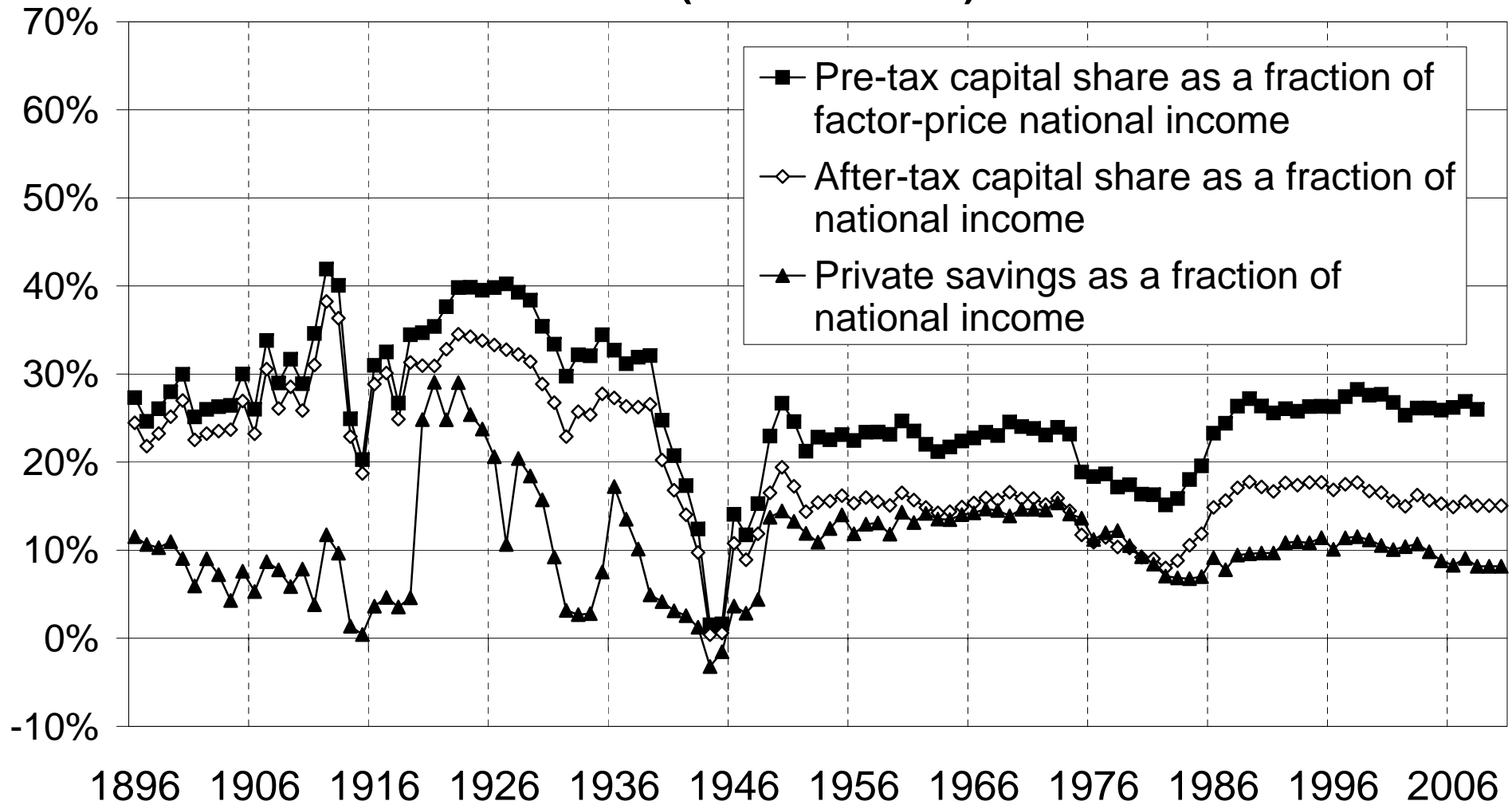
**Figure A11: Private savings, France 1896-2008 (annual series)**



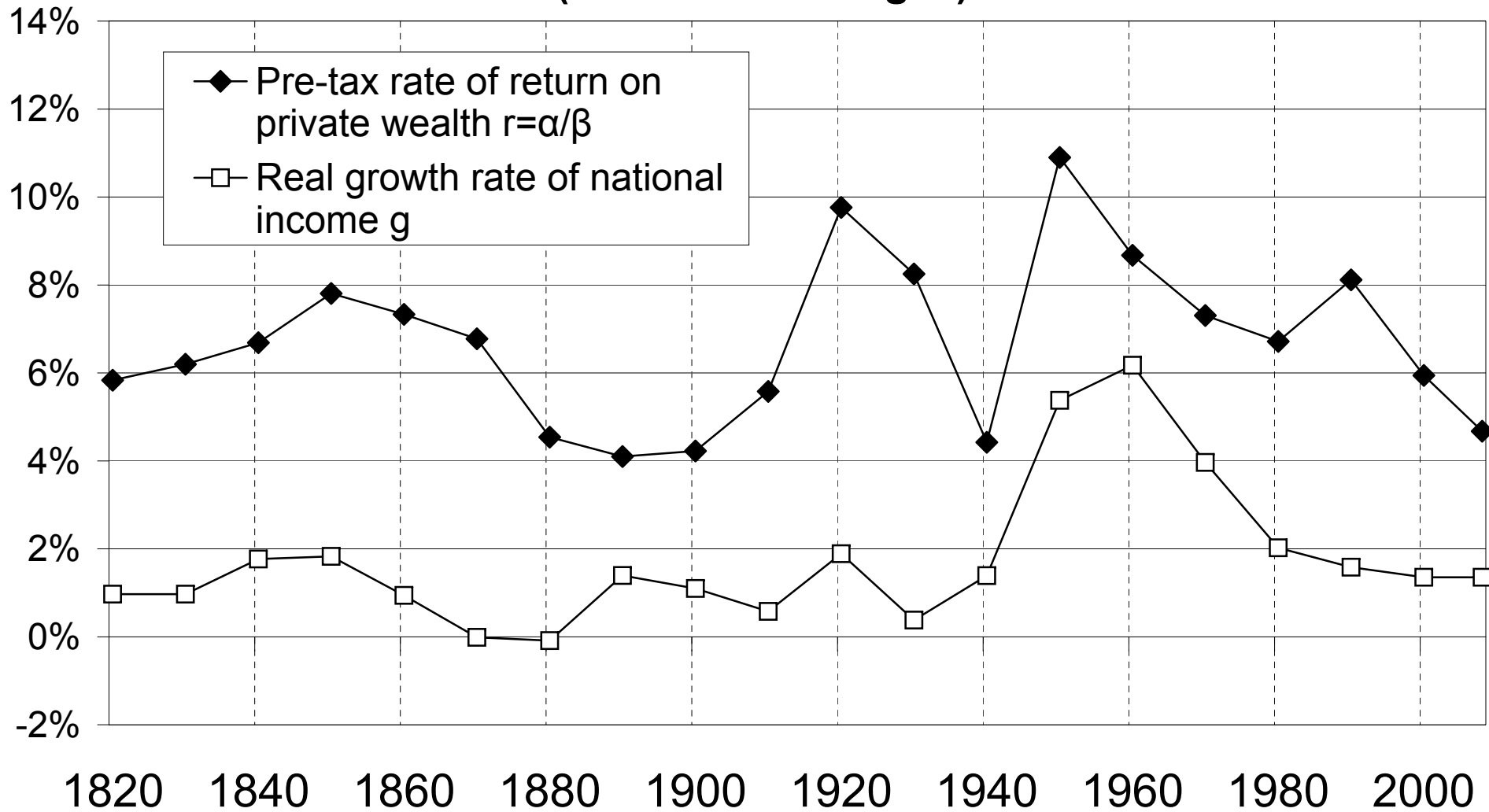
**Figure A12: Rates of return on private wealth, France 1896-2008 (annual series)**



**Figure A13: Capital shares vs savings rate, France 1896-2008 (annual series)**

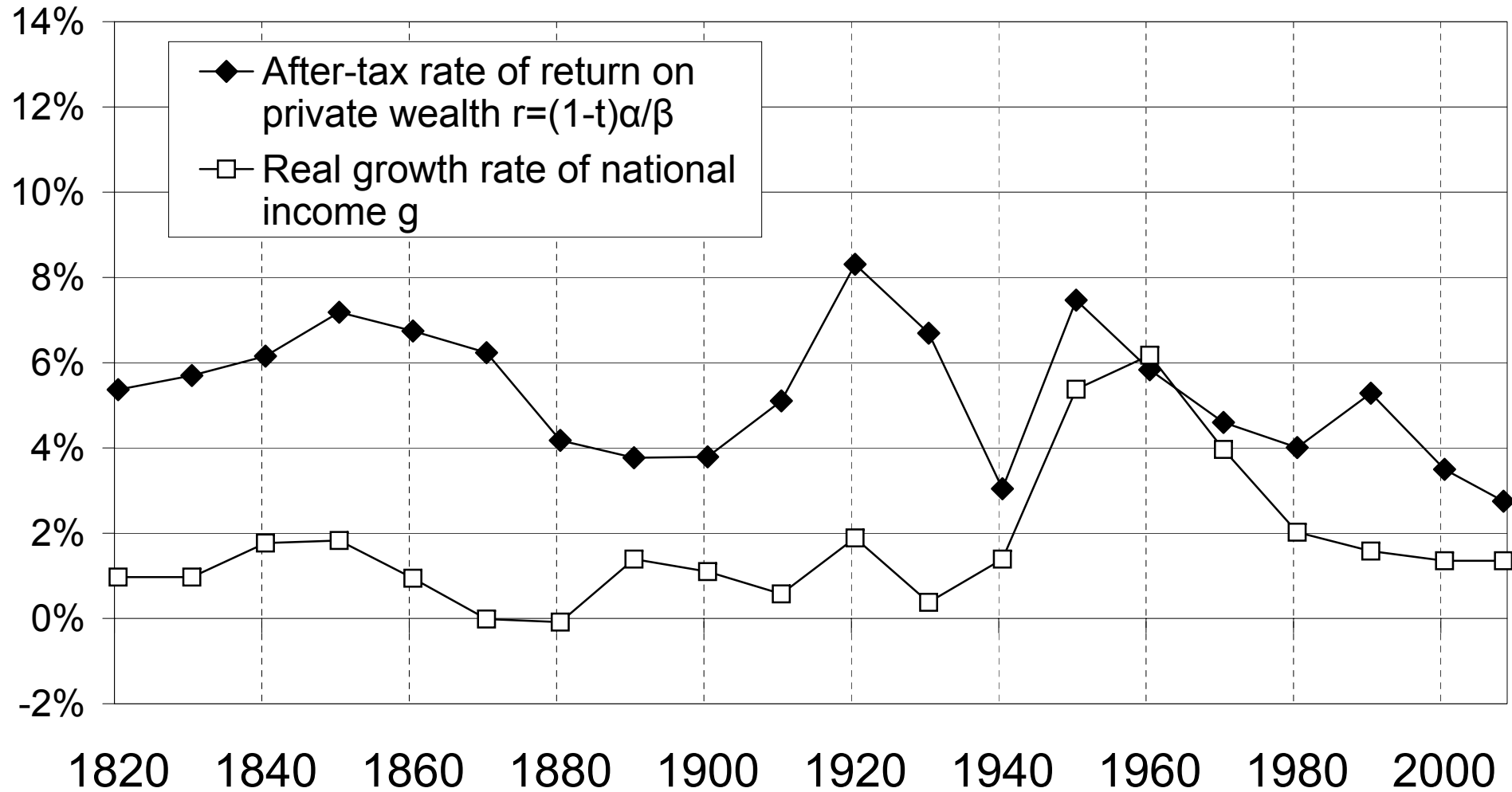


**Figure A14: Rate of return vs growth rate, France 1820-2008**  
(decennial averages)

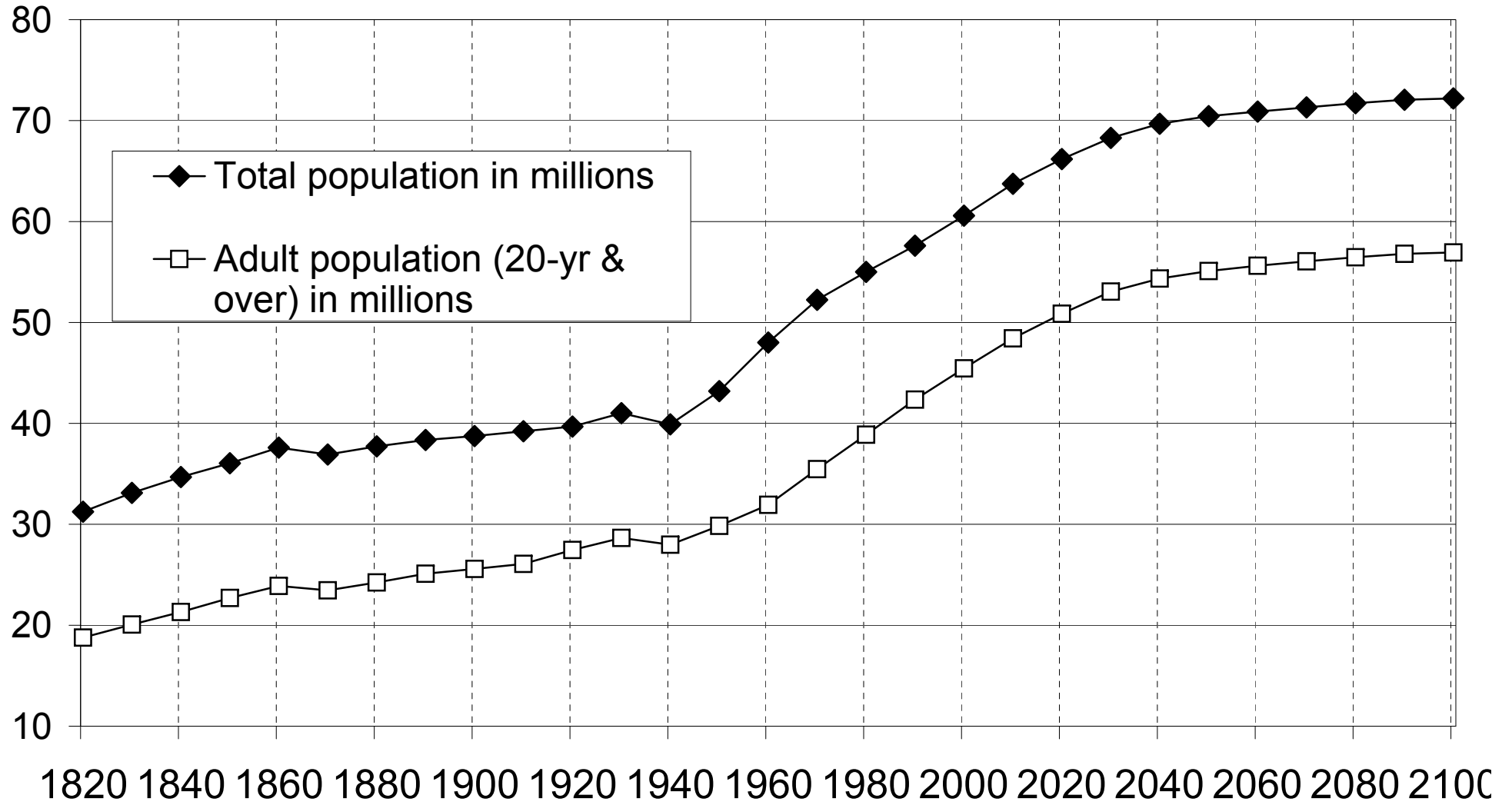




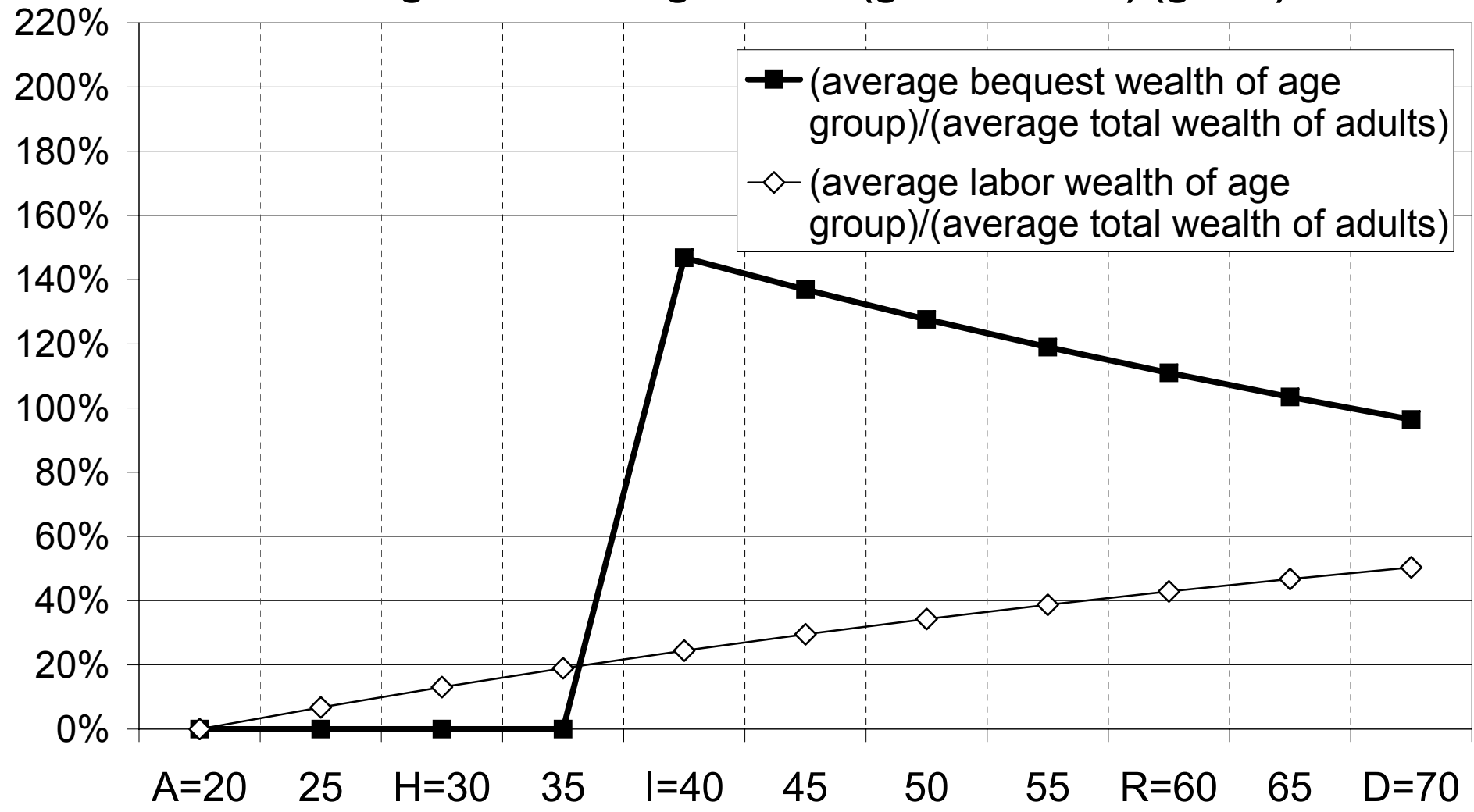
**Figure A15: Rate of return vs growth rate, France 1820-2008  
(decennial averages)**



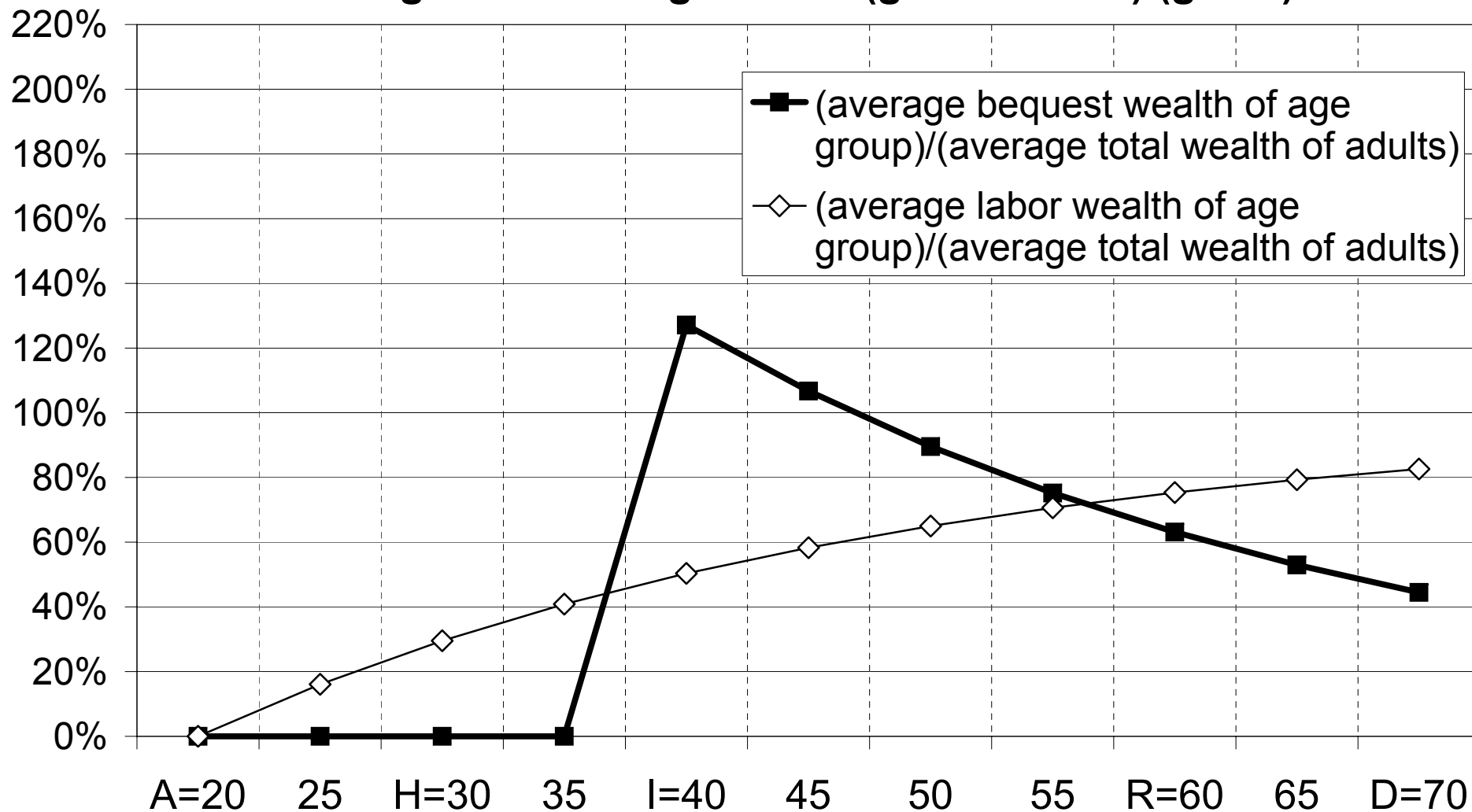
**Figure C1: Population growth in France, 1820-2100**



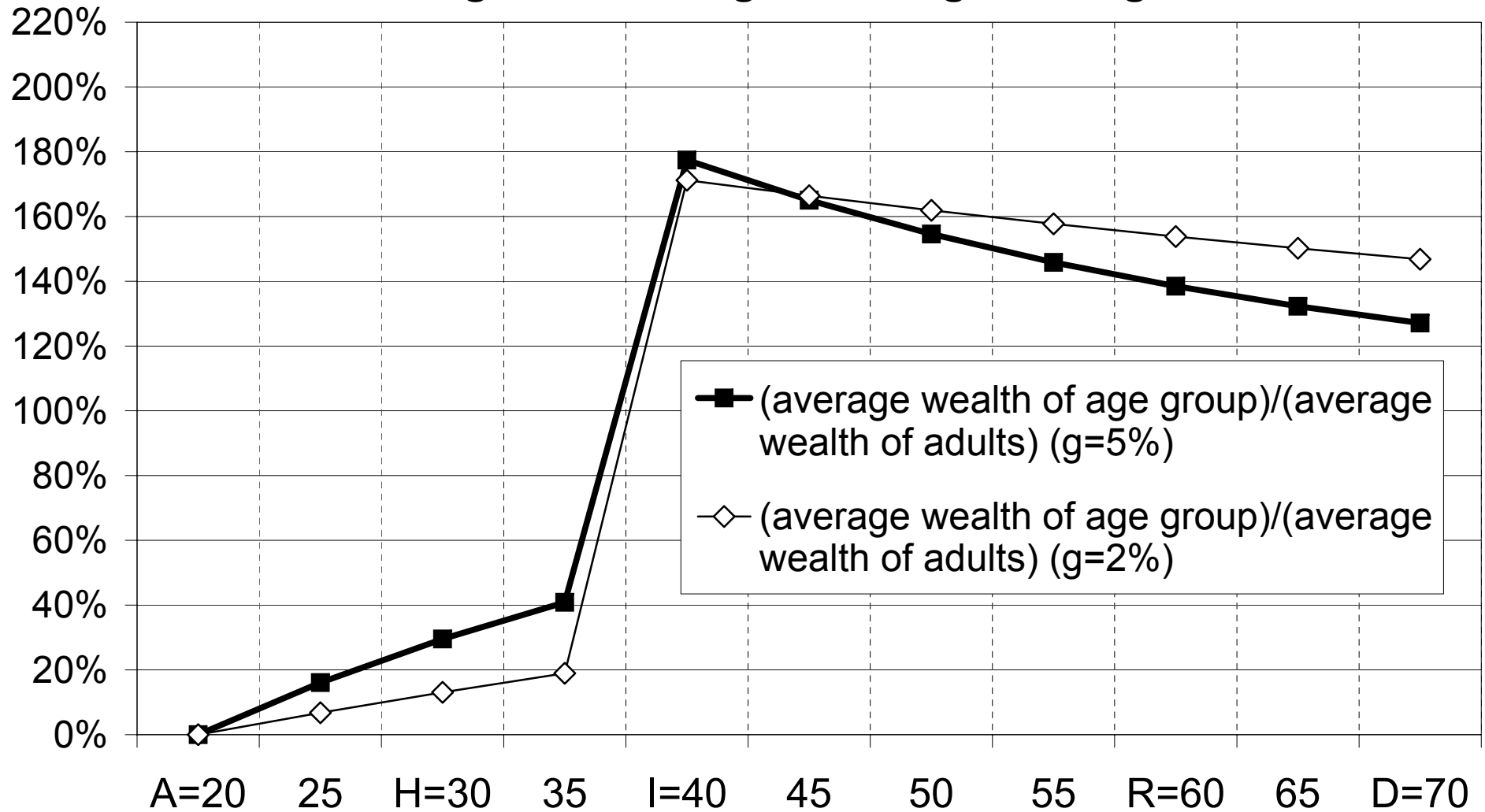
**Figure E1: Steady-state cross-sectional age-wealth profile  
in the exogenous savings model (general case) ( $g=2\%$ )**



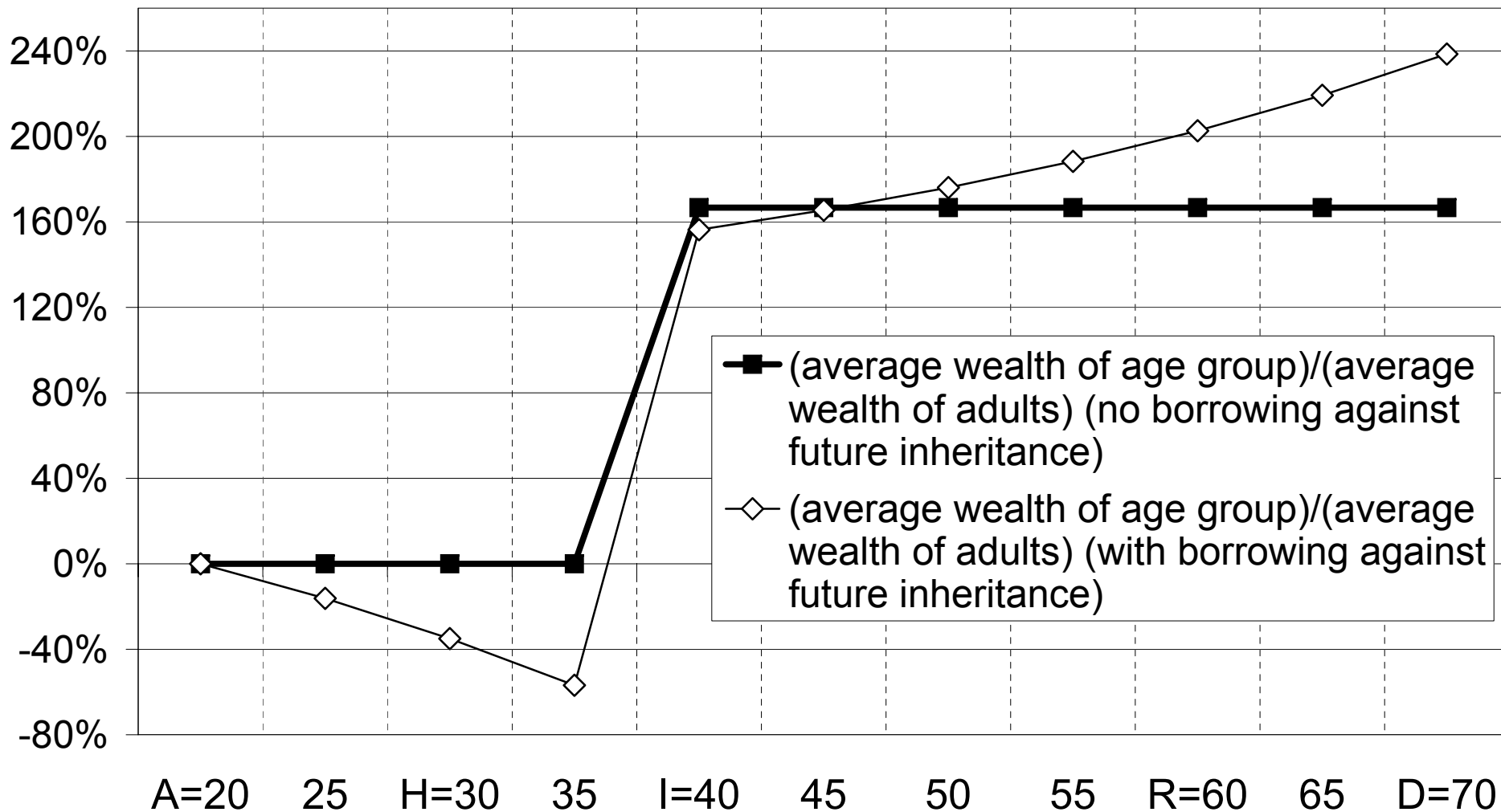
**Figure E2: Steady-state cross-sectional age-wealth profile  
in the exogenous savings model (general case) ( $g=5\%$ )**



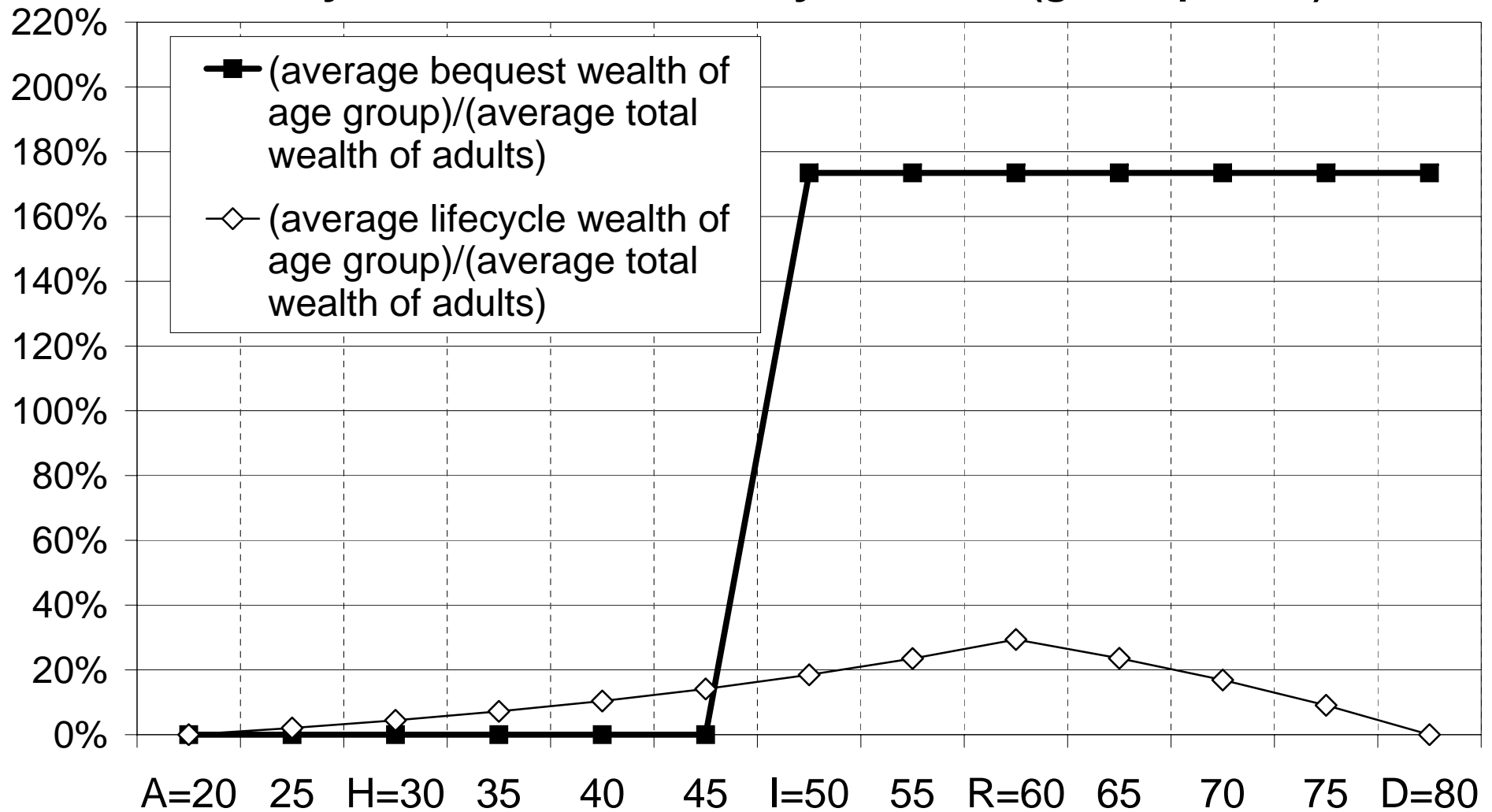
**Figure E3: Steady-state cross-sectional age-wealth profile  
in the exogenous savings model:  $g=5\%$  vs  $g=2\%$**



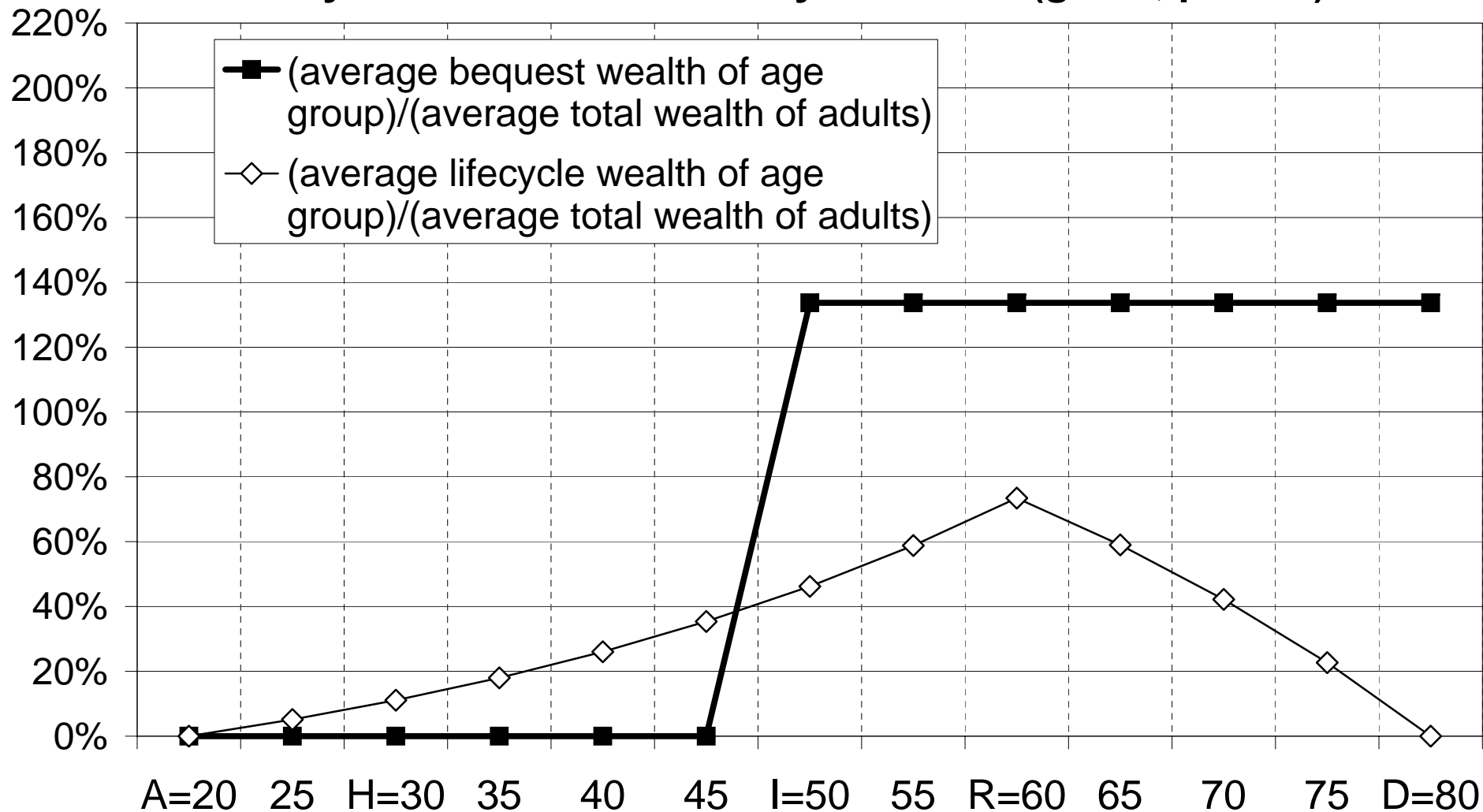
**Figure E4: Steady-state cross-sectional age-wealth profile in the dynastic model: no borrowing vs borrowing**



**Figure E5: Steady-state cross-sectional age-wealth profile in the dynastic model with lifecycle wealth ( $g=2\%$ ,  $\rho=80\%$ )**

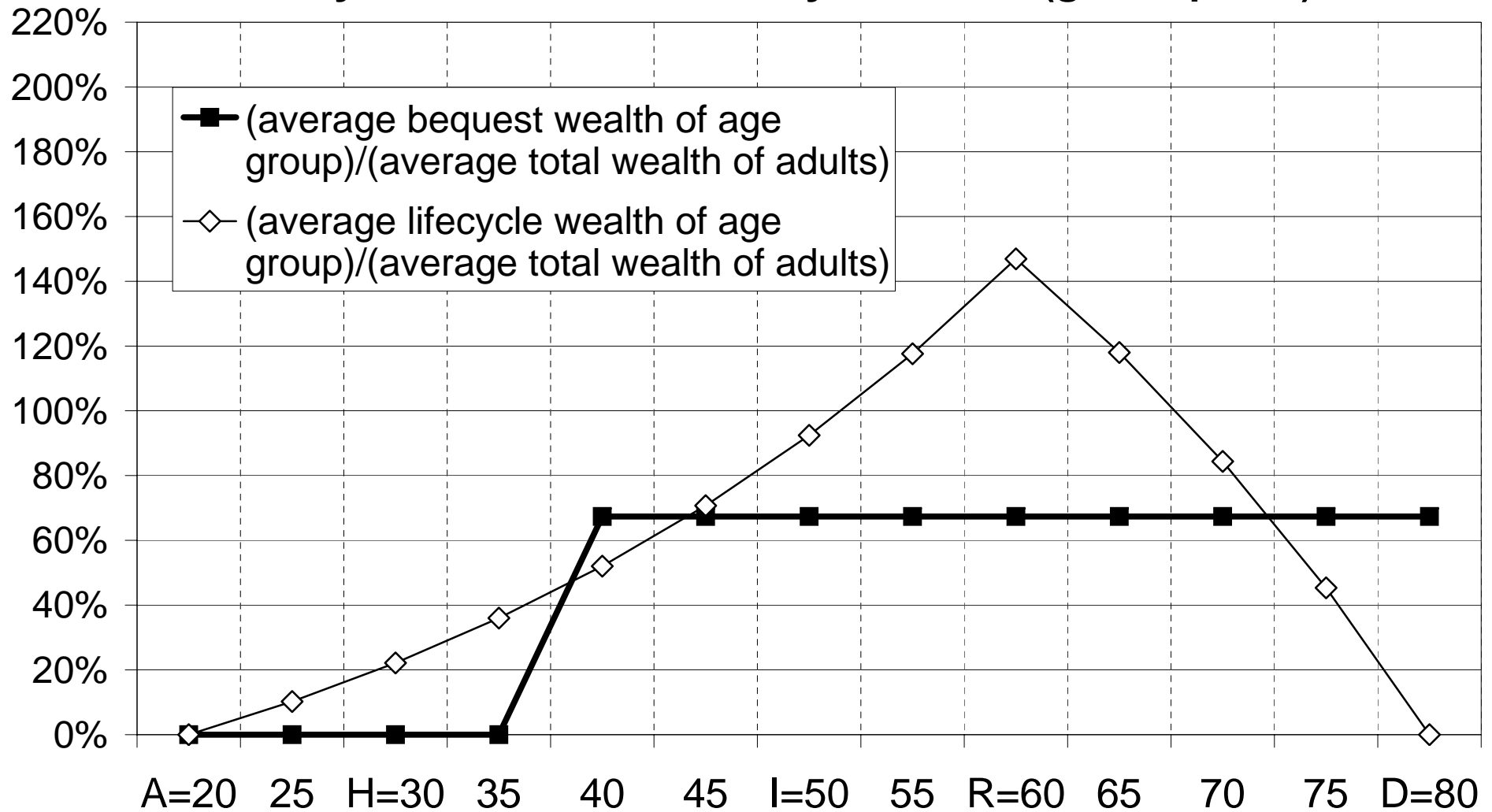


**Figure E6: Steady-state cross-sectional age-wealth profile in the dynastic model with lifecycle wealth ( $g=2\%$ ,  $\rho=50\%$ )**

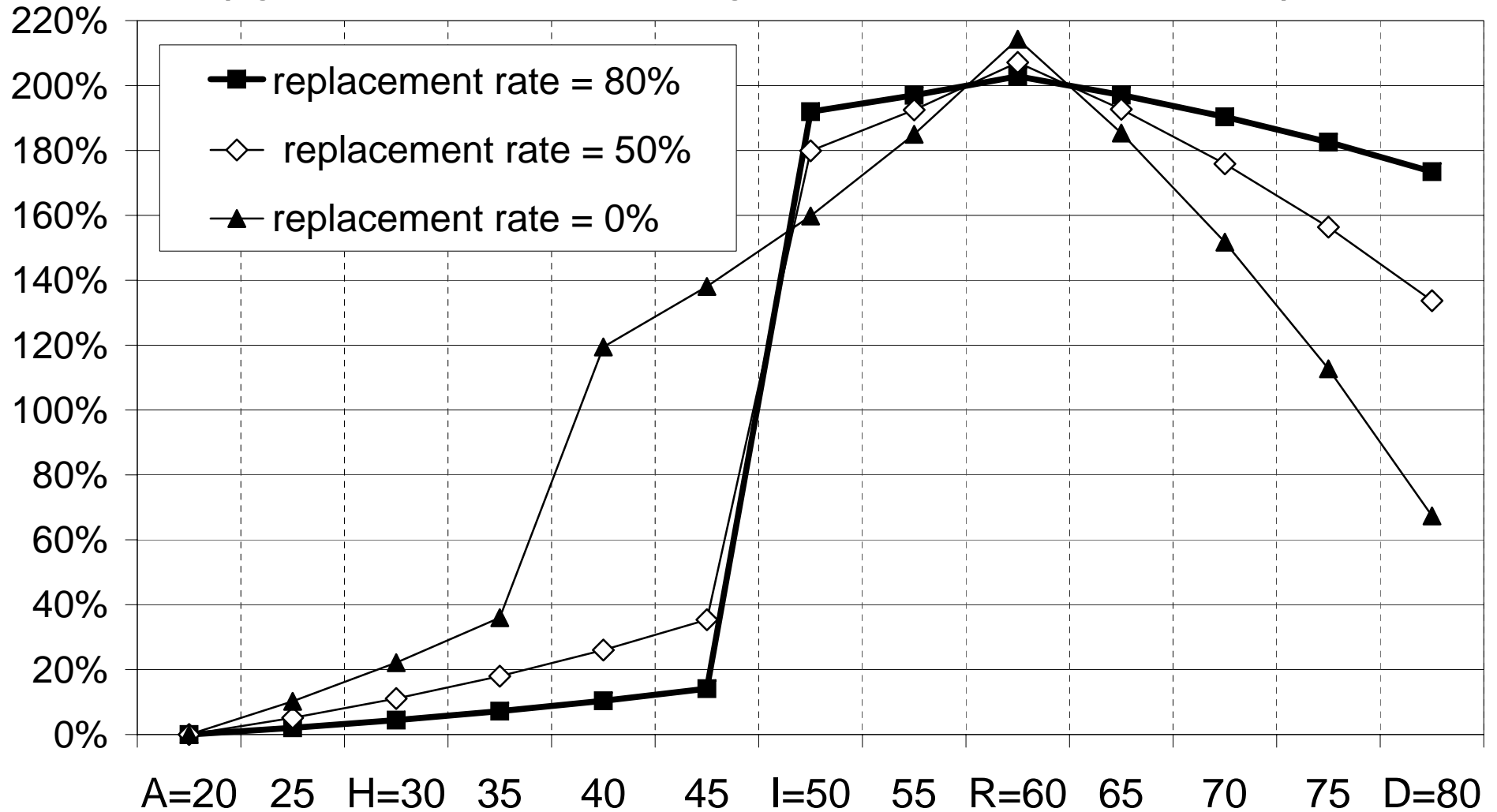




**Figure E7: Steady-state cross-sectional age-wealth profile in the dynastic model with lifecycle wealth ( $g=2\%$ ,  $\rho=0\%$ )**



**Figure E8: Steady-state cross-sectional age-wealth profile  
(dynastic model with lifecycle wealth,  $\rho=80\%,50\%,0\%$ )**







**Table A2: National income and private wealth in France, 1820-2009 (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
	(current billions euros 1949-2009; current billions old francs 1820-1948)		(2009 billions euros) (CPI)		(current euros 1949-2009; current old francs 1820-1948)				(2009 euros)				Ratio (private wealth)/(national income) $\beta_t = W_t/Y_t$	<i>memo: Ratio (dispos. income)/(national income) <math>Y_{dt}/Y_t</math></i>	<i>memo: Per adult dispos. income <math>Y_{dt}</math> (2009 €)</i>	<i>memo: Ratio (private wealth)/(dispos. income) <math>W_t/Y_{dt}</math></i>
	National income $Y_t$	Private wealth $W_t$	National income $Y_t$	Private wealth $W_t$	Per capita national income	Per capita private wealth	Per adult national income $y_t$	Per adult private wealth $w_t$	Per capita national income	Per capita private wealth	Per adult national income $y_t$	Per adult private wealth $w_t$				
1820	11.3	62.0	56.2	308.2	362	1 984	<b>602</b>	<b>3 302</b>	1 797	9 861	<b>2 991</b>	<b>16 413</b>	<b>549%</b>	95%	2 842	<b>578%</b>
1830	13.5	80.0	61.9	365.7	409	2 416	<b>674</b>	<b>3 986</b>	1 868	11 045	<b>3 083</b>	<b>18 224</b>	<b>591%</b>	95%	2 928	<b>622%</b>
1840	16.5	95.0	73.7	425.4	475	2 739	<b>772</b>	<b>4 458</b>	2 125	12 265	<b>3 459</b>	<b>19 963</b>	<b>577%</b>	95%	3 286	<b>607%</b>
1850	21.9	130.0	88.4	523.6	608	3 605	<b>966</b>	<b>5 728</b>	2 451	14 523	<b>3 893</b>	<b>23 071</b>	<b>593%</b>	95%	3 698	<b>624%</b>
1860	26.1	165.0	97.0	613.8	694	4 388	<b>1 092</b>	<b>6 904</b>	2 581	16 325	<b>4 061</b>	<b>25 684</b>	<b>633%</b>	95%	3 858	<b>666%</b>
1870	28.7	185.0	96.9	623.9	778	5 011	<b>1 225</b>	<b>7 885</b>	2 625	16 898	<b>4 131</b>	<b>26 592</b>	<b>644%</b>	95%	3 924	<b>678%</b>
1880	27.8	195.0	96.1	674.9	736	5 170	<b>1 145</b>	<b>8 046</b>	2 547	17 893	<b>3 964</b>	<b>27 846</b>	<b>702%</b>	95%	3 766	<b>739%</b>
1890	30.4	205.0	110.3	743.8	793	5 345	<b>1 212</b>	<b>8 167</b>	2 877	19 391	<b>4 396</b>	<b>29 632</b>	<b>674%</b>	95%	4 176	<b>710%</b>
1900	33.9	228.6	133.3	899.8	874	5 901	<b>1 325</b>	<b>8 939</b>	3 441	23 226	<b>5 213</b>	<b>35 184</b>	<b>675%</b>	95%	4 932	<b>713%</b>
1910	42.7	279.4	138.0	903.0	1 088	7 123	<b>1 637</b>	<b>10 713</b>	3 518	23 024	<b>5 291</b>	<b>34 626</b>	<b>654%</b>	95%	5 005	<b>692%</b>
1920	238.9	762.8	170.5	537.5	5 987	19 105	<b>8 642</b>	<b>27 573</b>	4 292	13 520	<b>6 203</b>	<b>19 535</b>	<b>316%</b>	96%	5 930	<b>331%</b>
1930	315.0	1 241.0	175.7	693.4	7 696	30 312	<b>11 035</b>	<b>43 459</b>	4 286	16 912	<b>6 140</b>	<b>24 222</b>	<b>395%</b>	93%	5 727	<b>424%</b>
1940	1 548.1	4 483.5	147.6	493.9	38 854	113 495	<b>55 532</b>	<b>162 600</b>	3 770	12 762	<b>5 430</b>	<b>18 443</b>	<b>360%</b>	85%	4 599	<b>418%</b>
1950	25.3	55.1	312.3	674.7	583	1 267	<b>846</b>	<b>1 838</b>	7 208	15 553	<b>10 444</b>	<b>22 544</b>	<b>215%</b>	76%	7 963	<b>282%</b>
1960	68.1	182.7	537.9	1 437.0	1 407	3 772	<b>2 118</b>	<b>5 680</b>	11 155	29 754	<b>16 784</b>	<b>44 777</b>	<b>265%</b>	74%	12 369	<b>359%</b>
1970	211.6	608.4	884.2	2 532.9	4 026	11 575	<b>5 910</b>	<b>16 990</b>	16 900	48 404	<b>24 878</b>	<b>71 246</b>	<b>286%</b>	72%	17 910	<b>397%</b>
1980	626.7	1 890.7	1 080.4	3 254.4	11 355	34 254	<b>16 029</b>	<b>48 347</b>	19 624	59 101	<b>27 754</b>	<b>83 575</b>	<b>301%</b>	70%	19 449	<b>430%</b>
1990	1 046.4	3 429.8	1 318.1	4 320.8	18 150	59 490	<b>24 674</b>	<b>80 878</b>	22 874	74 984	<b>31 111</b>	<b>101 991</b>	<b>328%</b>	70%	21 909	<b>465%</b>
2000	1 490.4	6 905.4	1 600.5	7 352.4	24 567	113 503	<b>32 735</b>	<b>151 130</b>	26 406	120 957	<b>35 193</b>	<b>161 091</b>	<b>456%</b>	69%	24 397	<b>658%</b>
2008	1 689.0	9 504.7	1 695.8	9 542.7	27 305	153 655	<b>36 197</b>	<b>203 696</b>	27 414	154 270	<b>36 342</b>	<b>204 511</b>	<b>563%</b>	70%	25 281	<b>809%</b>



1967	277%	1.6%	142%	6.2%	2.2%	44.5	225.5	5.1		2 501	9 829	3.9				
1968	287%	1.6%	143%	6.5%	2.3%	43.9	254.5	5.8		2 692	11 020	4.1				
1969	286%	1.6%	143%	6.7%	2.3%	42.6	291.8	6.9		3 057	12 541	4.1				
1970	289%	1.5%	144%	6.4%	2.2%	45.5	329.8	7.2		3 375	14 030	4.2				
1971	283%	1.5%	144%	6.3%	2.2%	45.0	358.7	8.0		3 704	15 092	4.1				
1972	281%	1.5%	144%	6.1%	2.2%	45.7	397.1	8.7		4 087	16 553	4.1				
1973	280%	1.5%	145%	6.2%	2.2%	45.2	456.0	10.1		4 651	18 866	4.1				
1974	274%	1.5%	145%	6.0%	2.2%	45.9	516.4	11.3		5 324	21 207	4.0				
1975	289%	1.5%	146%	6.4%	2.2%	45.4	607.1	13.4		5 880	24 761	4.2				
1976	289%	1.5%	146%	6.3%	2.2%	45.8	699.2	15.3		6 730	28 311	4.2				
1977	293%	1.4%	146%	6.1%	2.1%	48.1	796.6	16.5	131%	7 494	31 918	4.3	4.6%	1.6%	63.0	3.3
1978	292%	1.4%	146%	6.1%	2.1%	47.5	896.3	18.9		8 379	35 579	4.2				
1979	293%	1.4%	145%	6.0%	2.1%	48.5	1 026.6	21.2		9 481	40 293	4.3				
1980	298%	1.4%	145%	6.1%	2.1%	48.6	1 175.9	24.2		10 576	45 651	4.3				
1981	301%	1.4%	145%	6.2%	2.1%	48.3	1 334.7	27.7		11 772	51 359	4.4				
1982	294%	1.4%	145%	5.9%	2.0%	49.8	1 483.0	29.8		13 287	56 456	4.2				
1983	298%	1.4%	145%	6.1%	2.1%	48.7	1 652.1	33.9		14 477	62 288	4.3				
1984	302%	1.4%	144%	6.0%	2.0%	50.6	1 820.8	36.0	105%	15 587	67 966	4.4	5.7%	1.9%	53.3	4.1
1985	300%	1.4%	153%	6.3%	2.1%	47.3	1 951.1	41.2		16 630	76 469	4.6				
1986	295%	1.4%	162%	6.5%	2.2%	45.6	2 079.8	45.6		17 883	85 391	4.8				
1987	311%	1.3%	170%	6.9%	2.2%	45.3	2 310.7	51.0	122%	18 667	99 044	5.3	5.6%	1.8%	55.2	4.3
1988	300%	1.3%	173%	6.6%	2.2%	45.3	2 408.5	53.1		20 018	103 644	5.2				
1989	311%	1.3%	175%	6.9%	2.2%	44.7	2 690.8	60.1		21 397	116 224	5.4				
1990	330%	1.3%	177%	7.4%	2.2%	44.8	3 005.0	67.0		22 305	130 156	5.8				
1991	329%	1.2%	179%	7.3%	2.2%	44.9	3 101.2	69.1		22 828	134 578	5.9				
1992	327%	1.2%	181%	7.3%	2.2%	45.0	3 181.8	70.8		23 384	138 383	5.9				
1993	331%	1.2%	183%	7.5%	2.3%	43.9	3 240.1	73.9		23 316	141 322	6.1				
1994	330%	1.2%	185%	7.4%	2.2%	44.8	3 348.9	74.8	109%	23 932	146 265	6.1	6.7%	2.0%	49.0	5.6
1995	324%	1.2%	191%	7.6%	2.3%	42.7	3 398.4	79.6		24 617	152 065	6.2				
1996	322%	1.2%	197%	7.8%	2.4%	41.2	3 482.2	84.4		25 214	159 903	6.3				
1997	329%	1.2%	203%	8.1%	2.5%	40.6	3 680.1	90.5		26 004	173 263	6.7				
1998	327%	1.2%	208%	8.3%	2.5%	39.4	3 832.9	97.2		27 080	184 630	6.8				
1999	330%	1.2%	214%	8.6%	2.6%	38.3	4 027.2	105.1		28 064	198 194	7.1				
2000	355%	1.2%	220%	9.4%	2.6%	37.7	4 554.7	120.7	105%	29 261	228 776	7.8	9.0%	2.5%	39.6	7.5
2001	368%	1.2%	220%	9.6%	2.6%	38.4	4 878.5	127.2		29 990	242 896	8.1				
2002	379%	1.2%	221%	9.9%	2.6%	38.3	5 126.1	133.9		30 349	253 463	8.4				
2003	398%	1.2%	222%	10.7%	2.7%	37.2	5 555.7	149.3		31 025	273 516	8.8				
2004	426%	1.1%	221%	10.5%	2.5%	40.7	6 193.0	152.1		32 047	302 166	9.4				
2005	471%	1.1%	222%	12.0%	2.5%	39.4	7 098.9	180.3		32 984	345 554	10.5				
2006	510%	1.1%	223%	12.6%	2.5%	40.4	8 049.8	199.1	115%	34 336	390 031	11.4	11.0%	2.2%	46.5	9.9
2007	538%	1.1%	222%	13.3%	2.5%	40.4	8 923.8	220.7		35 774	428 271	12.0				
2008	563%	1.2%	223%	14.5%	2.6%	38.7	9 504.7	245.3		36 197	453 344	12.5				

**Table A4: Computation of the economic inheritance flow in France, 1820-2008 (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
	Private wealth-National income Ratio	Mortality Rate	Gift-corrected $\mu_t$ ratio	Economic inheritance flow - national income & private wealth ratios $b_{yt}$ & $b_{wt}$		<i>memo: Estate multiplier</i> $e_t$	(current billions euros 1949-2009; current billions old francs 1820-1948)			(current euros 1949-2009; current old francs 1820-1948)			<i>memo: Fiscal inheritance flow computations (Appendix B)</i>			
	$\beta_t = W_t/Y_t$	$m_t$	$\mu_t^*$	$b_{yt} = B_t/Y_t = \mu_t^* m_t \beta_t$	$b_{wt} = B_t/W_t = \mu_t^* m_t$	$e_t = W_t/B_t = 1/\mu_t^* m_t$	Private wealth $W_t$	Economic inheritance flow $B_t$	$B_t/B_t^f$	Per adult national income $y_t$	Per decedent bequest $b_t = \mu_t^* \beta_t y_t$	Ratio $b_t/y_t = \mu_t^* \beta_t$	Ratio fiscal flow - national income $B_t^f/Y_t$	Ratio fiscal flow - private wealth $B_t^f/W_t$	Fiscal estate multiplier $W_t/B_t^f$	Fiscal ratio $b_t^f/y_t$
1820	549%	2.2%	166%	<b>20.3%</b>	<b>3.7%</b>	27.0	62.0	2.3	108%	602	5 497	<b>9.1</b>	18.9%	3.4%	29.1	8.5
1830	591%	2.2%	159%	<b>20.8%</b>	<b>3.5%</b>	28.4	80.0	2.8	115%	674	6 353	<b>9.4</b>	18.1%	3.1%	32.6	8.2
1840	577%	2.2%	165%	<b>21.1%</b>	<b>3.6%</b>	27.4	95.0	3.5	114%	772	7 348	<b>9.5</b>	18.4%	3.2%	31.3	8.3
1850	593%	2.1%	161%	<b>20.0%</b>	<b>3.4%</b>	29.6	130.0	4.4	125%	966	9 200	<b>9.5</b>	16.0%	2.7%	37.1	7.6
1860	633%	2.2%	148%	<b>20.2%</b>	<b>3.2%</b>	31.3	165.0	5.3	118%	1 092	10 234	<b>9.4</b>	17.2%	2.7%	36.8	8.0
1870	644%	2.2%	159%	<b>22.3%</b>	<b>3.5%</b>	28.9	185.0	6.4	113%	1 225	12 548	<b>10.2</b>	19.8%	3.1%	32.6	9.1
1880	702%	2.2%	159%	<b>24.4%</b>	<b>3.5%</b>	28.7	195.0	6.8	105%	1 145	12 785	<b>11.2</b>	23.3%	3.3%	30.2	10.6
1890	674%	2.2%	161%	<b>23.9%</b>	<b>3.5%</b>	28.3	205.0	7.3	103%	1 212	13 139	<b>10.8</b>	23.1%	3.4%	29.2	10.5
1900	675%	2.2%	159%	<b>24.1%</b>	<b>3.6%</b>	28.0	228.6	8.2	103%	1 325	14 252	<b>10.8</b>	23.3%	3.5%	28.9	10.4
1910	654%	2.1%	162%	<b>22.7%</b>	<b>3.5%</b>	28.9	279.4	9.7	111%	1 637	17 406	<b>10.6</b>	20.3%	3.1%	32.2	9.5
1920	316%	2.1%	151%	<b>9.8%</b>	<b>3.1%</b>	32.2	762.8	23.6	143%	8 642	41 470	<b>4.8</b>	7.0%	2.2%	46.0	3.4
1930	395%	2.0%	142%	<b>11.0%</b>	<b>2.8%</b>	35.8	1 241.0	34.6	138%	11 035	61 487	<b>5.6</b>	8.1%	2.1%	49.4	4.1
1940	360%	1.7%	122%	<b>9.8%</b>	<b>2.6%</b>	40.3	6 195.2	136.7	159%	83 053	268 833	<b>4.4</b>	6.7%	1.8%	64.1	3.0
1950	215%	1.6%	124%	<b>4.3%</b>	<b>2.0%</b>	49.6	55.1	1.1	150%	846	2 293	<b>2.7</b>	2.9%	1.4%	74.2	1.8
1960	265%	1.6%	138%	<b>5.9%</b>	<b>2.2%</b>	45.5	182.7	4.1	156%	2 118	7 935	<b>3.7</b>	3.5%	1.4%	73.4	2.2
1970	286%	1.5%	145%	<b>6.2%</b>	<b>2.2%</b>	46.3	608.4	13.0	131%	5 910	24 661	<b>4.1</b>	4.6%	1.6%	63.0	3.3
1980	301%	1.4%	156%	<b>6.4%</b>	<b>2.1%</b>	47.4	1 890.7	40.3	114%	16 029	76 449	<b>4.7</b>	5.7%	1.8%	54.3	4.2
1990	328%	1.2%	192%	<b>7.7%</b>	<b>2.4%</b>	42.6	3 429.8	81.2	109%	24 674	155 876	<b>6.3</b>	6.7%	2.0%	49.0	5.6
2000	445%	1.2%	221%	<b>11.4%</b>	<b>2.6%</b>	39.0	6 653.9	169.8	110%	32 441	324 224	<b>9.9</b>	10.0%	2.3%	43.0	8.7
2008	563%	1.2%	223%	<b>14.5%</b>	<b>2.6%</b>	38.7	9 504.7	245.3	115%	36 197	453 344	<b>12.5</b>	12.6%	2.5%	40.3	10.9





1970	<b>114.0</b>	113.1	0.9	<b>1%</b>	1%	1%	1%	0%	-1%	124.5	11.4	<b>9%</b>	<b>92%</b>
1971	<b>126.8</b>	125.9	0.9	<b>1%</b>	1%	1%	1%	0%	-1%	138.8	12.9	<b>9%</b>	<b>91%</b>
1972	<b>141.5</b>	140.7	0.9	<b>1%</b>	0%	1%	1%	0%	-1%	155.2	14.5	<b>9%</b>	<b>91%</b>
1973	<b>162.8</b>	161.8	1.1	<b>1%</b>	0%	1%	1%	0%	-2%	178.2	16.5	<b>9%</b>	<b>91%</b>
1974	<b>188.4</b>	186.7	1.6	<b>1%</b>	1%	2%	1%	0%	-1%	207.4	20.6	<b>10%</b>	<b>91%</b>
1975	<b>210.0</b>	208.7	1.3	<b>1%</b>	0%	1%	1%	0%	-1%	233.4	24.7	<b>11%</b>	<b>90%</b>
1976	<b>242.2</b>	240.5	1.7	<b>1%</b>	0%	1%	1%	0%	-1%	270.0	29.5	<b>11%</b>	<b>90%</b>
1977	<b>272.1</b>	270.3	1.8	<b>1%</b>	0%	1%	1%	0%	-1%	304.2	33.9	<b>11%</b>	<b>89%</b>
1978	<b>307.2</b>	306.2	0.9	<b>0%</b>	0%	1%	1%	0%	-1%	345.2	39.0	<b>11%</b>	<b>89%</b>
1979	<b>350.5</b>	348.6	1.8	<b>1%</b>	0%	2%	2%	0%	-2%	393.6	44.9	<b>11%</b>	<b>89%</b>
1980	<b>394.6</b>	391.7	2.9	<b>1%</b>	1%	3%	2%	0%	-1%	445.2	53.6	<b>12%</b>	<b>89%</b>
1981	<b>443.2</b>	438.5	4.7	<b>1%</b>	1%	5%	4%	0%	-1%	500.8	62.3	<b>12%</b>	<b>89%</b>
1982	<b>505.0</b>	501.7	3.3	<b>1%</b>	0%	5%	4%	0%	-1%	574.4	72.7	<b>13%</b>	<b>88%</b>
1983	<b>555.1</b>	555.8	-0.6	<b>0%</b>	0%	3%	4%	0%	-1%	636.6	80.8	<b>13%</b>	<b>87%</b>
1984	<b>603.1</b>	605.5	-2.4	<b>0%</b>	-1%	3%	4%	0%	-1%	693.1	87.6	<b>13%</b>	<b>87%</b>
1985	<b>649.6</b>	650.3	-0.6	<b>0%</b>	0%	4%	4%	0%	-1%	743.9	93.6	<b>13%</b>	<b>87%</b>
1986	<b>704.8</b>	702.5	2.3	<b>0%</b>	0%	3%	3%	0%	-1%	802.4	99.8	<b>12%</b>	<b>88%</b>
1987	<b>742.2</b>	739.3	3.0	<b>0%</b>	0%	3%	3%	0%	-1%	845.2	105.9	<b>13%</b>	<b>88%</b>
1988	<b>803.0</b>	798.6	4.3	<b>1%</b>	0%	3%	3%	1%	-1%	911.2	112.6	<b>12%</b>	<b>88%</b>
1989	<b>866.1</b>	860.7	5.4	<b>1%</b>	0%	3%	3%	0%	-1%	980.5	119.9	<b>12%</b>	<b>88%</b>
1990	<b>911.3</b>	905.7	5.6	<b>1%</b>	0%	3%	3%	0%	-1%	1033.0	127.3	<b>12%</b>	<b>88%</b>
1991	<b>941.3</b>	934.1	7.2	<b>1%</b>	0%	4%	3%	1%	-1%	1070.0	135.9	<b>13%</b>	<b>88%</b>
1992	<b>973.6</b>	968.4	5.2	<b>1%</b>	0%	4%	4%	0%	-1%	1107.8	139.4	<b>13%</b>	<b>88%</b>
1993	<b>980.2</b>	972.8	7.4	<b>1%</b>	0%	4%	4%	1%	-1%	1114.7	141.9	<b>13%</b>	<b>88%</b>
1994	<b>1 014.4</b>	1 009.2	5.2	<b>1%</b>	0%	3%	3%	1%	-1%	1154.7	145.6	<b>13%</b>	<b>88%</b>
1995	<b>1 050.4</b>	1 047.5	2.9	<b>0%</b>	0%	3%	4%	1%	-1%	1194.6	147.1	<b>12%</b>	<b>88%</b>
1996	<b>1 081.1</b>	1 075.6	5.5	<b>1%</b>	0%	4%	4%	1%	-1%	1227.3	151.7	<b>12%</b>	<b>88%</b>
1997	<b>1 119.7</b>	1 112.1	7.6	<b>1%</b>	0%	4%	4%	1%	-1%	1267.4	155.3	<b>12%</b>	<b>88%</b>
1998	<b>1 171.8</b>	1 163.5	8.3	<b>1%</b>	0%	5%	5%	0%	-1%	1323.7	160.1	<b>12%</b>	<b>89%</b>
1999	<b>1 220.2</b>	1 201.3	18.9	<b>2%</b>	1%	5%	4%	1%	-1%	1368.0	166.7	<b>12%</b>	<b>89%</b>
2000	<b>1 281.8</b>	1 263.0	18.8	<b>1%</b>	1%	6%	5%	1%	-1%	1441.4	178.4	<b>12%</b>	<b>89%</b>
2001	<b>1 325.4</b>	1 308.4	17.1	<b>1%</b>	1%	6%	5%	1%	-1%	1497.2	188.8	<b>13%</b>	<b>89%</b>
2002	<b>1 353.6</b>	1 351.7	1.9	<b>0%</b>	0%	4%	5%	1%	-1%	1548.6	196.9	<b>13%</b>	<b>87%</b>
2003	<b>1 396.1</b>	1 390.6	5.4	<b>0%</b>	0%	5%	5%	1%	-1%	1594.8	204.2	<b>13%</b>	<b>88%</b>
2004	<b>1 452.9</b>	1 445.6	7.4	<b>1%</b>	0%	6%	6%	1%	-1%	1660.2	214.6	<b>13%</b>	<b>88%</b>
2005	<b>1 506.5</b>	1 500.4	6.1	<b>0%</b>	0%	7%	7%	1%	-1%	1726.1	225.6	<b>13%</b>	<b>87%</b>
2006	<b>1 579.2</b>	1 566.4	12.8	<b>1%</b>	0%	9%	9%	1%	-1%	1806.4	240.0	<b>13%</b>	<b>87%</b>
2007	<b>1 657.6</b>	1 641.8	15.7	<b>1%</b>	0%	10%	10%	0%	-1%	1894.6	252.8	<b>13%</b>	<b>87%</b>
2008	<b>1 689.0</b>	1 680.1	8.9	<b>1%</b>	0%	10%	10%	1%	-1%	1950.1	270.0	<b>14%</b>	<b>87%</b>



1964	4%	24%	44%	12%	1%	16%	4%	28%	52%	14%	1%	19%
1965	4%	23%	45%	11%	1%	16%	5%	28%	53%	14%	1%	19%
1966	4%	23%	45%	11%	1%	16%	5%	28%	53%	13%	1%	19%
1967	4%	23%	45%	11%	1%	16%	5%	28%	53%	13%	1%	18%
1968	4%	23%	45%	12%	1%	14%	5%	27%	53%	14%	1%	17%
1969	4%	21%	47%	12%	1%	15%	5%	25%	55%	14%	1%	17%
1970	4%	21%	48%	12%	1%	14%	5%	24%	56%	14%	1%	16%
1971	4%	20%	49%	12%	1%	14%	5%	23%	57%	14%	1%	16%
1972	4%	20%	49%	12%	1%	14%	5%	23%	57%	14%	1%	16%
1973	4%	19%	50%	12%	1%	14%	5%	22%	58%	14%	1%	16%
1974	4%	18%	51%	13%	1%	13%	5%	20%	59%	15%	1%	15%
1975	4%	17%	51%	14%	1%	14%	5%	20%	59%	16%	1%	16%
1976	4%	16%	51%	14%	1%	14%	5%	19%	59%	17%	1%	17%
1977	4%	16%	51%	15%	1%	13%	5%	18%	59%	17%	1%	15%
1978	4%	16%	50%	15%	0%	14%	5%	19%	58%	18%	0%	17%
1979	4%	16%	49%	15%	1%	15%	5%	18%	58%	18%	1%	18%
1980	4%	15%	50%	15%	1%	15%	5%	18%	58%	18%	1%	17%
1981	5%	15%	49%	16%	1%	14%	5%	17%	58%	18%	1%	17%
1982	5%	15%	49%	16%	1%	15%	5%	17%	58%	19%	1%	17%
1983	5%	15%	50%	16%	0%	15%	6%	17%	58%	19%	0%	17%
1984	5%	14%	50%	17%	0%	15%	6%	16%	59%	19%	0%	17%
1985	5%	14%	50%	16%	0%	15%	6%	16%	59%	19%	0%	17%
1986	5%	13%	51%	16%	0%	14%	6%	15%	60%	19%	0%	17%
1987	5%	12%	52%	16%	0%	15%	6%	14%	60%	18%	0%	17%
1988	6%	12%	52%	15%	1%	15%	6%	14%	61%	18%	1%	17%
1989	6%	12%	52%	15%	1%	15%	7%	14%	61%	17%	1%	17%
1990	6%	12%	52%	15%	1%	15%	7%	14%	61%	17%	1%	17%
1991	6%	12%	52%	15%	1%	15%	7%	14%	61%	18%	1%	17%
1992	6%	11%	52%	15%	1%	14%	8%	13%	61%	18%	1%	17%
1993	7%	11%	51%	16%	1%	15%	8%	13%	60%	19%	1%	17%
1994	7%	11%	50%	16%	1%	15%	8%	13%	59%	19%	1%	18%
1995	7%	10%	50%	16%	0%	16%	8%	12%	60%	19%	0%	18%
1996	7%	10%	49%	17%	1%	16%	8%	12%	59%	20%	1%	19%
1997	7%	10%	50%	16%	1%	16%	8%	12%	59%	20%	1%	20%
1998	7%	10%	50%	16%	1%	16%	8%	12%	60%	19%	1%	19%
1999	7%	10%	50%	16%	2%	16%	8%	12%	59%	19%	2%	19%
2000	7%	10%	50%	16%	1%	15%	8%	11%	59%	19%	2%	18%
2001	7%	10%	50%	16%	1%	15%	8%	12%	59%	19%	2%	18%
2002	7%	10%	51%	17%	0%	15%	9%	12%	60%	20%	0%	18%
2003	7%	10%	51%	17%	0%	15%	9%	11%	60%	19%	0%	18%
2004	7%	9%	51%	16%	1%	15%	9%	11%	60%	19%	1%	18%
2005	8%	9%	51%	16%	0%	16%	9%	11%	60%	19%	0%	19%
2006	8%	9%	51%	16%	1%	16%	9%	11%	60%	19%	1%	18%
2007	8%	9%	51%	16%	1%	15%	9%	11%	60%	19%	1%	18%
2008	8%	9%	51%	16%	1%	15%	9%	11%	60%	19%	1%	18%



1969	76%	24%	4%	8%	8%	3%	69%	31%	36%	11%	2%	4%	4%	2%
1970	77%	23%	5%	9%	6%	3%	68%	32%	37%	11%	2%	4%	3%	2%
1971	76%	24%	5%	10%	6%	3%	68%	32%	37%	12%	2%	5%	3%	2%
1972	77%	23%	5%	10%	5%	3%	69%	31%	38%	11%	2%	5%	3%	2%
1973	76%	24%	5%	10%	7%	3%	68%	32%	38%	12%	2%	5%	3%	2%
1974	77%	23%	6%	11%	2%	3%	68%	32%	40%	12%	3%	6%	1%	2%
1975	82%	18%	4%	11%	0%	3%	72%	28%	42%	9%	2%	5%	0%	2%
1976	83%	17%	5%	10%	-1%	3%	72%	28%	42%	9%	3%	5%	0%	2%
1977	83%	17%	5%	9%	1%	3%	72%	28%	42%	9%	2%	5%	0%	1%
1978	84%	16%	4%	9%	-1%	3%	73%	27%	42%	8%	2%	4%	0%	2%
1979	85%	15%	4%	9%	-1%	3%	74%	26%	42%	7%	2%	4%	-1%	2%
1980	86%	14%	5%	8%	-3%	3%	74%	26%	43%	7%	2%	4%	-1%	2%
1981	88%	12%	5%	10%	-5%	3%	75%	25%	43%	6%	2%	5%	-3%	2%
1982	88%	12%	5%	10%	-7%	3%	75%	25%	43%	6%	3%	5%	-3%	2%
1983	87%	13%	5%	11%	-6%	3%	74%	26%	43%	6%	2%	5%	-3%	2%
1984	85%	15%	4%	11%	-3%	3%	72%	28%	42%	8%	2%	5%	-2%	2%
1985	83%	17%	4%	11%	-1%	3%	71%	29%	42%	8%	2%	5%	-1%	1%
1986	78%	22%	5%	10%	5%	3%	67%	33%	40%	11%	2%	5%	2%	1%
1987	78%	22%	5%	10%	5%	3%	67%	33%	40%	11%	3%	5%	3%	1%
1988	76%	24%	5%	9%	8%	3%	65%	35%	40%	13%	3%	5%	4%	1%
1989	75%	25%	5%	10%	7%	3%	65%	35%	39%	13%	3%	5%	4%	1%
1990	77%	23%	5%	10%	6%	2%	66%	34%	40%	12%	3%	5%	3%	1%
1991	78%	22%	4%	11%	4%	3%	67%	33%	40%	12%	2%	6%	2%	1%
1992	78%	22%	3%	11%	5%	3%	67%	33%	40%	11%	2%	6%	3%	1%
1993	79%	21%	4%	11%	4%	3%	68%	32%	40%	11%	2%	6%	2%	1%
1994	79%	21%	4%	10%	5%	2%	67%	33%	40%	11%	2%	5%	3%	1%
1995	78%	22%	4%	11%	4%	2%	67%	33%	39%	11%	2%	6%	2%	1%
1996	79%	21%	5%	10%	3%	3%	68%	32%	39%	10%	2%	5%	2%	1%
1997	78%	22%	5%	9%	5%	2%	67%	33%	39%	11%	2%	5%	2%	1%
1998	77%	23%	5%	9%	6%	3%	66%	34%	39%	11%	3%	5%	3%	1%
1999	78%	22%	6%	7%	6%	3%	67%	33%	39%	11%	3%	4%	3%	1%
2000	78%	22%	6%	8%	4%	3%	67%	33%	39%	11%	3%	4%	2%	2%
2001	79%	21%	7%	9%	2%	3%	67%	33%	40%	10%	3%	4%	1%	2%
2002	80%	20%	5%	11%	1%	3%	68%	32%	41%	10%	3%	5%	0%	2%
2003	79%	21%	5%	10%	3%	3%	67%	33%	41%	11%	2%	5%	2%	2%
2004	80%	20%	5%	10%	1%	3%	67%	33%	41%	10%	3%	5%	1%	2%
2005	80%	20%	5%	10%	1%	4%	68%	32%	41%	10%	3%	5%	0%	2%
2006	80%	20%	6%	10%	0%	4%	68%	32%	41%	10%	3%	5%	0%	2%
2007	80%	20%	6%	10%	1%	4%	67%	33%	41%	10%	3%	5%	0%	2%
2008	80%	20%	6%	11%	-1%	4%	67%	33%	41%	10%	3%	5%	0%	2%



1965	19%	10%	4%	5%	1%	0%	1%	65%	35%	11%	18%	0%	22%	77%	23%	77%
1966	19%	10%	4%	5%	1%	0%	1%	65%	35%	11%	18%	0%	23%	77%	23%	77%
1967	20%	10%	4%	5%	1%	0%	1%	65%	35%	11%	18%	0%	23%	77%	23%	77%
1968	20%	10%	4%	5%	1%	0%	1%	66%	36%	12%	18%	0%	23%	77%	23%	77%
1969	21%	11%	4%	5%	1%	0%	1%	64%	36%	12%	16%	0%	25%	75%	25%	75%
1970	21%	11%	4%	5%	1%	-1%	1%	65%	37%	12%	16%	0%	24%	75%	25%	75%
1971	21%	12%	4%	5%	1%	-1%	1%	65%	37%	12%	15%	0%	24%	75%	25%	75%
1972	20%	11%	4%	5%	0%	-1%	1%	66%	38%	12%	15%	0%	23%	76%	24%	76%
1973	21%	12%	4%	5%	0%	-1%	2%	65%	38%	12%	14%	0%	24%	75%	25%	75%
1974	20%	12%	4%	4%	1%	-1%	3%	66%	40%	13%	14%	0%	23%	76%	24%	76%
1975	16%	9%	4%	3%	0%	0%	2%	70%	42%	14%	14%	0%	19%	81%	19%	81%
1976	16%	9%	4%	3%	0%	0%	2%	70%	42%	14%	13%	0%	18%	81%	19%	81%
1977	16%	9%	4%	3%	0%	0%	2%	70%	42%	15%	13%	0%	19%	81%	19%	81%
1978	15%	8%	4%	3%	0%	0%	2%	71%	42%	15%	14%	0%	17%	83%	17%	83%
1979	15%	7%	4%	2%	0%	0%	2%	70%	42%	15%	13%	0%	17%	83%	17%	83%
1980	14%	7%	4%	2%	1%	0%	3%	72%	43%	15%	13%	0%	16%	84%	16%	84%
1981	14%	6%	5%	2%	1%	1%	3%	72%	43%	16%	13%	0%	16%	84%	16%	84%
1982	13%	6%	5%	2%	0%	1%	3%	73%	43%	16%	13%	0%	15%	85%	15%	85%
1983	14%	6%	5%	2%	0%	1%	3%	73%	43%	16%	13%	0%	16%	85%	15%	85%
1984	15%	8%	5%	2%	-1%	1%	3%	71%	42%	17%	12%	0%	18%	83%	17%	83%
1985	17%	8%	5%	2%	0%	1%	3%	70%	42%	16%	11%	0%	20%	82%	18%	82%
1986	20%	11%	5%	3%	0%	1%	3%	67%	40%	16%	10%	0%	23%	78%	22%	78%
1987	21%	11%	5%	3%	0%	1%	3%	66%	40%	16%	10%	0%	24%	77%	23%	77%
1988	22%	13%	6%	3%	0%	1%	3%	64%	40%	15%	9%	1%	26%	75%	25%	75%
1989	23%	13%	6%	3%	0%	1%	3%	64%	39%	15%	9%	0%	27%	74%	26%	74%
1990	23%	12%	6%	3%	0%	2%	3%	64%	40%	15%	9%	0%	26%	75%	25%	75%
1991	22%	12%	6%	3%	0%	2%	3%	65%	40%	15%	9%	1%	26%	76%	24%	76%
1992	22%	11%	6%	2%	0%	2%	3%	65%	40%	15%	9%	0%	26%	76%	24%	76%
1993	22%	11%	7%	2%	0%	2%	3%	66%	40%	16%	9%	1%	26%	77%	23%	77%
1994	22%	11%	7%	2%	0%	2%	3%	65%	40%	16%	8%	1%	26%	77%	23%	77%
1995	22%	11%	7%	2%	0%	2%	3%	65%	39%	16%	8%	1%	26%	77%	23%	77%
1996	22%	10%	7%	2%	0%	3%	2%	65%	39%	17%	8%	1%	26%	77%	23%	77%
1997	23%	11%	7%	2%	0%	3%	2%	64%	39%	16%	8%	1%	27%	76%	24%	76%
1998	24%	11%	7%	2%	0%	3%	2%	63%	39%	16%	8%	0%	28%	75%	25%	75%
1999	23%	11%	7%	2%	1%	3%	2%	63%	39%	16%	8%	1%	28%	75%	25%	75%
2000	23%	11%	7%	2%	1%	2%	2%	64%	39%	16%	8%	1%	28%	75%	25%	75%
2001	23%	10%	7%	2%	1%	2%	2%	65%	40%	16%	8%	1%	27%	76%	24%	76%
2002	21%	10%	7%	2%	0%	2%	2%	66%	41%	17%	8%	1%	25%	78%	22%	78%
2003	22%	11%	7%	2%	0%	3%	2%	65%	41%	17%	8%	1%	26%	77%	23%	77%
2004	22%	10%	7%	2%	0%	2%	1%	65%	41%	16%	7%	1%	26%	77%	23%	77%
2005	22%	10%	8%	2%	0%	2%	1%	65%	41%	16%	7%	1%	26%	77%	23%	77%
2006	22%	10%	8%	2%	0%	2%	2%	64%	41%	16%	7%	1%	26%	76%	24%	76%
2007	23%	10%	8%	2%	0%	2%	2%	64%	41%	16%	7%	0%	27%	76%	24%	76%
2008	22%	10%	8%	2%	0%	2%	3%	65%	41%	16%	7%	1%	26%	77%	23%	77%















**Table A12: Structure of national income in France, 1820-2008: summary macro variables (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]	[17]
	Real growth rate of national income	Ratio (Private wealth)/ (National income)	Capital share (exc. govt interest)	Labor share	Capital share (inc. govt interest)	Rate of return	Tax rate	Capital tax rate	Capital tax rate (inc. other corp. transf.)	After-tax capital share	After-tax rate of return	Personal savings rate	Private savings (person. savings + retained earnings)	Private savings minus war destruct.	Real rate of capital gains	Real rate of capital destruct. (wars)	After-tax rate of return (incl. capital gains & losses)
	$g_t$	$\beta_t = W_t/Y_t$	$\alpha_t$	$1-\alpha_t$	$\alpha_t^*$	$r_t = \alpha_t^*/\beta_t$	$T_t$	$T_{Kt}$	$T_{Kt}^*$	$\alpha_{dt}$	$r_{dt} = \alpha_{dt}/\beta_t = (1-T_{Kt}^*)r_t$	$s_{ot}$	$s_t$	$s_t+d_{yt}$	$q_t$	$d_t$	$r_{dt}^* = r_{dt}+q_t+d_t$
1820	1.0%	549%	30%	70%	32%	5.8%	8%	8%	8%	29%	5.4%	8%	8%	8%	0.3%	0.0%	5.6%
1830	1.0%	591%	35%	65%	37%	6.2%	8%	8%	8%	34%	5.7%	8%	8%	8%	0.3%	0.0%	6.0%
1840	1.8%	577%	37%	63%	39%	6.7%	8%	8%	8%	36%	6.2%	10%	10%	10%	0.1%	0.0%	6.3%
1850	1.8%	593%	44%	56%	46%	7.8%	8%	8%	8%	43%	7.2%	10%	10%	10%	0.4%	0.0%	7.6%
1860	0.9%	633%	44%	56%	46%	7.3%	8%	8%	8%	43%	6.7%	9%	9%	9%	-0.1%	0.0%	6.6%
1870	0.0%	644%	42%	58%	44%	6.8%	8%	8%	8%	40%	6.2%	8%	8%	8%	-1.3%	0.0%	4.9%
1880	-0.1%	702%	30%	70%	32%	4.5%	8%	8%	8%	29%	4.2%	9%	9%	9%	-0.4%	0.0%	3.8%
1890	1.4%	674%	26%	74%	28%	4.1%	8%	8%	8%	25%	3.8%	10%	10%	10%	-0.3%	0.0%	3.5%
1900	1.1%	675%	26%	74%	28%	4.2%	9%	10%	10%	26%	3.8%	7%	7%	7%	0.0%	0.0%	3.8%
1910	0.6%	654%	34%	66%	36%	5.6%	8%	8%	8%	33%	5.1%	5%	8%	8%	0.0%	0.0%	5.1%
1920	1.9%	316%	29%	71%	35%	9.8%	14%	15%	15%	30%	8.3%	10%	15%	5%	-4.5%	-2.1%	1.7%
1930	0.4%	395%	28%	72%	33%	8.3%	19%	19%	19%	26%	6.7%	4%	9%	9%	-1.2%	0.0%	5.5%
1940	1.4%	360%	14%	86%	14%	4.4%	21%	31%	31%	11%	3.0%	1%	3%	-14%	-0.8%	-4.0%	-1.7%
1950	5.4%	215%	23%	77%	23%	10.9%	31%	26%	31%	16%	7.5%	10%	13%	13%	0.6%	0.0%	8.1%
1960	6.2%	265%	23%	77%	23%	8.7%	35%	27%	33%	15%	5.8%	11%	14%	14%	2.5%	0.0%	8.3%
1970	4.0%	286%	21%	79%	21%	7.3%	39%	29%	37%	13%	4.6%	12%	13%	13%	-0.5%	0.0%	4.1%
1980	2.0%	301%	19%	81%	20%	6.7%	46%	33%	40%	12%	4.0%	8%	8%	8%	-0.1%	0.0%	3.9%
1990	1.6%	328%	24%	76%	27%	8.1%	48%	30%	35%	17%	5.3%	8%	11%	11%	-1.0%	0.0%	4.3%
2000	1.4%	456%	24%	76%	26%	5.9%	49%	34%	41%	15%	3.5%	9%	9%	9%	4.3%	0.0%	7.7%
2008	1.4%	563%	24%	76%	26%	4.7%	49%	34%	41%	15%	2.8%	9%	8%	8%	0.0%	0.0%	2.8%
1820-2009	1.8%	485%	29%	71%	31%	6.8%	20%	17%	19%	26%	5.4%	8%	10%	8%	-0.1%	-0.3%	5.0%
1820-1913	1.0%	638%	35%	65%	37%	5.9%	8%	8%	8%	34%	5.4%	8%	9%	9%	-0.1%	0.0%	5.3%
1913-2009	2.6%	325%	23%	77%	25%	7.8%	34%	27%	31%	17%	5.4%	8%	11%	8%	-0.1%	-0.7%	4.6%
1913-1949	1.3%	350%	25%	75%	28%	7.9%	17%	20%	21%	24%	6.4%	6%	10%	1%	-2.6%	-2.0%	1.8%
1949-1979	5.2%	255%	22%	78%	22%	9.0%	35%	28%	34%	15%	6.0%	11%	13%	13%	0.8%	0.0%	6.8%
1979-2009	1.7%	362%	22%	78%	24%	6.9%	48%	32%	39%	15%	4.3%	8%	9%	9%	1.0%	0.0%	5.3%





**Table A14: Structure of national wealth in France, 1970-2009: corporate wealth and net foreign asset position**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
	Corporate wealth (non-financial + financial corporations)							Net foreign asset position (France vis-a-vis rest of the world)						
	(% national income $Y_t$ )						(% national income $Y_t$ )							
	Net worth	Tangible assets	Financial assets	Financial (non-equity) liabilities	Equity value $L_{ct}^e$	Net worth minus Equity value	Tobin's Q ( $L_{ct}^e / NW_{ct}$ ) (Equity value/Net worth)	Net worth minus Equity value (% National wealth)	Net foreign wealth	Foreign assets owned by French residents	inc. foreign equity owned by French residents	French assets owned by foreign residents	inc. French equity owned by foreign residents	Net foreign wealth (% National wealth)
	$NW_{ct}$	$K_{ct}$	$A_{ct}$	$L_{ct}^d$				$W_{Ft}$	$FA_t$	$FA_t^e$	$FL_t$	$FL_t^e$		
1970	160%	128%	286%	253%	100%	60%	62%	18%	8%	25%	8%	17%	7%	2%
1971	149%	128%	278%	258%	84%	65%	57%	20%	9%	28%	8%	18%	6%	3%
1972	140%	129%	276%	265%	73%	67%	52%	21%	11%	31%	7%	20%	5%	3%
1973	145%	125%	292%	272%	82%	63%	57%	19%	12%	34%	7%	22%	6%	4%
1974	147%	126%	293%	271%	81%	66%	55%	21%	11%	34%	7%	24%	7%	3%
1975	146%	145%	278%	277%	58%	88%	39%	26%	9%	32%	5%	22%	5%	3%
1976	151%	141%	282%	272%	68%	83%	45%	24%	13%	37%	5%	24%	6%	4%
1977	144%	144%	282%	283%	57%	87%	39%	25%	12%	39%	4%	28%	5%	3%
1978	140%	145%	286%	290%	51%	89%	36%	26%	13%	41%	4%	28%	5%	4%
1979	140%	141%	290%	292%	55%	85%	39%	25%	12%	41%	4%	30%	5%	3%
1980	145%	146%	293%	293%	54%	91%	37%	26%	15%	46%	5%	31%	5%	4%
1981	151%	151%	299%	299%	54%	97%	36%	27%	19%	55%	6%	36%	5%	5%
1982	147%	152%	291%	295%	43%	104%	29%	30%	17%	57%	8%	40%	4%	5%
1983	149%	155%	308%	314%	43%	106%	29%	30%	17%	61%	11%	44%	3%	5%
1984	162%	156%	329%	324%	54%	108%	33%	30%	19%	69%	16%	51%	5%	5%
1985	164%	155%	347%	337%	67%	97%	41%	27%	12%	69%	13%	58%	6%	3%
1986	181%	150%	352%	321%	92%	89%	51%	26%	7%	61%	12%	53%	10%	2%
1987	209%	150%	376%	317%	133%	76%	64%	21%	5%	62%	15%	57%	17%	1%
1988	198%	148%	371%	321%	113%	85%	57%	25%	7%	61%	14%	54%	13%	2%
1989	222%	148%	405%	331%	151%	72%	68%	20%	2%	66%	17%	64%	19%	0%
1990	257%	154%	448%	344%	192%	65%	75%	17%	-3%	74%	21%	77%	26%	-1%
1991	237%	159%	438%	360%	155%	83%	65%	22%	-2%	78%	19%	80%	20%	0%
1992	242%	160%	445%	362%	161%	81%	67%	22%	-3%	79%	21%	82%	21%	-1%
1993	246%	161%	473%	388%	166%	80%	67%	22%	-1%	89%	23%	90%	22%	0%
1994	268%	158%	505%	395%	189%	78%	71%	22%	-1%	97%	28%	98%	27%	0%
1995	245%	157%	479%	391%	153%	92%	62%	26%	6%	94%	26%	88%	22%	2%
1996	244%	156%	489%	401%	147%	97%	60%	28%	8%	95%	28%	88%	22%	2%
1997	269%	155%	520%	406%	179%	89%	67%	26%	5%	102%	33%	96%	30%	2%
1998	291%	151%	560%	420%	204%	87%	70%	26%	13%	124%	43%	111%	37%	4%
1999	325%	151%	595%	422%	243%	81%	75%	24%	12%	136%	50%	125%	48%	3%
2000	404%	155%	695%	447%	348%	56%	86%	15%	4%	171%	71%	167%	77%	1%
2001	429%	163%	729%	463%	355%	74%	83%	19%	10%	192%	84%	182%	75%	3%
2002	394%	172%	715%	493%	296%	99%	75%	25%	17%	202%	80%	185%	62%	4%
2003	375%	180%	678%	483%	263%	112%	70%	27%	14%	189%	63%	175%	49%	3%
2004	403%	189%	694%	479%	288%	115%	71%	26%	9%	200%	71%	191%	56%	2%
2005	436%	204%	734%	501%	310%	126%	71%	25%	8%	218%	78%	211%	62%	2%
2006	474%	215%	798%	539%	340%	133%	72%	25%	9%	263%	96%	254%	79%	2%
2007	522%	225%	872%	576%	395%	127%	76%	22%	5%	291%	109%	286%	90%	1%
2008	540%	237%	946%	642%	398%	142%	74%	23%	16%	323%	115%	307%	89%	3%
2009	446%	247%	916%	716%	289%	157%	65%	26%	-5%	296%	78%	301%	61%	-1%

**Table A15a: Composition of private wealth in France, 1970-2009**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
	(% national income $Y_t$ )											
	Private wealth $W_t$	Housing (net value) ( $K_t^h - L_t$ )	inc. housing assets $K_t^h$	inc. financial liabilities $L_t$	Non-housing tangible assets $K_t^n$ (unincorp. business assets, land,...)	Financial assets $A_t$ ( $A_t^e + A_t^d$ )	inc. equity assets $A_t^e$	inc. public equity & mutual funds	inc. private equity	inc. debt (non-equity) assets $A_t^d$	inc. life-insurance assets	inc. other debt assets (bonds, savings & checking accounts,...)
1970	289%	76%	96%	20%	111%	102%	22%	0%	0%	80%	6%	74%
1971	283%	79%	99%	19%	106%	98%	18%	0%	0%	80%	7%	74%
1972	281%	80%	100%	20%	103%	98%	15%	0%	0%	83%	7%	76%
1973	280%	79%	100%	20%	101%	99%	16%	0%	0%	83%	7%	76%
1974	274%	82%	102%	20%	95%	97%	17%	0%	0%	81%	7%	74%
1975	289%	97%	118%	20%	99%	93%	11%	0%	0%	83%	7%	76%
1976	289%	98%	118%	20%	96%	94%	12%	0%	0%	83%	7%	76%
1977	293%	105%	125%	20%	95%	93%	9%	0%	0%	84%	7%	77%
1978	292%	107%	127%	20%	92%	93%	8%	3%	5%	85%	7%	78%
1979	293%	109%	130%	21%	90%	94%	10%	4%	6%	84%	7%	78%
1980	298%	114%	137%	23%	88%	96%	9%	4%	5%	87%	7%	80%
1981	301%	119%	144%	25%	85%	98%	9%	5%	4%	89%	7%	81%
1982	294%	122%	146%	25%	79%	93%	8%	5%	3%	86%	7%	79%
1983	298%	122%	149%	27%	77%	98%	8%	5%	3%	90%	8%	83%
1984	302%	125%	153%	28%	75%	102%	12%	8%	4%	90%	8%	82%
1985	300%	122%	153%	31%	70%	108%	16%	10%	6%	92%	9%	83%
1986	295%	120%	152%	32%	64%	111%	23%	14%	9%	88%	10%	78%
1987	311%	124%	156%	32%	62%	126%	36%	20%	15%	90%	11%	79%
1988	300%	123%	158%	34%	58%	118%	30%	19%	11%	88%	12%	75%
1989	311%	125%	162%	37%	56%	130%	41%	24%	17%	89%	14%	75%
1990	330%	132%	170%	38%	58%	140%	51%	29%	22%	89%	17%	73%
1991	329%	137%	179%	42%	58%	135%	43%	28%	15%	92%	19%	72%
1992	327%	135%	178%	43%	53%	138%	47%	31%	16%	92%	22%	70%
1993	331%	135%	179%	44%	49%	147%	49%	33%	15%	98%	25%	73%
1994	330%	130%	176%	46%	46%	155%	52%	35%	17%	103%	29%	74%
1995	324%	131%	177%	45%	44%	148%	41%	29%	11%	107%	33%	75%
1996	322%	129%	174%	46%	41%	152%	36%	25%	11%	116%	37%	79%
1997	329%	129%	174%	45%	39%	160%	39%	25%	14%	121%	42%	79%
1998	327%	125%	170%	45%	37%	166%	40%	24%	16%	126%	47%	79%
1999	330%	123%	171%	48%	36%	171%	44%	26%	18%	127%	50%	78%
2000	355%	132%	181%	49%	37%	186%	55%	29%	26%	130%	54%	77%
2001	368%	143%	194%	51%	38%	187%	54%	29%	25%	132%	57%	76%
2002	379%	158%	211%	53%	40%	181%	47%	27%	20%	135%	59%	75%
2003	398%	177%	229%	52%	42%	179%	43%	23%	20%	136%	60%	76%
2004	426%	199%	253%	54%	44%	183%	47%	24%	22%	137%	62%	74%
2005	471%	232%	290%	57%	48%	191%	49%	24%	25%	142%	68%	74%
2006	510%	262%	323%	61%	51%	197%	52%	26%	25%	145%	72%	74%
2007	538%	280%	345%	65%	52%	207%	58%	27%	31%	149%	76%	73%
2008	563%	295%	364%	69%	51%	216%	60%	29%	31%	156%	81%	75%
2009	552%	293%	366%	73%	51%	208%	46%	22%	24%	162%	83%	79%

**Table A15b: Composition of private wealth in France, 1970-2009**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]
	(% private wealth $W_t$ )											
	Private wealth $W_t$	Housing (net value) ( $K_t^h - L_t$ )	inc. housing assets $K_t^h$	inc. financial liabilities $L_t$	Non-housing tangible assets $K_t^n$ (unincorp. business assets, land,..)	Financial assets $A_t$ ( $A_t^e + A_t^d$ )	inc. equity assets $A_t^e$	inc. public equity & mutual funds	inc. private equity	inc. debt (non-equity) assets $A_t^d$	inc. life-insurance assets	inc. other debt assets (bonds, savings & checking accounts,..)
1970	100%	26%	33%	7%	38%	35%	7%	3%	5%	28%	2%	26%
1971	100%	28%	35%	7%	37%	35%	6%	2%	4%	28%	2%	26%
1972	100%	28%	36%	7%	37%	35%	5%	2%	3%	30%	2%	27%
1973	100%	28%	36%	7%	36%	35%	6%	2%	4%	30%	2%	27%
1974	100%	30%	37%	7%	35%	35%	6%	2%	4%	29%	2%	27%
1975	100%	34%	41%	7%	34%	32%	4%	1%	2%	29%	2%	26%
1976	100%	34%	41%	7%	33%	33%	4%	2%	3%	29%	2%	26%
1977	100%	36%	43%	7%	32%	32%	3%	1%	2%	29%	2%	26%
1978	100%	37%	43%	7%	31%	32%	3%	1%	2%	29%	2%	27%
1979	100%	37%	44%	7%	31%	32%	3%	1%	2%	29%	2%	26%
1980	100%	38%	46%	8%	29%	32%	3%	1%	2%	29%	2%	27%
1981	100%	39%	48%	8%	28%	32%	3%	2%	1%	29%	2%	27%
1982	100%	41%	50%	8%	27%	32%	3%	2%	1%	29%	2%	27%
1983	100%	41%	50%	9%	26%	33%	3%	2%	1%	30%	3%	28%
1984	100%	41%	51%	9%	25%	34%	4%	3%	1%	30%	3%	27%
1985	100%	41%	51%	10%	23%	36%	5%	3%	2%	31%	3%	28%
1986	100%	41%	51%	11%	22%	38%	8%	5%	3%	30%	3%	26%
1987	100%	40%	50%	10%	20%	40%	11%	7%	5%	29%	4%	25%
1988	100%	41%	53%	11%	19%	39%	10%	6%	4%	29%	4%	25%
1989	100%	40%	52%	12%	18%	42%	13%	8%	5%	29%	5%	24%
1990	100%	40%	52%	12%	17%	43%	15%	9%	7%	27%	5%	22%
1991	100%	42%	54%	13%	18%	41%	13%	8%	5%	28%	6%	22%
1992	100%	41%	55%	13%	16%	42%	14%	10%	5%	28%	7%	21%
1993	100%	41%	54%	13%	15%	44%	15%	10%	5%	30%	8%	22%
1994	100%	39%	53%	14%	14%	47%	16%	11%	5%	31%	9%	22%
1995	100%	41%	55%	14%	14%	46%	13%	9%	3%	33%	10%	23%
1996	100%	40%	54%	14%	13%	47%	11%	8%	3%	36%	11%	24%
1997	100%	39%	53%	14%	12%	49%	12%	8%	4%	37%	13%	24%
1998	100%	38%	52%	14%	11%	51%	12%	7%	5%	39%	14%	24%
1999	100%	37%	52%	15%	11%	52%	13%	8%	5%	39%	15%	23%
2000	100%	37%	51%	14%	11%	52%	16%	8%	7%	37%	15%	22%
2001	100%	39%	53%	14%	10%	51%	15%	8%	7%	36%	15%	21%
2002	100%	42%	56%	14%	11%	48%	12%	7%	5%	36%	16%	20%
2003	100%	45%	58%	13%	11%	45%	11%	6%	5%	34%	15%	19%
2004	100%	47%	59%	13%	10%	43%	11%	6%	5%	32%	15%	17%
2005	100%	49%	61%	12%	10%	41%	10%	5%	5%	30%	14%	16%
2006	100%	51%	63%	12%	10%	39%	10%	5%	5%	29%	14%	14%
2007	100%	52%	64%	12%	10%	38%	11%	5%	6%	28%	14%	13%
2008	100%	52%	65%	12%	9%	38%	11%	5%	6%	28%	14%	13%
2009	100%	53%	66%	13%	9%	38%	8%	4%	4%	29%	15%	14%
<b>estimated fraction of assets subject to estate tax</b>			80%		70%			90%	50%		5%	90%
<b>estimated fraction of assets exempt from estate tax</b>			20%		30%			10%	50%		95%	10%

**Table A16: Raw national wealth estimates in France, 1820-2008**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
	<b>Private wealth</b>  <b>W<sub>t</sub></b>	<i>incl. net foreign financial assets</i> <i>W<sub>Ft</sub></i>	<i>Net foreign assets as % of private wealth</i>	<b>Govt wealth</b>  <b>W<sub>gt</sub></b>	<i>Govt assets</i>	<i>Govt debt</i>	<b>National wealth</b>  <b>W<sub>nt</sub></b>	% (Private wealth)/ (National wealth)	% (Govt wealth)/ (National wealth)	<b>% (Private wealth)/ (National income)</b>	% (Govt wealth)/ (National income)	% (Govt assets)/ (National income)	% (Govt debt)/ (National income)	% (National wealth)/ (National income)
1820	<b>62</b>	1	2%	<b>2</b>	7	5	<b>64</b>	98%	2%	<b>549%</b>	13%	58%	44%	562%
1830	<b>80</b>	2	3%	<b>3</b>	8	5	<b>83</b>	96%	4%	<b>591%</b>	22%	59%	37%	613%
1840	<b>95</b>	3	3%	<b>3</b>	9	6	<b>98</b>	97%	3%	<b>577%</b>	18%	55%	36%	595%
1850	<b>130</b>	6	5%	<b>7</b>	14	7	<b>137</b>	95%	5%	<b>593%</b>	32%	64%	32%	625%
1860	<b>165</b>	15	9%	<b>9</b>	17	8	<b>174</b>	95%	5%	<b>633%</b>	35%	65%	31%	667%
1870	<b>185</b>	20	11%	<b>3</b>	23	20	<b>188</b>	98%	2%	<b>644%</b>	10%	80%	70%	654%
1880	<b>195</b>	25	13%	<b>3</b>	28	25	<b>198</b>	98%	2%	<b>702%</b>	11%	101%	90%	713%
1896	<b>205</b>	27	13%	<b>5</b>	34	29	<b>210</b>	98%	2%	<b>662%</b>	16%	110%	94%	678%
1913	<b>297</b>	41	14%	<b>5</b>	39	34	<b>302</b>	98%	2%	<b>660%</b>	11%	87%	76%	671%
1925	<b>695</b>	15	2%	<b>-101</b>	192	293	<b>594</b>	117%	-17%	<b>293%</b>	-43%	81%	124%	251%
1954	<b>47</b>	1	2%	<b>22</b>	28	7	<b>68</b>	68%	32%	<b>203%</b>	94%	124%	30%	297%
1970	<b>330</b>	9	3%	<b>44</b>	99	55	<b>373</b>	88%	12%	<b>289%</b>	38%	87%	49%	328%
1980	<b>1 176</b>	59	5%	<b>219</b>	355	136	<b>1 395</b>	84%	16%	<b>298%</b>	55%	90%	35%	353%
1990	<b>3 005</b>	-29	-1%	<b>398</b>	839	441	<b>3 403</b>	88%	12%	<b>330%</b>	44%	92%	48%	373%
2000	<b>4 555</b>	50	1%	<b>298</b>	1 325	1 027	<b>4 852</b>	94%	6%	<b>355%</b>	23%	103%	80%	379%
2008	<b>9 505</b>	272	3%	<b>858</b>	2 385	1 527	<b>10 363</b>	92%	8%	<b>563%</b>	51%	141%	90%	614%





**Table A18: Accumulation equation for private wealth in France, 1820-1913 (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
	<b>National income <math>Y_t</math></b> (current billions francs)	<b>Real growth rate of national income <math>g_t</math></b>	<b>Private wealth <math>W_t</math></b> (current billions francs)	<b>Real growth rate of private wealth <math>g_{wt}</math></b>	<b>Wealth-income ratio <math>\beta_t = W_t/Y_t</math></b>	<b>Savings rate <math>s_t = S_t/Y_t</math></b>	<b>Savings-induced wealth growth rate <math>g_{wst} = s_{t-1}/\beta_{t-1}</math></b>	<b>Real rate of capital gains <math>q_t</math></b>	<i>memo: consumer price inflation <math>p_t</math></i>	<i>memo: consumer price index</i>	<i>memo: population growth rate <math>n_t</math></i>	<i>memo: adult population</i>	<i>memo: nominal wage index</i>	<i>memo: nominal wage bill</i>
1820	11.3	1.0%	62.0	1.7%	549%	8%	1.5%	0.3%	0.8%	74	0.7%	18.8	43	32
1830	13.5	1.0%	80.0	1.7%	591%	8%	1.5%	0.3%	0.8%	80	0.7%	20.1	45	35
1840	16.5	1.8%	95.0	1.5%	577%	10%	1.4%	0.1%	0.2%	82	0.6%	21.3	50	42
1850	21.9	1.8%	130.0	2.1%	593%	10%	1.7%	0.4%	1.1%	91	0.6%	22.7	55	49
1860	26.1	0.9%	165.0	1.6%	633%	9%	1.7%	-0.1%	0.8%	99	0.5%	23.9	62	58
1870	28.7	0.0%	185.0	0.2%	644%	8%	1.5%	-1.3%	1.0%	109	-0.2%	23.5	73	67
1880	27.8	-0.1%	195.0	0.8%	702%	9%	1.2%	-0.4%	-0.3%	106	0.3%	24.2	82	78
1890	30.4	1.4%	205.0	1.0%	674%	10%	1.3%	-0.3%	-0.5%	101	0.4%	25.1	92	90
1900	33.9	1.2%	228.6	1.2%	675%	7%	1.5%	-0.2%	-0.1%	100	0.2%	25.6	100	100
1910	42.7	1.6%	279.4	1.1%	654%	8%	1.0%	0.0%	2.0%	113	0.4%	26.2	112	115
<b>1820-1913</b>		<b>1.0%</b>		<b>1.3%</b>	<b>629%</b>	<b>9%</b>	<b>1.4%</b>	<b>-0.1%</b>	<b>0.5%</b>		<b>0.4%</b>			

**Table A19: Sources of private wealth accumulation in France, 1820-2009 - Summary statistics**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]
			Method n°1: savings = private savings				Method n°2: savings = personal savings				
	Real growth rate of national income	Real growth rate of private wealth	Private savings rate (personal savings + net retained earnings)	Savings-induced wealth growth rate	Real rate of capital gains	Destruction rate	Personal savings rate	Savings-induced wealth growth rate	Real rate of capital gains	Destruction rate	<i>Memo: Consumer price inflation</i>
	g	g <sub>w</sub>	s = S/Y	g <sub>ws</sub> = s/β	q	d	s = S/Y	g <sub>ws</sub> = s/β	q	d	p
<b>1820-2009</b>	<b>1.8%</b>	<b>1.8%</b>	<b>9.8%</b>	<b>2.5%</b> 135%	<b>-0.3%</b> -14%	<b>-0.4%</b> -21%	<b>8.5%</b>	<b>2.1%</b> 113%	<b>0.1%</b> 8%	<b>-0.4%</b> -21%	<b>4.4%</b>
<b>1820-1913</b>	<b>1.0%</b>	<b>1.3%</b>	<b>8.7%</b>	<b>1.4%</b> 109%	<b>-0.1%</b> -9%	<b>0.0%</b>	<b>8.7%</b>	<b>1.4%</b> 109%	<b>-0.1%</b> -9%	<b>0.0%</b>	<b>0.5%</b>
<b>1913-2009</b>	<b>2.6%</b>	<b>2.4%</b>	<b>10.9%</b>	<b>3.6%</b> 148%	<b>-0.4%</b> -16%	<b>-0.8%</b> -31%	<b>8.3%</b>	<b>2.8%</b> 115%	<b>0.4%</b> 17%	<b>-0.8%</b> -32%	<b>8.3%</b>
1896-2009	2.4%	2.2%	10.5%	3.3% 144%	-0.3% -15%	-0.7% -29%	8.2%	2.5% 113%	0.4% 16%	-0.7% -30%	7.1%
1896-1913	1.2%	1.2%	8.1%	1.2% 102%	0.0% -2%	0.0%	7.3%	1.1% 92%	0.1% 8%	0.0%	1.0%
<b>1913-1949</b>	<b>1.3%</b>	<b>-1.7%</b>	<b>10.0%</b>	<b>2.9%</b> 87%	<b>-2.6%</b> 13%	<b>-2.0%</b> 44%	<b>5.9%</b>	<b>1.8%</b> 71%	<b>-1.4%</b> 29%	<b>-2.1%</b> 59%	<b>13.9%</b>
<b>1949-1979</b>	<b>5.2%</b>	<b>6.2%</b>	<b>13.4%</b>	<b>5.4%</b> 87%	<b>0.8%</b> 13%	<b>0.0%</b>	<b>11.0%</b>	<b>4.4%</b> 71%	<b>1.8%</b> 29%	<b>0.0%</b>	<b>6.4%</b>
<b>1979-2009</b>	<b>1.7%</b>	<b>3.8%</b>	<b>9.5%</b>	<b>2.8%</b> 73%	<b>1.0%</b> 27%	<b>0.0%</b>	<b>8.5%</b>	<b>2.5%</b> 66%	<b>1.3%</b> 34%	<b>0.0%</b>	<b>3.6%</b>
1949-1959	5.4%	6.6%	12.9%	6.1% 91%	0.6% 9%	0.0%	10.2%	4.8% 74%	1.7% 26%	0.0%	6.5%
1959-1969	6.2%	7.9%	13.8%	5.3% 68%	2.5% 32%	0.0%	10.9%	4.2% 54%	3.6% 46%	0.0%	3.9%
1969-1979	4.0%	4.2%	13.6%	4.8% 113%	-0.5% -13%	0.0%	11.9%	4.2% 100%	0.0% 0%	0.0%	8.8%
1979-1989	2.0%	2.6%	8.2%	2.8% 105%	-0.1% -5%	0.0%	8.6%	2.9% 110%	-0.3% -10%	0.0%	7.3%
1989-1999	1.6%	2.2%	10.6%	3.3% 146%	-1.0% -46%	0.0%	8.1%	2.5% 113%	-0.3% -13%	0.0%	1.9%
1999-2009	1.4%	6.7%	9.7%	2.3% 36%	4.3% 64%	0.0%	8.8%	2.1% 32%	4.5% 68%	0.0%	1.8%









**Table A21: Construction of a composite asset price index**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]
	Weights used to construct the index				Resulting composite asset price index (1900=1.00)	Composite asset price inflation	Composite asset price inflation relative to CPI
	Weight on real estate price index (Paris)	Weight on equity price index	Weight on consumer price index	Weight on nominal assets (fixed nominal asset prices)			
1896	30%	30%	20%	20%	0.92		
1897	30%	30%	20%	20%	0.95	3.1%	6.0%
1898	30%	30%	20%	20%	0.97	2.5%	1.1%
1899	30%	30%	20%	20%	0.99	2.3%	0.9%
1900	30%	30%	20%	20%	1.00	0.6%	0.6%
1901	30%	30%	20%	20%	0.97	-3.4%	-3.9%
1902	30%	30%	20%	20%	0.94	-2.2%	-1.1%
1903	30%	30%	20%	20%	0.95	0.4%	0.9%
1904	30%	30%	20%	20%	0.95	0.0%	1.4%
1905	30%	30%	20%	20%	0.98	3.0%	3.1%
1906	30%	30%	20%	20%	1.00	1.9%	0.6%
1907	30%	30%	20%	20%	1.00	0.6%	-0.8%
1908	30%	30%	20%	20%	1.00	-0.1%	-2.3%
1909	30%	30%	20%	20%	1.03	2.5%	2.7%
1910	30%	30%	20%	20%	1.07	4.2%	1.1%
1911	30%	30%	20%	20%	1.11	4.2%	-5.1%
1912	30%	30%	20%	20%	1.14	2.3%	3.4%
1913	30%	30%	20%	20%	1.14	0.4%	-2.9%
1914	30%	30%	20%	20%	1.13	-1.2%	-1.2%
1915	30%	30%	20%	20%	1.14	0.9%	-15.0%
1916	30%	30%	20%	20%	1.25	9.8%	-2.0%
1917	30%	30%	20%	20%	1.35	7.5%	-10.3%
1918	30%	30%	20%	20%	1.45	7.6%	-17.0%
1919	30%	30%	20%	20%	1.56	7.9%	-13.7%
1920	30%	30%	20%	20%	1.78	14.1%	-17.0%
1921	30%	30%	20%	20%	1.64	-8.1%	4.9%
1922	30%	30%	20%	20%	1.70	3.9%	8.1%
1923	30%	30%	20%	20%	2.05	20.3%	8.4%
1924	30%	30%	20%	20%	2.29	12.0%	-1.6%
1925	30%	30%	20%	20%	2.39	4.2%	-2.9%
1926	30%	30%	20%	20%	2.73	14.2%	-12.2%
1927	30%	30%	20%	20%	2.99	9.4%	4.8%
1928	30%	30%	20%	20%	3.40	13.8%	14.0%
1929	30%	30%	20%	20%	3.72	9.4%	3.0%
1930	30%	30%	20%	20%	3.74	0.6%	-0.2%
1931	30%	30%	20%	20%	3.45	-7.8%	-4.1%
1932	30%	30%	20%	20%	3.22	-6.6%	2.5%
1933	30%	30%	20%	20%	3.14	-2.4%	0.8%
1934	30%	30%	20%	20%	2.94	-6.3%	-2.2%
1935	30%	30%	20%	20%	2.81	-4.5%	4.2%
1936	30%	30%	20%	20%	2.79	-0.8%	-7.6%
1937	30%	30%	20%	20%	3.13	12.3%	-10.7%
1938	30%	30%	20%	20%	3.14	0.2%	-11.8%
1939	30%	30%	20%	20%	3.30	5.2%	-1.3%
1940	30%	30%	20%	20%	3.78	14.3%	-3.6%
1941	30%	30%	20%	20%	5.71	51.2%	28.9%
1942	30%	30%	20%	20%	7.41	29.9%	8.2%
1943	30%	30%	20%	20%	7.99	7.8%	-13.2%
1944	30%	30%	20%	20%	8.42	5.4%	-13.8%
1945	30%	30%	20%	20%	9.02	7.1%	-27.7%
1946	30%	30%	20%	20%	10.87	20.6%	-21.0%
1947	30%	30%	20%	20%	13.27	22.1%	-18.3%

1948	30%	30%	20%	20%	15.57	17.3%	-26.0%
1949	30%	30%	20%	20%	15.95	2.4%	-9.5%
1950	30%	30%	20%	20%	16.24	1.8%	-7.4%
1951	30%	30%	20%	20%	19.87	22.4%	5.2%
1952	30%	30%	20%	20%	23.58	18.6%	6.0%
1953	30%	30%	20%	20%	25.96	10.1%	12.0%
1954	30%	30%	20%	20%	31.06	19.7%	19.2%
1955	30%	30%	20%	20%	38.02	22.4%	21.3%
1956	30%	30%	20%	20%	43.53	14.5%	9.9%
1957	30%	30%	20%	20%	53.78	23.5%	19.9%
1958	30%	30%	20%	20%	56.81	5.6%	-8.2%
1959	30%	30%	20%	20%	64.43	13.4%	6.9%
1960	30%	30%	20%	20%	73.26	13.7%	9.6%
1961	30%	30%	20%	20%	82.80	13.0%	9.4%
1962	30%	30%	20%	20%	90.78	9.6%	4.7%
1963	30%	30%	20%	20%	97.47	7.4%	2.5%
1964	30%	30%	20%	20%	99.33	1.9%	-1.4%
1965	30%	30%	20%	20%	103.96	4.7%	2.1%
1966	30%	30%	20%	20%	105.09	1.1%	-1.6%
1967	30%	30%	20%	20%	101.56	-3.4%	-5.8%
1968	30%	30%	20%	20%	109.77	8.1%	3.3%
1969	30%	30%	20%	20%	123.78	12.8%	5.9%
1970	30%	30%	20%	20%	127.84	3.3%	-1.8%
1971	30%	30%	20%	20%	130.62	2.2%	-3.1%
1972	30%	30%	20%	20%	140.18	7.3%	1.1%
1973	30%	30%	20%	20%	149.75	6.8%	-0.4%
1974	30%	30%	20%	20%	153.12	2.3%	-10.1%
1975	30%	30%	20%	20%	160.06	4.5%	-6.5%
1976	30%	30%	20%	20%	172.73	7.9%	-1.5%
1977	30%	30%	20%	20%	173.61	0.5%	-8.1%
1978	30%	30%	20%	20%	192.91	11.1%	1.8%
1979	30%	30%	20%	20%	221.00	14.6%	3.4%
1980	30%	30%	20%	20%	245.10	10.9%	-2.4%
1981	30%	30%	20%	20%	253.33	3.4%	-8.9%
1982	30%	30%	20%	20%	260.72	2.9%	-7.9%
1983	30%	30%	20%	20%	293.54	12.6%	2.7%
1984	30%	30%	20%	20%	335.69	14.4%	6.5%
1985	30%	30%	20%	20%	378.73	12.8%	6.6%
1986	30%	30%	20%	20%	461.57	21.9%	18.7%
1987	30%	30%	20%	20%	504.34	9.3%	6.0%
1988	30%	30%	20%	20%	521.20	3.3%	0.6%
1989	30%	30%	20%	20%	617.32	18.4%	14.2%
1990	30%	30%	20%	20%	651.15	5.5%	2.0%
1991	30%	30%	20%	20%	651.23	0.0%	-3.1%
1992	30%	30%	20%	20%	641.01	-1.6%	-3.9%
1993	30%	30%	20%	20%	653.03	1.9%	-0.1%
1994	30%	30%	20%	20%	664.38	1.7%	0.0%
1995	30%	30%	20%	20%	633.22	-4.7%	-6.3%
1996	30%	30%	20%	20%	646.51	2.1%	0.1%
1997	30%	30%	20%	20%	698.03	8.0%	6.7%
1998	30%	30%	20%	20%	765.80	9.7%	8.9%
1999	30%	30%	20%	20%	840.23	9.7%	9.2%
2000	30%	30%	20%	20%	970.95	15.6%	13.6%
2001	30%	30%	20%	20%	945.55	-2.6%	-4.2%
2002	30%	30%	20%	20%	911.88	-3.6%	-5.4%
2003	30%	30%	20%	20%	906.18	-0.6%	-2.6%
2004	30%	30%	20%	20%	999.43	10.3%	8.0%
2005	30%	30%	20%	20%	1 099.20	10.0%	8.0%
2006	30%	30%	20%	20%	1 210.83	10.2%	8.4%
2007	30%	30%	20%	20%	1 295.94	7.0%	5.5%
2008	30%	30%	20%	20%	1 234.01	-4.8%	-7.4%
2009	30%	30%	20%	20%	1 098.00	-11.0%	-11.4%

**Table A22: Price and return indexes in France, 1900-2009 (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
	Average annual nominal inflation rates and return rates							Real rates (in excess of CPI)						
	Consumer price inflation $p_t$	Real estate price inflation (Paris)	Real estate price inflation (France)	Equity price inflation	Composite asset price index	Equity total return (incl. dividend)	Bonds total return (incl. interest)	Real estate price inflation (Paris)	Real estate price inflation (France)	Equity price inflation	Composite asset price inflation	Equity total return (incl. dividend)	Bonds total return (incl. interest)	<i>Memo: real rate of capital gains <math>q_t</math></i>
1820-1900	<b>0.4%</b>					6.6%	5.1%					6.2%	4.7%	<b>-0.1%</b>
1820-1855	<b>1.0%</b>					7.1%	5.5%					6.0%	4.4%	<b>0.3%</b>
1856-1900	<b>-0.2%</b>	1.7%		-0.1%		5.7%	4.7%	1.8%		0.1%		5.9%	4.8%	<b>-0.5%</b>
1896-2009	<b>7.1%</b>	8.4%		6.7%	6.5%	9.9%	5.9%	1.2%		-0.4%	<b>-0.6%</b>	2.6%	-1.1%	<b>-0.3%</b>
1896-1913	<b>1.0%</b>	1.6%		1.9%	<b>1.3%</b>	5.1%	1.9%	0.6%		0.9%	<b>0.3%</b>	4.0%	0.9%	<b>0.0%</b>
1913-1949	<b>13.9%</b>	5.7%		7.8%	<b>7.6%</b>	11.1%	4.3%	-7.2%		-5.4%	<b>-5.6%</b>	-2.5%	-8.5%	<b>-2.6%</b>
1949-2009	<b>4.9%</b>	12.2%	10.4%	7.7%	<b>7.4%</b>	10.8%	8.2%	6.9%	5.2%	2.7%	<b>2.4%</b>	5.7%	3.2%	<b>0.9%</b>
1949-1979	6.2%	18.1%	15.3%	8.0%	<b>9.4%</b>	11.5%	6.7%	11.1%	8.5%	1.6%	<b>3.0%</b>	4.9%	0.4%	<b>0.8%</b>
1979-2009	3.3%	6.4%	5.4%	7.3%	<b>5.3%</b>	10.0%	10.3%	3.0%	2.1%	3.9%	<b>2.0%</b>	6.5%	6.8%	<b>1.0%</b>
1896-1913	<b>1.0%</b>	1.6%		1.9%	<b>1.3%</b>	5.1%	1.9%	0.6%		0.9%	<b>0.3%</b>	4.0%	0.9%	<b>0.0%</b>
1913-1925	<b>12.4%</b>	5.4%		6.0%	<b>6.3%</b>	9.4%	1.5%	-6.2%		-5.7%	<b>-5.4%</b>	-2.6%	-9.7%	<b>-5.6%</b>
1925-1954	<b>13.4%</b>	9.0%		10.1%	<b>9.2%</b>	13.8%	6.0%	-3.9%		-2.9%	<b>-3.7%</b>	0.3%	-6.5%	<b>-1.1%</b>
1954-1970	<b>4.5%</b>	19.5%	17.4%	7.0%	<b>9.2%</b>	9.4%	5.3%	14.4%	12.3%	2.4%	<b>4.5%</b>	4.7%	0.7%	<b>2.5%</b>
1970-2009	<b>4.9%</b>	7.6%	7.2%	6.4%	<b>5.7%</b>	9.5%	9.4%	2.6%	2.2%	1.5%	<b>0.7%</b>	4.4%	4.4%	<b>0.6%</b>
1900-09	<b>0.2%</b>	0.7%		-0.1%	<b>0.3%</b>	4.0%	2.6%	0.5%		-0.3%	<b>0.0%</b>	3.8%	2.4%	<b>0.0%</b>
1910-19	<b>12.6%</b>	1.9%		3.4%	<b>4.3%</b>	6.7%	-0.6%	-9.4%		-8.1%	<b>-7.3%</b>	-5.2%	-11.7%	<b>-3.4%</b>
1920-29	<b>5.7%</b>	8.6%		14.4%	<b>8.5%</b>	18.6%	7.2%	2.7%		8.3%	<b>2.7%</b>	12.2%	1.5%	<b>-3.9%</b>
1930-39	<b>2.2%</b>	-0.2%		-6.9%	<b>-1.4%</b>	-3.3%	5.0%	-2.3%		-8.9%	<b>-3.5%</b>	-5.4%	2.7%	<b>-1.2%</b>
1940-49	<b>32.9%</b>	10.6%	23.2%	20.6%	<b>17.4%</b>	20.7%	3.8%	-16.8%	-7.4%	-9.3%	<b>-11.7%</b>	-9.2%	-22.0%	<b>-0.8%</b>
1950-59	<b>6.1%</b>	29.7%	20.0%	20.0%	<b>16.5%</b>	24.2%	7.3%	22.3%	13.1%	13.2%	<b>9.9%</b>	17.1%	1.2%	<b>0.6%</b>
1960-69	<b>3.9%</b>	15.8%	14.6%	0.9%	<b>6.0%</b>	3.3%	4.3%	11.4%	10.3%	-2.9%	<b>2.0%</b>	-0.5%	0.4%	<b>2.5%</b>
1970-79	<b>9.2%</b>	10.7%	12.0%	3.1%	<b>6.3%</b>	7.2%	8.5%	1.3%	2.5%	-5.6%	<b>-2.7%</b>	-1.9%	-0.6%	<b>-0.5%</b>
1980-89	<b>6.6%</b>	12.3%	7.0%	17.3%	<b>10.8%</b>	21.7%	15.7%	5.3%	0.4%	10.0%	<b>3.9%</b>	14.1%	8.5%	<b>-0.1%</b>
1990-99	<b>1.7%</b>	-2.8%	1.2%	10.6%	<b>2.9%</b>	12.3%	11.1%	-4.4%	-0.5%	8.7%	<b>1.1%</b>	10.4%	9.2%	<b>-1.0%</b>
2000-09	<b>1.8%</b>	8.3%	7.4%	-6.3%	<b>1.4%</b>	-4.1%	6.5%	6.5%	5.5%	-8.0%	<b>-0.4%</b>	-5.8%	4.6%	<b>4.3%</b>











**Table B2: Computation of the fiscal inheritance flow in France, 1826-2008 (decennial averages)**

(values in current billions euros 1949-2008; current billions old francs 1826-1948)	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
	Raw fiscal bequest flow $B_t^{f0}$	Correction for non-filers			Correction for tax-exempt assets			Correction for inter-vivos gift				Fiscal inheritance flow / National income, private wealth & disposable income Ratios			
		upgrade factor for non-filers	Fiscal flow, incl. non-filers $B_t^{f1}$	% non-filers bequest in total bequest	upgrade factor for tax-exempt assets	Fiscal flow, incl. non-filers & tax-exempt assets $B_t^{f2}$	% tax-exempt assets in total bequest	Raw fiscal inter-vivos gift flow $V_t^{f0}$	Ratio (raw gift flow)/(raw bequest flow) $v_t = V_t^{f0}/B_t^{f0}$	Fiscal flow, incl. non-filers, tax-exempt assets & gifts $B_t^f$	upgrade factor for inter-vivos gifts $1+v_t$	$B_t^f/Y_t$	$B_t^f/W_t$	$B_t^f/Y_{dt}$	memo: $B_t^f/Y_{dt}$
1820	1.3	103%	1.3	3%	118%	1.6	16%	0.5	35%	2.1	135%	18.9%	3.4%	19.8%	21.4%
1830	1.4	103%	1.5	3%	122%	1.8	18%	0.5	37%	2.5	137%	18.1%	3.1%	19.1%	21.9%
1840	1.7	103%	1.7	3%	125%	2.2	20%	0.7	39%	3.0	139%	18.4%	3.2%	19.4%	22.2%
1850	2.1	103%	2.1	3%	124%	2.6	19%	0.7	34%	3.5	134%	16.0%	2.7%	16.8%	21.1%
1860	2.9	103%	3.0	3%	117%	3.4	14%	0.9	30%	4.5	130%	17.2%	2.7%	18.1%	21.3%
1870	4.1	103%	4.2	3%	109%	4.6	8%	1.0	24%	5.7	124%	19.8%	3.1%	20.8%	23.4%
1880	5.0	103%	5.1	3%	105%	5.4	5%	1.0	21%	6.5	121%	23.3%	3.3%	24.5%	25.7%
1890	5.5	103%	5.7	3%	105%	6.0	5%	1.0	18%	7.0	118%	23.1%	3.4%	24.3%	25.1%
1900	5.6	102%	5.7	2%	117%	6.7	15%	1.0	19%	7.9	119%	23.3%	3.5%	24.7%	25.5%
1910	5.6	103%	5.8	3%	125%	7.3	20%	1.1	20%	8.7	120%	20.3%	3.1%	21.5%	24.0%
1920	11.2	103%	11.5	3%	125%	14.4	20%	2.0	25%	18.0	125%	7.0%	2.2%	7.3%	10.2%
1930	15.5	103%	16.0	3%	125%	20.0	20%		25%	25.0	125%	8.1%	2.1%	8.7%	11.8%
1940	39.1	104%	40.5	4%	125%	50.6	20%	16.2	29%	66.4	129%	6.7%	1.8%	7.9%	11.5%
1950	0.4	113%	0.5	11%	127%	0.6	21%	0.1	28%	0.8	128%	2.9%	1.4%	3.8%	5.7%
1960	1.0	119%	1.1	16%	132%	1.5	24%	0.3	27%	1.9	127%	3.5%	1.4%	4.7%	7.9%
1970	6.3	118%	7.5	15%	133%	9.9	25%		28%	12.7	128%	4.6%	1.6%	6.5%	8.6%
1980	18.3	115%	21.0	13%	132%	27.8	24%	6.7	35%	38.0	135%	5.7%	1.8%	8.1%	9.1%
1990	26.8	111%	29.7	10%	142%	41.8	30%	17.1	65%	68.4	165%	6.7%	2.0%	9.6%	11.0%
2000	48.9	108%	52.7	7%	152%	79.6	34%	39.6	81%	144.2	181%	10.0%	2.3%	14.4%	16.4%
2008	72.5	108%	78.2	7%	150%	117.6	33%	59.1	82%	213.5	182%	12.6%	2.2%	18.2%	20.9%

**Table B3: Raw data on the age-wealth profile of decedents  $w_{dt}(a)$  in France, 1820-2006**

Average wealth at death as a fraction of average wealth of decedents aged 50-to-59 year-old (raw data)

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
1820	2%	8%	29%	37%	47%	100%	134%	148%	153%
1830	2%	8%	32%	39%	52%	100%	124%	142%	133%
1840	2%	8%	31%	35%	54%	100%	135%	139%	149%
1850	2%	8%	28%	37%	52%	100%	128%	144%	142%
1860	2%	8%	31%	36%	61%	100%	129%	125%	132%
1870	2%	8%	29%	38%	55%	100%	135%	159%	183%
1880	2%	8%	30%	39%	61%	100%	148%	166%	220%
1890	2%	8%	32%	43%	55%	100%	162%	182%	234%
1902	2%	8%	26%	57%	65%	100%	172%	176%	238%
1912	2%	8%	23%	54%	72%	100%	158%	178%	257%
1922	4%	10%	22%	56%	78%	100%	130%	165%	181%
1931	1%	7%	22%	59%	77%	100%	123%	137%	143%
1943	1%	5%	22%	40%	58%	100%	113%	98%	87%
1947	1%	6%	23%	52%	77%	100%	99%	76%	62%
1956	1%	4%	34%	48%	75%	100%	109%	95%	83%
1958	1%	3%	31%	46%	77%	100%	116%	99%	83%
1959	1%	3%	28%	58%	81%	100%	120%	105%	92%
1960	1%	3%	28%	52%	74%	100%	110%	101%	87%
1962	1%	2%	24%	49%	73%	100%	117%	104%	95%
1964	1%	2%	23%	48%	75%	100%	122%	114%	106%
1984	1%	2%	19%	55%	83%	100%	118%	113%	105%
1987	1%	2%	19%	55%	77%	100%	126%	113%	119%
1994	1%	2%	23%	47%	85%	100%	114%	109%	112%
2000	1%	2%	19%	46%	66%	100%	122%	121%	118%
2006	1%	2%	25%	42%	74%	100%	111%	106%	134%

**Table B4: Corrected age-wealth profiles  $w_t(a)$  in France, 1820-2006**

Differential mortality parameters by age group									
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
diffmort <sub>t</sub> (a)	200%	200%	200%	200%	200%	180%	150%	130%	110%
$m_t^P(a)/m_t(a)$	133%	133%	133%	133%	133%	129%	120%	113%	105%
$m_t^R(a)/m_t(a)$	67%	67%	67%	67%	67%	71%	80%	87%	95%
sharepoor <sub>t</sub> (a)	10%	10%	10%	10%	10%	10%	10%	10%	10%
$w_{dt}(a)/w_t(a)$	73%	73%	73%	73%	73%	77%	84%	90%	96%
$w_t(a)/w_{dt}(a)$	136%	136%	136%	136%	136%	130%	119%	112%	104%
Average wealth as a fraction of average wealth of individuals aged 50-to-59 year-old (after differential mortality correction)									
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
1820	2%	8%	31%	39%	49%	100%	123%	127%	123%
1830	2%	8%	34%	41%	55%	100%	114%	122%	107%
1840	2%	8%	33%	37%	57%	100%	124%	120%	119%
1850	2%	8%	29%	39%	55%	100%	118%	124%	114%
1860	2%	8%	33%	38%	64%	100%	118%	108%	106%
1870	2%	8%	31%	40%	58%	100%	124%	137%	147%
1880	2%	8%	32%	41%	64%	100%	136%	143%	176%
1890	2%	8%	34%	45%	58%	100%	149%	157%	188%
1902	2%	8%	27%	60%	68%	100%	158%	151%	191%
1912	2%	8%	24%	57%	76%	100%	145%	153%	206%
1922	4%	11%	23%	59%	82%	100%	119%	142%	145%
1931	1%	7%	23%	63%	81%	100%	113%	118%	115%
1943	1%	5%	23%	43%	61%	100%	104%	84%	69%
1956	1%	4%	36%	50%	79%	100%	100%	81%	67%
1958	1%	3%	33%	48%	81%	100%	106%	86%	66%
1959	1%	3%	29%	60%	85%	100%	110%	90%	74%
1960	1%	3%	30%	55%	77%	100%	101%	87%	70%
1962	1%	2%	25%	51%	77%	100%	108%	89%	76%
1964	1%	2%	24%	50%	79%	100%	112%	98%	85%
1984	1%	2%	20%	58%	87%	100%	108%	98%	84%
1987	1%	2%	20%	58%	80%	100%	116%	97%	96%
1994	1%	2%	24%	50%	89%	100%	105%	94%	90%
2000	1%	2%	20%	48%	69%	100%	112%	104%	95%
2006	1%	2%	27%	44%	78%	100%	102%	91%	108%

**Table B5: Computation of  $\mu_t$  and  $\mu_t^*$  ratios in France, 1820-2006**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
	Uniform mortality estimates					Differential mortality estimates					Final series		Ratio $W_t^{50-59}/W_t^{20+}$	Ratio $W_t^{50-59}/W_t$
	$\mu_t^{0+}$	$\mu_t^{20+}$	$cf_t$	$B_t^{20+}/B_t$	$W_t^{20+}/W_t$	$\mu_t^{0+}$	$\mu_t^{20+}$	$cf_t$	$B_t^{20+}/B_t$	$W_t^{20+}/W_t$	$\mu_t =$ $cf_t \mu_t^{20+}$	$\mu_t^* =$ $(1+v_t) \mu_t$		
1820	142%	162%	97%	98%	95%	111%	127%	97%	98%	95%	<b>123%</b>	<b>166%</b>	163%	155%
1830	136%	154%	97%	98%	95%	106%	120%	97%	98%	95%	<b>117%</b>	<b>159%</b>	162%	154%
1840	141%	156%	97%	98%	95%	110%	122%	97%	98%	95%	<b>119%</b>	<b>165%</b>	159%	151%
1850	141%	158%	97%	98%	96%	110%	124%	97%	98%	95%	<b>120%</b>	<b>161%</b>	161%	153%
1860	140%	149%	98%	98%	96%	109%	117%	97%	98%	96%	<b>114%</b>	<b>148%</b>	155%	148%
1870	163%	167%	97%	99%	96%	128%	132%	97%	99%	96%	<b>128%</b>	<b>159%</b>	150%	143%
1880	163%	171%	98%	99%	96%	129%	135%	97%	99%	96%	<b>132%</b>	<b>159%</b>	140%	134%
1890	177%	176%	98%	99%	97%	141%	140%	97%	99%	96%	<b>136%</b>	<b>161%</b>	134%	129%
1902	186%	172%	98%	99%	97%	147%	137%	97%	99%	97%	<b>133%</b>	<b>159%</b>	127%	123%
1912	201%	175%	98%	99%	97%	159%	139%	97%	99%	97%	<b>135%</b>	<b>161%</b>	128%	124%
1922	188%	161%	97%	99%	96%	148%	127%	96%	99%	96%	<b>123%</b>	<b>153%</b>	131%	125%
1931	180%	151%	98%	100%	98%	141%	119%	98%	100%	98%	<b>116%</b>	<b>145%</b>	136%	133%
1943	154%	124%	98%	100%	98%	122%	98%	98%	100%	98%	<b>96%</b>	<b>120%</b>	154%	150%
1947	137%	116%	98%	100%	98%	106%	90%	98%	100%	98%	<b>88%</b>	<b>115%</b>	149%	146%
1956	169%	127%	99%	100%	99%	132%	99%	99%	100%	99%	<b>98%</b>	<b>137%</b>	141%	138%
1958	175%	130%	99%	100%	99%	137%	102%	99%	100%	99%	<b>101%</b>	<b>128%</b>	140%	139%
1959	178%	131%	99%	100%	99%	140%	103%	99%	100%	99%	<b>102%</b>	<b>122%</b>	133%	132%
1960	180%	131%	99%	100%	99%	142%	103%	99%	100%	99%	<b>102%</b>	<b>126%</b>	141%	139%
1962	190%	136%	99%	100%	99%	150%	108%	99%	100%	99%	<b>107%</b>	<b>135%</b>	140%	139%
1964	200%	142%	99%	100%	99%	159%	113%	99%	100%	99%	<b>112%</b>	<b>142%</b>	137%	135%
1984	196%	143%	99%	100%	99%	155%	113%	99%	100%	99%	<b>112%</b>	<b>144%</b>	140%	138%
1987	204%	150%	99%	100%	99%	162%	120%	99%	100%	99%	<b>119%</b>	<b>170%</b>	139%	137%
1994	190%	144%	99%	100%	99%	151%	114%	99%	100%	99%	<b>113%</b>	<b>185%</b>	139%	138%
2000	201%	153%	99%	100%	99%	161%	123%	99%	100%	99%	<b>122%</b>	<b>220%</b>	140%	139%
2006	202%	154%	99%	100%	99%	161%	124%	99%	100%	99%	<b>123%</b>	<b>223%</b>	137%	136%











**Table C2: Population growth and mortality rates in France, 1820-2100 (decennial averages)**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
	Population (thousands)	Population growth rate	Births (thousands)	Decedents (thousands)	Migrations (thousands)	Mortality rate	Adult population (20-yr+)	Share 0- 19-yr-old in living population	Adult decedents	Share 0- 19-yr-old in decedents	Adult mortality rate	Average age of decedents	Average age of heirs
	$N_t$	$n_t$	$N_{bt}$	$N_{dt}$	$N_{it}$	$m_t^{0+} =$ $N_{dt}/N_t$	$N_t^{20+}$		$N_{dt}^{20+}$		$m_t =$ $N_{dt}^{20+}/N_t^{20+}$		
1820	31 253	<b>0.6%</b>	972	774	0	<b>2.5%</b>	18 776	39.9%	418	46.1%	<b>2.2%</b>	56.8	25.5
1830	33 113	<b>0.5%</b>	967	798	0	<b>2.4%</b>	20 068	39.4%	443	44.5%	<b>2.2%</b>	56.8	25.6
1840	34 688	<b>0.4%</b>	962	821	0	<b>2.4%</b>	21 311	38.6%	472	42.5%	<b>2.2%</b>	56.9	25.7
1850	36 056	<b>0.4%</b>	952	808	0	<b>2.2%</b>	22 697	37.1%	477	40.9%	<b>2.1%</b>	57.8	26.7
1860	37 600	<b>0.4%</b>	996	831	0	<b>2.2%</b>	23 899	36.4%	515	38.0%	<b>2.2%</b>	58.8	27.6
1870	36 920	<b>-0.3%</b>	943	835	-233	<b>2.3%</b>	23 461	36.5%	510	38.9%	<b>2.2%</b>	59.6	28.4
1880	37 717	<b>0.2%</b>	917	828	0	<b>2.2%</b>	24 237	35.7%	531	35.9%	<b>2.2%</b>	60.1	28.9
1890	38 357	<b>0.1%</b>	853	810	0	<b>2.1%</b>	25 100	34.6%	552	31.8%	<b>2.2%</b>	60.6	29.4
1900	38 743	<b>0.1%</b>	818	775	23	<b>2.0%</b>	25 575	34.0%	573	26.1%	<b>2.2%</b>	60.8	29.6
1910	39 221	<b>0.2%</b>	759	723	50	<b>1.8%</b>	26 079	33.5%	556	23.1%	<b>2.1%</b>	61.1	29.9
1920	39 689	<b>0.8%</b>	772	695	176	<b>1.8%</b>	27 459	30.8%	565	18.8%	<b>2.1%</b>	62.3	31.3
1930	41 020	<b>-0.3%</b>	668	652	-158	<b>1.6%</b>	28 649	30.2%	564	13.4%	<b>2.0%</b>	63.5	32.4
1940	39 910	<b>2.5%</b>	817	567	729	<b>1.4%</b>	27 978	29.9%	483	14.7%	<b>1.7%</b>	66.2	35.3
1950	43 195	<b>0.9%</b>	820	532	94	<b>1.2%</b>	29 842	30.9%	487	8.4%	<b>1.6%</b>	68.8	38.0
1960	48 014	<b>1.1%</b>	849	538	196	<b>1.1%</b>	31 936	33.5%	509	5.5%	<b>1.6%</b>	70.3	39.6
1970	52 244	<b>0.7%</b>	797	550	73	<b>1.1%</b>	35 470	32.1%	529	3.8%	<b>1.5%</b>	71.4	40.9
1980	55 013	<b>0.5%</b>	776	543	51	<b>1.0%</b>	38 884	29.3%	529	2.6%	<b>1.4%</b>	73.0	42.7
1990	57 606	<b>0.4%</b>	736	529	21	<b>0.9%</b>	42 351	26.5%	520	1.7%	<b>1.2%</b>	74.4	44.5
2000	60 584	<b>0.6%</b>	768	533	127	<b>0.9%</b>	45 457	25.0%	526	1.2%	<b>1.2%</b>	76.0	46.4
2010	63 743	<b>0.4%</b>	750	582	101	<b>0.9%</b>	48 423	24.0%	577	0.8%	<b>1.2%</b>	78.0	48.8
2020	66 188	<b>0.3%</b>	741	620	101	<b>0.9%</b>	50 870	23.1%	617	0.6%	<b>1.2%</b>	79.8	51.0
2030	68 279	<b>0.3%</b>	755	675	101	<b>1.0%</b>	53 057	22.3%	672	0.4%	<b>1.3%</b>	81.4	52.6
2040	69 687	<b>0.1%</b>	751	758	101	<b>1.1%</b>	54 350	22.0%	756	0.3%	<b>1.4%</b>	83.9	54.6
2050	70 446	<b>0.1%</b>	747	791	101	<b>1.1%</b>	55 093	21.8%	789	0.3%	<b>1.4%</b>	84.7	54.2
2060	70 894	<b>0.1%</b>	747	809	102	<b>1.1%</b>	55 618	21.5%	807	0.2%	<b>1.5%</b>	84.9	53.2
2070	71 313	<b>0.1%</b>	747	806	101	<b>1.1%</b>	56 052	21.4%	804	0.2%	<b>1.4%</b>	84.8	52.3
2080	71 716	<b>0.1%</b>	747	809	101	<b>1.1%</b>	56 455	21.3%	807	0.2%	<b>1.4%</b>	84.8	52.2
2090	72 066	<b>0.0%</b>	747	821	101	<b>1.1%</b>	56 804	21.2%	819	0.2%	<b>1.4%</b>	84.8	52.3
2100	72 200	<b>0.0%</b>	747	825	101	<b>1.1%</b>	56 939	21.1%	823	0.2%	<b>1.4%</b>	84.9	52.4









Table C4: Decedents by age group in France, 1820-2100 (male + female)

(thousands)	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]
	Total	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+
1820	752	308	39	49	44	45	58	84	84	41
1821	760	313	39	50	45	45	58	84	85	41
1822	766	317	38	50	45	46	58	85	86	41
1823	769	317	38	51	46	46	58	85	87	42
1824	775	320	38	51	46	47	59	85	87	42
1825	777	320	38	51	46	47	59	85	88	42
1826	783	323	38	51	47	48	59	85	88	43
1827	785	322	38	51	47	48	60	85	89	43
1828	786	321	38	51	48	49	60	86	89	43
1829	787	319	38	51	48	49	61	86	90	44
1830	788	318	38	51	49	50	62	86	90	44
1831	793	321	38	51	49	50	63	86	90	45
1832	789	314	39	51	49	51	63	86	91	45
1833	795	317	39	51	50	51	64	86	91	45
1834	800	319	39	51	50	52	65	87	91	46
1835	803	319	39	51	50	52	66	87	91	46
1836	802	315	40	51	51	53	66	88	91	46
1837	802	312	40	51	51	54	67	89	91	47
1838	804	312	40	51	51	54	68	89	92	47
1839	805	310	40	51	51	55	69	90	92	47
1840	809	311	41	51	51	55	69	92	92	47
1841	814	313	41	51	51	56	70	93	92	48
1842	817	313	41	52	51	56	71	94	92	48
1843	819	311	41	52	51	57	72	95	93	48
1844	822	311	41	52	51	57	72	96	93	48
1845	825	311	41	53	51	57	73	97	94	48
1846	826	309	41	53	51	58	74	98	94	48
1847	819	299	41	54	51	58	74	99	95	48
1848	823	299	41	54	51	58	75	101	96	48
1849	834	306	41	55	51	58	76	102	97	48
1850	804	304	40	51	46	53	70	93	99	48
1851	809	305	40	51	47	53	70	95	100	49
1852	810	302	40	51	47	53	71	96	101	49
1853	807	295	40	50	47	53	72	97	103	49
1854	804	289	39	50	47	53	72	99	104	49
1855	800	281	39	50	48	53	73	100	106	50
1856	806	284	39	50	48	53	73	101	107	50
1857	808	282	38	50	49	53	74	102	109	51
1858	813	284	38	50	49	53	74	103	110	51
1859	823	290	38	49	49	53	74	105	112	52
1860	819	283	37	49	50	53	74	106	114	53
1861	824	284	37	49	50	54	74	107	115	53
1862	826	283	37	49	50	54	74	108	117	54
1863	831	284	36	49	50	54	74	109	119	55
1864	832	283	36	49	50	55	74	110	120	56
1865	834	281	36	49	50	55	75	111	122	56
1866	835	279	35	48	50	56	75	112	123	57
1867	836	277	35	48	50	56	75	112	125	58
1868	834	272	35	48	49	57	75	113	126	59
1869	836	271	35	48	49	58	75	113	128	60
1870	838	270	35	48	49	58	75	113	129	61
1871	823	288	39	45	46	55	71	96	129	55
1872	833	295	39	45	46	55	71	96	130	56
1873	835	294	39	45	46	55	72	97	131	57
1874	837	293	39	44	46	55	72	97	131	58
1875	837	291	39	44	46	55	73	98	133	59
1876	839	290	39	44	46	55	74	98	134	59
1877	837	286	39	44	46	55	74	98	134	60
1878	835	281	39	44	46	55	75	99	135	61
1879	834	278	39	44	46	55	76	99	136	61
1880	831	273	39	44	46	55	77	99	137	62
1881	833	272	39	44	46	55	77	100	138	63
1882	833	270	38	44	46	55	78	101	139	63
1883	833	268	38	44	46	56	78	101	139	64
1884	833	266	37	44	45	56	78	102	140	64
1885	831	262	37	45	45	55	78	103	141	65



1886	828	257	36	45	45	55	78	104	141	65
1887	825	252	36	45	45	56	78	105	142	66
1888	821	246	36	46	45	55	78	106	142	66
1889	818	242	35	46	45	55	78	108	143	66
1890	811	234	35	45	45	56	78	109	143	67
1891	812	233	34	45	46	56	78	110	144	67
1892	811	230	35	45	46	56	78	110	145	68
1893	813	230	34	44	46	56	78	110	147	68
1894	811	226	34	44	46	56	78	110	148	68
1895	807	220	34	44	47	55	78	111	150	69
1896	810	220	34	44	47	55	78	111	152	69
1897	810	219	33	43	48	55	78	111	153	69
1898	807	214	33	43	48	56	78	111	155	69
1899	808	213	33	43	48	56	78	111	157	69
1900	802	209	33	44	47	56	78	107	154	74
1901	791	191	28	47	49	57	79	120	146	75
1902	767	182	27	46	47	56	77	117	142	73
1903	759	178	27	45	46	54	74	117	143	75
1904	767	181	27	45	45	54	75	118	145	77
1905	775	170	27	45	47	58	79	124	148	79
1906	785	179	27	45	48	59	79	124	148	78
1907	797	160	26	46	50	63	83	131	158	80
1908	749	156	25	43	47	59	79	121	145	74
1909	760	144	24	42	47	59	81	128	154	80
1910	708	137	23	40	45	56	75	117	141	73
1911	780	174	25	42	46	56	78	123	154	83
1912	697	129	23	40	46	55	76	116	140	71
1913	707	134	24	39	46	55	75	117	143	74
1914	915	104	80	185	109	57	69	107	135	70
1915	952	101	63	208	131	66	71	108	135	68
1916	812	79	46	151	103	58	69	105	133	69
1917	731	78	37	102	75	52	69	107	138	73
1918	934	105	56	167	131	79	82	113	135	67
1919	633	81	27	52	49	51	70	104	131	69
1920	678	119	26	38	40	51	76	112	141	74
1921	698	130	25	37	38	52	77	116	145	78
1922	692	98	22	36	38	55	79	122	157	85
1923	670	110	22	36	36	52	76	115	144	79
1924	683	97	22	37	37	54	79	121	152	84
1925	712	106	23	38	38	56	82	125	154	90
1926	717	113	23	39	38	55	81	125	153	89
1927	680	98	21	38	36	50	77	121	151	89
1928	678	106	20	37	35	49	77	122	148	85
1929	743	108	19	39	38	53	85	135	168	98
1930	653	92	17	36	37	50	79	121	143	79
1931	683	88	16	36	37	49	80	125	158	94
1932	664	87	15	33	36	48	81	122	152	89
1933	664	80	14	31	37	49	81	124	155	93
1934	638	76	12	30	37	47	79	121	150	86
1935	662	69	12	30	39	49	82	127	159	95
1936	646	67	12	27	37	47	78	125	159	93
1937	633	64	13	26	38	47	76	123	156	91
1938	651	62	13	25	38	49	77	126	163	98
1939	623	56	12	21	34	45	72	122	162	97
1940	850	73	20	87	75	57	82	143	191	122
1941	665	58	14	24	37	52	77	129	169	104
1942	658	57	16	31	36	46	70	128	169	105
1943	697	65	26	67	49	51	66	118	157	98
1944	857	73	38	109	78	75	77	128	170	109
1945	665	102	16	39	37	45	61	113	154	98
1946	547	76	10	16	21	34	54	102	143	91
1947	538	73	8	15	18	35	53	98	144	93
1948	513	59	7	14	17	36	54	97	140	90
1949	574	64	6	13	15	36	57	105	165	112
1950	535	54	5	12	14	35	57	99	154	104
1951	566	52	5	11	14	36	61	104	166	117
1952	525	47	4	10	13	33	59	98	155	107
1953	557	42	4	10	12	34	63	102	168	122
1954	519	41	4	9	12	32	61	96	152	112
1955	526	39	4	9	11	31	62	96	155	119
1956	546	36	3	8	12	31	65	99	161	130
1957	532	35	4	9	12	28	65	99	155	126

1958	501	32	3	8	12	24	59	91	146	125
1959	509	31	4	8	13	23	61	93	147	129
1960	521	28	3	7	13	22	62	97	150	138
1961	500	27	4	7	13	22	60	95	142	131
1962	541	27	4	7	14	22	62	103	154	148
1963	558	27	4	7	13	23	63	109	158	152
1964	520	26	5	7	13	21	59	105	145	139
1965	544	24	5	7	13	22	60	110	152	150
1966	529	23	5	7	13	23	57	110	145	145
1967	543	22	5	7	13	25	55	113	150	153
1968	553	22	6	7	12	26	52	114	155	159
1969	573	21	6	8	13	29	52	121	164	160
1970	542	20	6	8	12	28	46	110	154	158
1971	554	20	6	9	12	29	46	111	158	164
1972	550	18	6	9	12	29	45	109	160	161
1973	559	18	6	9	11	28	44	107	165	170
1974	553	16	6	9	11	28	44	104	166	169
1975	560	14	6	9	10	29	44	104	170	175
1976	557	13	6	10	10	28	46	99	171	175
1977	536	12	6	10	10	27	47	90	165	170
1978	547	11	6	9	10	27	50	87	168	180
1979	542	11	6	10	10	25	53	81	165	181
1980	547	11	6	10	11	25	54	76	166	189
1981	555	11	5	9	11	24	53	75	167	199
1982	543	10	5	9	12	23	53	74	161	197
1983	560	10	5	10	12	22	53	73	163	213
1984	542	9	5	10	12	21	51	71	157	207
1985	552	9	4	9	13	21	51	70	157	219
1986	547	9	4	9	13	20	50	72	149	221
1987	527	8	4	9	13	20	47	75	137	215
1988	525	8	4	9	13	20	46	78	129	218
1989	529	8	4	9	13	21	44	81	122	227
1990	526	8	4	9	13	21	42	82	115	232
1991	525	8	4	9	14	22	40	82	113	233
1992	522	7	3	9	14	23	39	80	111	235
1993	532	6	3	9	14	24	38	80	111	247
1994	520	6	3	9	14	25	37	78	107	242
1995	532	5	3	8	14	26	36	78	108	254
1996	536	5	3	7	13	26	36	77	114	256
1997	530	5	3	7	11	25	36	74	120	249
1998	534	5	3	6	11	25	36	72	128	248
1999	538	5	3	7	11	25	37	73	129	250
2000	535	5	3	6	10	25	38	69	138	242
2001	531	5	3	6	10	25	40	65	134	244
2002	535	4	2	6	10	24	42	63	132	252
2003	552	4	2	5	10	24	44	62	134	268
2004	509	4	2	5	9	22	43	57	123	243
2005	528	4	2	5	9	22	45	57	124	260
2006	516	4	2	4	8	21	46	56	119	255
2007	521	4	2	4	8	21	46	57	116	264
2008	547	4	2	5	8	22	44	59	121	283
2009	552	4	2	5	8	21	43	60	119	290
2010	557	3	2	4	8	21	42	61	117	297
2011	562	3	2	4	8	21	41	63	114	305
2012	568	3	2	4	8	21	41	66	111	314
2013	574	3	2	4	7	20	40	67	108	322
2014	580	3	2	4	7	20	40	69	107	329
2015	586	3	2	4	7	20	39	70	105	337
2016	592	3	2	4	7	19	39	71	104	343
2017	597	3	2	4	7	19	38	70	105	349
2018	601	3	2	4	7	19	38	69	108	353
2019	605	3	2	3	7	18	37	68	110	357
2020	608	3	2	3	7	18	37	66	113	360
2021	611	2	2	3	6	18	36	65	117	361
2022	613	2	2	3	6	17	36	64	121	361
2023	616	2	1	3	6	17	35	63	125	362
2024	618	2	1	3	6	16	35	63	128	363
2025	621	2	1	3	6	16	34	62	131	365
2026	624	2	1	3	6	16	33	61	134	367
2027	627	2	1	3	6	16	32	61	133	373
2028	630	2	1	3	6	16	32	60	131	380
2029	635	2	1	3	5	16	31	59	129	388

2030	639	2	1	3	5	16	30	58	127	397
2031	645	2	1	3	5	15	30	57	125	406
2032	651	2	1	3	5	15	29	57	124	416
2033	659	2	1	3	5	15	28	56	122	426
2034	667	2	1	3	5	15	28	55	121	438
2035	676	2	1	2	5	14	27	54	120	450
2036	686	2	1	2	5	14	27	53	119	463
2037	697	2	1	2	5	14	27	52	118	476
2038	708	2	1	2	5	14	26	51	117	490
2039	719	2	1	2	5	13	26	50	116	504
2040	729	2	1	2	5	13	26	49	114	517
2041	739	2	1	2	5	13	25	48	113	530
2042	747	1	1	2	5	13	25	47	112	542
2043	755	1	1	2	5	13	24	46	111	552
2044	760	1	1	2	4	13	24	44	110	561
2045	765	1	1	2	4	13	23	44	108	569
2046	768	1	1	2	4	13	23	43	106	576
2047	771	1	1	2	4	13	22	43	103	582
2048	773	1	1	2	4	12	22	42	102	586
2049	775	1	1	2	4	12	22	42	100	591
2050	783	1	1	2	4	12	22	42	100	600
2051	769	1	1	2	4	12	22	42	100	586
2052	776	1	1	2	4	12	22	42	99	594
2053	783	1	1	2	4	12	22	42	98	601
2054	789	1	1	2	4	12	22	42	97	608
2055	794	1	1	2	4	12	22	42	97	613
2056	799	1	1	2	4	12	22	42	98	617
2057	803	1	1	2	4	12	22	41	99	620
2058	806	1	1	2	4	12	23	41	100	623
2059	809	1	1	2	4	12	23	41	101	624
2060	811	1	1	2	4	12	23	41	101	625
2061	812	1	1	2	4	12	23	41	101	627
2062	812	1	1	2	4	12	23	41	100	628
2063	812	1	1	2	4	12	23	41	100	628
2064	811	1	1	2	4	12	23	42	100	627
2065	810	1	1	2	4	12	23	42	100	625
2066	809	1	1	2	4	12	22	42	100	624
2067	807	1	1	2	4	12	22	43	99	623
2068	806	1	1	2	4	12	22	43	99	622
2069	805	1	1	2	4	12	22	43	99	621
2070	804	1	1	2	4	12	22	43	98	620
2071	803	1	1	2	4	12	22	43	98	619
2072	803	1	1	2	4	12	22	43	99	619
2073	803	1	1	2	4	12	22	43	99	619
2074	804	1	1	2	4	12	22	43	100	619
2075	806	1	1	2	4	12	22	43	101	620
2076	807	1	1	2	4	12	22	43	102	621
2077	809	1	1	2	4	12	22	43	102	622
2078	809	1	1	2	4	12	22	43	103	621
2079	810	1	1	2	4	12	22	43	104	621
2080	810	1	1	2	4	12	22	43	104	621
2081	809	1	1	2	4	12	22	43	104	620
2082	808	1	1	2	4	12	22	43	103	620
2083	808	1	1	2	4	12	22	42	103	620
2084	808	1	1	2	4	12	22	42	103	620
2085	808	1	1	2	4	12	22	42	103	620
2086	808	1	1	2	4	12	22	42	103	621
2087	809	1	1	2	4	12	22	42	103	621
2088	809	1	1	2	4	12	22	42	102	622
2089	811	1	1	2	4	12	23	42	102	624
2090	812	1	1	2	4	12	23	42	102	625
2091	814	1	1	2	4	12	23	42	102	628
2092	817	1	1	2	4	12	23	42	102	630
2093	819	1	1	2	4	12	23	42	102	632
2094	822	1	1	2	4	12	23	43	102	635
2095	824	1	1	2	4	12	23	43	101	637
2096	825	1	1	2	4	12	23	43	101	638
2097	826	1	1	2	4	12	23	43	101	639
2098	826	1	1	2	4	12	23	43	101	640
2099	826	1	1	2	4	12	22	43	101	639
2100	825	1	1	2	4	12	22	43	101	639

Table C5: Average age of parenthood in France, 1900-2050

Year of birth of children	[1] [2] [3]			Year of birth of parents	[4] [5]		Year of death of parents	[6] [7]	
	Average age of parents at the birth of their children				Average age of parents at the birth of their children			Average age of parents at the birth of their children	
	Mothers	Fathers	Diff.		Mothers	Fathers		Mothers	Fathers
1901	29.37	34.06	4.69	1870	28.80	33.49	1900	28.78	33.47
1902	29.33	34.00	4.67	1871	28.76	33.45	1901	28.78	33.47
1903	29.36	33.99	4.63	1872	28.72	33.39	1902	28.78	33.47
1904	29.33	33.82	4.49	1873	28.67	33.30	1903	28.77	33.46
1905	29.25	33.80	4.55	1874	28.63	33.12	1904	28.77	33.46
1906	29.22	33.71	4.49	1875	28.58	33.13	1905	28.77	33.46
1907	28.97	33.82	4.85	1876	28.54	33.03	1906	28.76	33.46
1908	28.92	33.77	4.85	1877	28.50	33.35	1907	28.76	33.46
1909	28.88	33.71	4.83	1878	28.46	33.31	1908	28.76	33.45
				1879	28.43	33.26	1909	28.76	33.45
1910	28.87	33.69	4.82	1880	28.40	33.22	1910	28.75	33.44
1911	28.81	33.62	4.81	1881	28.37	33.18	1911	28.75	33.44
1912	28.74	33.55	4.81	1882	28.35	33.16	1912	28.75	33.43
1913	28.72	33.47	4.75	1883	28.33	33.08	1913	28.75	33.43
1914	28.75	33.53	4.78	1884	28.31	33.09	1914	28.76	33.26
1915	29.48	34.38	4.90	1885	28.30	33.20	1915	28.76	33.26
1916	30.03	34.86	4.83	1886	28.32	33.14	1916	28.76	33.29
1917	30.01	34.71	4.70	1887	28.36	33.06	1917	28.76	33.33
1918	30.18	34.75	4.57	1888	28.45	33.01	1918	28.74	33.29
1919	30.13	34.60	4.47	1889	28.55	33.01	1919	28.75	33.38
1920	29.27	33.33	4.06	1890	28.66	32.73	1920	28.75	33.41
1921	28.71	32.78	4.07	1891	28.79	32.86	1921	28.75	33.40
1922	28.71	32.78	4.07	1892	28.92	32.99	1922	28.75	33.40
1923	28.72	32.83	4.11	1893	29.02	33.13	1923	28.74	33.39
1924	28.67	32.87	4.20	1894	29.07	33.27	1924	28.74	33.38
1925	28.59	32.86	4.27	1895	29.05	33.32	1925	28.74	33.37
1926	28.52	32.79	4.27	1896	28.95	33.22	1926	28.73	33.36
1927	28.45	32.73	4.28	1897	28.79	33.07	1927	28.73	33.36
1928	28.46	32.77	4.31	1898	28.61	32.92	1928	28.72	33.35
1929	28.35	32.62	4.27	1899	28.44	32.71	1929	28.72	33.34
1930	28.26	32.55	4.29	1900	28.34	32.63	1930	28.72	33.33
1931	28.16	32.44	4.28	1901	28.27	32.55	1931	28.72	33.33
1932	28.20	32.46	4.26	1902	28.25	32.51	1932	28.72	33.32
1933	28.11	32.37	4.26	1903	28.26	32.52	1933	28.71	33.31
1934	28.03	32.27	4.24	1904	28.29	32.54	1934	28.71	33.29
1935	27.92	32.19	4.27	1905	28.35	32.62	1935	28.71	33.28
1936	27.90	32.20	4.30	1906	28.41	32.71	1936	28.71	33.27
1937	27.90	32.16	4.26	1907	28.46	32.72	1937	28.70	33.26
1938	27.88	32.09	4.21	1908	28.51	32.72	1938	28.70	33.24
1939	27.88	32.08	4.20	1909	28.61	32.81	1939	28.70	33.24
1940	28.42	32.51	4.09	1910	28.67	32.76	1940	28.70	33.02
1941	28.66	32.51	3.85	1911	28.67	32.52	1941	28.69	33.20
1942	28.62	32.21	3.59	1912	28.72	32.31	1942	28.68	33.16
1943	28.39	31.67	3.28	1913	28.73	32.01	1943	28.66	33.02
1944	28.56	31.87	3.31	1914	28.69	32.00	1944	28.64	32.90
1945	28.58	31.91	3.33	1915	28.67	32.00	1945	28.65	33.06
1946	28.77	32.07	3.30	1916	28.65	31.95	1946	28.64	33.14
1947	28.37	31.70	3.33	1917	28.60	31.93	1947	28.64	33.13
1948	28.30	31.77	3.47	1918	28.54	32.01	1948	28.63	33.11
1949	28.21	31.73	3.52	1919	28.53	32.05	1949	28.62	33.12
1950	28.16	31.69	3.53	1920	28.40	31.93	1950	28.61	33.09
1951	28.10	31.62	3.52	1921	28.31	31.83	1951	28.61	33.08
1952	28.10	31.71	3.61	1922	28.23	31.84	1952	28.59	33.06
1953	28.01	31.62	3.61	1923	28.12	31.73	1953	28.59	33.05
1954	28.01	31.65	3.64	1924	27.94	31.58	1954	28.57	33.02
1955	27.93	31.58	3.65	1925	27.77	31.43	1955	28.57	33.00
1956	27.85	31.48	3.63	1926	27.68	31.31	1956	28.56	32.98
1957	27.87	31.55	3.68	1927	27.55	31.23	1957	28.55	32.95
1958	27.81	31.54	3.73	1928	27.48	31.21	1958	28.54	32.93
1959	27.74	31.48	3.74	1929	27.47	31.21	1959	28.53	32.91

1960	27.60	31.32	3.72	1930	27.46	31.18	1960	28.52	32.89
1961	27.55	31.24	3.69	1931	27.41	31.10	1961	28.51	32.85
1962	27.49	31.15	3.66	1932	27.34	31.00	1962	28.51	32.84
1963	27.41	30.96	3.55	1933	27.28	30.83	1963	28.50	32.81
1964	27.35	30.75	3.40	1934	27.17	30.57	1964	28.50	32.77
1965	27.28	30.55	3.27	1935	27.09	30.36	1965	28.50	32.74
1966	27.30	30.41	3.11	1936	26.97	30.08	1966	28.49	32.70
1967	27.31	30.29	2.98	1937	26.82	29.80	1967	28.49	32.68
1968	27.29	30.18	2.89	1938	26.72	29.61	1968	28.49	32.65
1969	27.27	30.12	2.85	1939	26.56	29.41	1969	28.50	32.61
1970	27.16	29.97	2.81	1940	26.43	29.24	1970	28.49	32.58
1971	27.11	29.92	2.81	1941	26.24	29.05	1971	28.49	32.54
1972	26.98	29.83	2.85	1942	26.10	28.96	1972	28.49	32.50
1973	26.88	29.78	2.90	1943	26.00	28.90	1973	28.50	32.48
1974	26.78	29.75	2.97	1944	25.97	28.94	1974	28.50	32.44
1975	26.67	29.70	3.03	1945	25.95	28.98	1975	28.50	32.41
1976	26.55	29.59	3.04	1946	26.00	29.04	1976	28.50	32.37
1977	26.52	29.57	3.05	1947	26.13	29.18	1977	28.49	32.32
1978	26.59	29.69	3.10	1948	26.25	29.35	1978	28.49	32.30
1979	26.70	29.84	3.14	1949	26.32	29.46	1979	28.48	32.25
1980	26.81	29.96	3.15	1950	26.50	29.65	1980	28.47	32.21
1981	26.98	30.18	3.20	1951	26.58	29.78	1981	28.47	32.18
1982	27.06	30.28	3.22	1952	26.72	29.94	1982	28.45	32.13
1983	27.11	30.37	3.26	1953	26.83	30.09	1983	28.44	32.10
1984	27.25	30.50	3.25	1954	26.94	30.19	1984	28.42	32.05
1985	27.47	30.69	3.22	1955	27.03	30.24	1985	28.41	32.01
1986	27.65	30.87	3.22	1956	27.14	30.36	1986	28.39	31.96
1987	27.86	31.06	3.20	1957	27.26	30.46	1987	28.37	31.91
1988	28.03	31.22	3.19	1958	27.40	30.59	1988	28.35	31.87
1989	28.18	31.36	3.18	1959	27.57	30.75	1989	28.33	31.82
1990	28.31	31.48	3.17	1960	27.71	30.88	1990	28.32	31.78
1991	28.39	31.52	3.13	1961	27.89	31.02	1991	28.30	31.72
1992	28.54	31.67	3.13	1962	28.07	31.20	1992	28.29	31.68
1993	28.66	31.79	3.13	1963	28.29	31.42	1993	28.27	31.64
1994	28.81	31.93	3.12	1964	28.51	31.63	1994	28.26	31.58
1995	28.97	32.03	3.06	1965	28.73	31.79	1995	28.25	31.55
1996	29.10	32.15	3.05	1966	28.93	31.98	1996	28.23	31.51
1997	29.19	32.23	3.04	1967	29.11	32.15	1997	28.22	31.46
1998	29.30	32.32	3.02	1968	29.26	32.28	1998	28.21	31.41
1999	29.34	32.36	3.02	1969	29.44	32.46	1999	28.19	31.36
2000	29.37	32.37	3.00	1970	29.62	32.62	2000	28.17	31.31
2001	29.39	32.42	3.03	1971	29.79	32.82	2001	28.15	31.26
2002	29.47	32.50	3.03	1972	29.97	33.00	2002	28.13	31.21
2003	29.55	32.59	3.04	1973	30.10	33.14	2003	28.11	31.16
2004	29.59	32.63	3.04	1974	30.22	33.26	2004	28.06	31.10
2005	29.70	32.74	3.04	1975	30.33	33.37	2005	28.04	31.07
2006	29.80	32.84	3.04	1976	30.45	33.49	2006	27.99	31.01
2007	29.90	32.94	3.04	1977	30.55	33.59	2007	27.96	30.97
2008	29.90	32.94	3.04	1978	30.64	33.68	2008	27.94	30.95
				1979	30.72	33.76	2009	27.90	30.91
				1980	30.81	33.85	2010	27.86	30.87
				1981	30.90	33.94	2011	27.81	30.83
				1982	31.01	34.05	2012	27.77	30.79









2032	80.8	77.7	84.1	52.1	47.3	57.1	56.0	28.7	24.8
2033	81.0	78.0	84.2	52.3	47.6	57.3	56.2	28.7	24.8
2034	81.2	78.2	84.3	52.5	47.8	57.4	56.4	28.7	24.8
2035	81.4	78.5	84.5	52.7	48.1	57.6	56.6	28.7	24.8
2036	81.7	78.8	84.7	52.9	48.3	57.8	56.8	28.8	24.8
2037	81.9	79.1	84.9	53.1	48.5	58.0	57.1	28.8	24.9
2038	82.2	79.4	85.1	53.4	48.8	58.2	57.3	28.8	24.9
2039	82.5	79.7	85.4	53.6	49.0	58.4	57.6	28.9	24.9
2040	82.8	80.0	85.6	53.9	49.2	58.6	57.8	28.9	25.0
2041	83.1	80.3	85.9	54.1	49.4	58.8	58.1	29.0	25.0
2042	83.4	80.5	86.2	54.3	49.6	59.0	58.3	29.1	25.0
2043	83.6	80.8	86.4	54.5	49.7	59.2	58.5	29.1	25.1
2044	83.8	81.0	86.6	54.6	49.8	59.3	58.7	29.2	25.2
2045	84.0	81.2	86.8	54.7	49.9	59.4	58.8	29.3	25.2
2046	84.2	81.3	87.0	54.8	49.9	59.5	58.9	29.4	25.3
2047	84.4	81.5	87.2	54.9	50.0	59.6	59.0	29.5	25.4
2048	84.5	81.7	87.3	54.9	50.1	59.6	59.1	29.6	25.4
2049	84.7	81.8	87.5	55.0	50.1	59.6	59.2	29.7	25.5
2050	84.8	81.9	87.5	54.9	50.1	59.6	59.2	29.9	25.6
2051	84.4	81.8	87.1	54.4	49.8	58.9	58.7	30.1	25.7
2052	84.5	81.8	87.1	54.3	49.8	58.8	58.7	30.2	25.8
2053	84.6	81.9	87.2	54.3	49.7	58.8	58.7	30.3	25.9
2054	84.6	82.0	87.3	54.2	49.7	58.7	58.6	30.4	26.0
2055	84.7	82.1	87.3	54.1	49.6	58.6	58.6	30.6	26.1
2056	84.8	82.1	87.4	54.0	49.6	58.5	58.5	30.7	26.2
2057	84.8	82.2	87.4	53.9	49.5	58.4	58.5	30.9	26.3
2058	84.8	82.2	87.4	53.9	49.5	58.3	58.4	31.0	26.4
2059	84.9	82.3	87.5	53.8	49.4	58.2	58.4	31.1	26.5
2060	84.9	82.3	87.5	53.7	49.3	58.0	58.3	31.2	26.6
2061	84.9	82.4	87.5	53.5	49.2	57.9	58.3	31.4	26.7
2062	84.9	82.4	87.5	53.4	49.1	57.8	58.2	31.5	26.7
2063	84.9	82.4	87.5	53.3	49.1	57.7	58.1	31.6	26.8
2064	84.9	82.4	87.5	53.2	49.0	57.5	58.0	31.7	26.9
2065	84.9	82.4	87.5	53.1	48.9	57.4	57.9	31.8	27.0
2066	84.9	82.4	87.5	53.0	48.8	57.3	57.9	31.9	27.1
2067	84.9	82.4	87.5	52.9	48.7	57.1	57.8	32.0	27.1
2068	84.9	82.4	87.5	52.8	48.7	57.0	57.7	32.1	27.2
2069	84.8	82.4	87.4	52.7	48.6	56.9	57.6	32.2	27.2
2070	84.8	82.4	87.4	52.6	48.5	56.8	57.5	32.3	27.3
2071	84.8	82.4	87.4	52.5	48.5	56.7	57.5	32.3	27.3
2072	84.8	82.4	87.3	52.4	48.4	56.6	57.4	32.4	27.4
2073	84.8	82.4	87.3	52.3	48.4	56.5	57.4	32.4	27.4
2074	84.8	82.4	87.3	52.3	48.4	56.4	57.3	32.5	27.4
2075	84.8	82.4	87.3	52.3	48.4	56.4	57.3	32.5	27.4
2076	84.8	82.4	87.3	52.3	48.4	56.4	57.3	32.5	27.5
2077	84.8	82.4	87.3	52.3	48.4	56.4	57.3	32.5	27.5
2078	84.8	82.4	87.4	52.3	48.4	56.4	57.3	32.5	27.5
2079	84.8	82.4	87.4	52.3	48.4	56.4	57.3	32.6	27.5
2080	84.8	82.4	87.4	52.3	48.4	56.4	57.3	32.6	27.5
2081	84.8	82.4	87.4	52.2	48.4	56.3	57.3	32.6	27.5
2082	84.8	82.4	87.3	52.2	48.4	56.3	57.3	32.6	27.5
2083	84.8	82.4	87.3	52.2	48.3	56.3	57.3	32.6	27.5
2084	84.8	82.4	87.3	52.2	48.3	56.3	57.3	32.6	27.5
2085	84.8	82.4	87.3	52.2	48.3	56.3	57.3	32.6	27.5
2086	84.7	82.4	87.3	52.2	48.3	56.3	57.2	32.6	27.5
2087	84.7	82.4	87.3	52.1	48.3	56.3	57.2	32.6	27.5
2088	84.7	82.4	87.2	52.1	48.3	56.2	57.2	32.6	27.5
2089	84.7	82.4	87.2	52.1	48.4	56.2	57.2	32.6	27.5
2090	84.7	82.4	87.2	52.1	48.4	56.2	57.2	32.6	27.5
2091	84.7	82.4	87.2	52.2	48.4	56.2	57.2	32.6	27.5
2092	84.8	82.5	87.2	52.2	48.4	56.2	57.3	32.6	27.5
2093	84.8	82.5	87.3	52.2	48.5	56.3	57.3	32.6	27.5
2094	84.8	82.5	87.3	52.2	48.5	56.3	57.3	32.6	27.5
2095	84.9	82.6	87.3	52.3	48.5	56.3	57.4	32.6	27.5
2096	84.9	82.6	87.4	52.3	48.5	56.4	57.4	32.6	27.5
2097	84.9	82.6	87.4	52.3	48.6	56.4	57.4	32.6	27.5
2098	84.9	82.6	87.4	52.3	48.6	56.4	57.4	32.6	27.5
2099	84.9	82.6	87.4	52.4	48.6	56.4	57.4	32.6	27.5
2100	84.9	82.6	87.4	52.4	48.6	56.4	57.4	32.6	27.5

**Table C7: Average age of decedents and donors, France 1906-2006**

	[1]	[2]	[3]	[4]	[5]	[6]
	Average age of decedents			Average age of donors	Difference: [5] = [1] - [4]	Difference: [5] = [2] - [4]
	Decedents with estate tax returns (20-yr-old +)	All decedents (20-yr-old +)	Difference: [3] = [1] - [2]			
1906	63.0	60.8	2.2			
1908	62.8	60.7	2.0			
1928	64.7	62.6	2.1			
1934	65.4	63.1	2.3			
1943	64.7	60.7	4.0			
1947	66.9	66.7	0.2			
1956	69.7	69.3	0.4			
1958	69.8	69.5	0.3			
1959	69.9	69.6	0.3			
1960	70.4	69.9	0.4			
1962	70.9	70.3	0.6	64.8	6.1	5.5
1964	71.1	70.1	1.0	65.3	5.8	4.8
1977	72.5	71.6	0.9	66.5	6.0	5.1
1984	73.7	72.8	0.9	66.8	6.9	6.0
1987	74.4	73.3	1.1	66.2	8.2	7.1
1994	76.2	74.1	2.1	67.0	9.2	7.1
2000	77.0	75.5	1.5	68.5	8.5	7.0
2006	77.8	76.0	1.8	70.0	7.8	6.0

**Table C8: Average age of donors and donees in France, 1820-2100**

	[1]	[2]	[3]	[4]	[5]	[6]
	Average age of donors	Average age of donees	Age diff. donors vs donees	Average age of decedents and donors	Average age of heirs and donees	Age diff. givers vs receivers
	(weighted by relative importance of bequests and gifts)					
1820	49.8	18.7	31.1	55.0	27.2	27.8
1821	49.8	18.6	31.1	55.0	27.2	27.8
1822	49.8	18.6	31.1	54.9	27.2	27.8
1823	49.8	18.6	31.1	54.9	27.2	27.8
1824	49.7	18.6	31.1	54.9	27.2	27.7
1825	49.7	18.6	31.1	54.9	27.2	27.7
1826	49.7	18.6	31.1	54.9	27.2	27.7
1827	49.7	18.6	31.1	54.9	27.2	27.7
1828	49.7	18.6	31.1	54.9	27.2	27.7
1829	49.7	18.6	31.1	54.9	27.2	27.7
1830	49.7	18.6	31.1	55.0	27.3	27.7
1831	49.7	18.6	31.1	54.8	26.9	27.8
1832	49.7	18.6	31.1	55.1	27.4	27.6
1833	49.8	18.6	31.1	54.9	27.2	27.7
1834	49.8	18.6	31.1	54.9	27.1	27.7
1835	49.8	18.6	31.1	54.9	27.2	27.7
1836	49.8	18.6	31.1	54.9	27.1	27.8
1837	49.8	18.6	31.1	55.0	27.3	27.7
1838	49.8	18.7	31.1	54.8	27.0	27.8
1839	49.8	18.7	31.1	54.8	27.0	27.8
1840	49.8	18.7	31.1	54.9	27.0	27.8
1841	49.8	18.7	31.1	54.9	27.1	27.8
1842	49.8	18.7	31.1	54.9	27.1	27.8
1843	49.8	18.7	31.1	54.8	26.9	27.9
1844	49.8	18.7	31.1	54.8	27.0	27.8
1845	49.8	18.7	31.1	54.8	26.9	27.9
1846	49.9	18.7	31.1	54.7	26.8	27.9
1847	49.9	18.7	31.1	55.0	27.3	27.7
1848	49.9	18.7	31.1	55.1	27.4	27.7
1849	49.9	18.8	31.1	55.1	27.4	27.7
1850	50.5	19.4	31.1	55.7	28.1	27.7
1851	50.6	19.4	31.1	55.7	28.0	27.7
1852	50.6	19.5	31.1	56.0	28.4	27.6
1853	50.7	19.6	31.1	55.9	28.2	27.7
1854	50.8	19.6	31.1	55.9	28.2	27.7
1855	50.8	19.7	31.1	56.2	28.5	27.6
1856	50.9	19.8	31.1	56.1	28.5	27.7
1857	51.0	19.9	31.1	56.2	28.5	27.7
1858	51.1	20.0	31.1	56.4	28.8	27.6
1859	51.2	20.1	31.1	56.5	28.9	27.6
1860	51.3	20.2	31.1	56.7	29.1	27.6
1861	51.4	20.3	31.1	56.6	28.9	27.7
1862	51.5	20.4	31.1	56.8	29.1	27.6
1863	51.6	20.5	31.1	56.9	29.3	27.6
1864	51.7	20.6	31.1	57.1	29.5	27.6
1865	51.8	20.7	31.1	57.2	29.6	27.6
1866	51.9	20.8	31.1	57.3	29.8	27.5
1867	52.0	20.8	31.1	57.4	29.9	27.5
1868	52.1	21.0	31.1	57.6	30.0	27.5
1869	52.2	21.1	31.1	57.7	30.2	27.5
1870	52.3	21.1	31.1	58.1	30.7	27.3
1871	52.3	21.1	31.1	58.3	31.2	27.1
1872	52.3	21.2	31.1	57.7	30.2	27.6
1873	52.4	21.3	31.1	57.8	30.3	27.6
1874	52.5	21.4	31.1	58.1	30.6	27.5
1875	52.6	21.5	31.1	58.2	30.7	27.5
1876	52.7	21.6	31.1	58.4	31.0	27.4
1877	52.8	21.6	31.1	58.4	31.0	27.4
1878	52.9	21.7	31.1	58.5	31.1	27.4
1879	52.9	21.8	31.1	58.6	31.2	27.4
1880	52.9	21.8	31.1	58.7	31.3	27.4
1881	53.0	21.9	31.1	58.7	31.3	27.4
1882	53.0	21.9	31.1	58.8	31.4	27.4
1883	53.1	21.9	31.1	58.8	31.5	27.3

1884	53.1	22.0	31.1	58.9	31.6	27.3
1885	53.1	22.0	31.1	59.0	31.7	27.3
1886	53.2	22.0	31.1	59.0	31.7	27.3
1887	53.2	22.1	31.1	59.1	31.8	27.3
1888	53.2	22.1	31.1	59.1	31.9	27.3
1889	53.3	22.1	31.1	59.1	31.8	27.3
1890	53.3	22.2	31.1	59.3	32.1	27.2
1891	53.4	22.2	31.1	59.3	32.0	27.2
1892	53.4	22.3	31.1	59.5	32.3	27.2
1893	53.5	22.4	31.1	59.4	32.2	27.2
1894	53.6	22.4	31.1	59.5	32.2	27.2
1895	53.6	22.5	31.1	59.6	32.3	27.2
1896	53.7	22.5	31.1	59.6	32.3	27.2
1897	53.7	22.6	31.1	59.6	32.4	27.2
1898	53.7	22.6	31.1	59.6	32.4	27.3
1899	53.8	22.7	31.1	59.7	32.5	27.2
1900	53.9	22.8	31.1	60.0	32.8	27.2
1901	53.5	22.4	31.1	59.3	32.0	27.3
1902	53.5	22.3	31.1	59.4	32.1	27.3
1903	53.8	22.7	31.1	59.7	32.4	27.3
1904	54.0	22.8	31.1	59.9	32.7	27.2
1905	53.9	22.8	31.1	59.9	32.7	27.2
1906	53.8	22.7	31.1	59.7	32.4	27.3
1907	53.9	22.8	31.1	59.8	32.6	27.3
1908	53.7	22.6	31.1	59.6	32.4	27.2
1909	54.3	23.1	31.1	60.2	32.9	27.3
1910	54.0	22.9	31.1	59.8	32.5	27.3
1911	54.5	23.4	31.1	60.4	33.1	27.2
1912	53.8	22.7	31.1	59.7	32.5	27.3
1913	54.1	23.0	31.1	60.0	32.7	27.3
1914	44.0	13.0	31.0	49.8	22.2	27.6
1915	42.5	11.5	31.0	48.4	20.7	27.7
1916	45.3	14.3	31.0	51.1	23.6	27.6
1917	49.0	17.9	31.1	54.8	27.3	27.5
1918	44.1	13.2	31.0	50.0	22.5	27.5
1919	52.7	21.6	31.1	58.3	30.9	27.4
1920	54.5	23.4	31.1	60.1	32.7	27.4
1921	55.0	23.9	31.1	60.6	33.2	27.4
1922	55.5	24.4	31.1	61.1	33.7	27.4
1923	55.1	24.1	31.1	60.7	33.4	27.4
1924	55.3	24.2	31.1	60.9	33.5	27.4
1925	55.4	24.3	31.0	61.0	33.6	27.4
1926	55.3	24.3	31.0	60.9	33.5	27.4
1927	55.7	24.7	31.0	61.3	34.0	27.4
1928	55.6	24.6	31.0	61.2	33.8	27.4
1929	56.1	25.1	31.0	61.7	34.3	27.4
1930	55.2	24.2	31.0	60.8	33.4	27.4
1931	56.1	25.1	31.0	61.7	34.3	27.4
1932	56.0	25.1	30.9	61.6	34.3	27.3
1933	56.3	25.4	30.9	61.9	34.6	27.3
1934	56.1	25.2	30.9	61.7	34.3	27.4
1935	56.4	25.5	30.9	62.0	34.7	27.3
1936	56.8	25.9	30.9	62.4	35.0	27.3
1937	56.8	25.9	30.9	62.4	35.0	27.3
1938	57.1	26.2	30.9	62.7	35.4	27.3
1939	57.8	26.9	30.9	63.4	36.1	27.3
1940	53.2	22.4	30.8	58.8	31.4	27.4
1941	57.4	26.6	30.9	63.0	35.7	27.3
1942	57.4	26.5	30.9	63.0	35.6	27.3
1943	53.7	22.9	30.8	59.3	32.0	27.3
1944	50.7	19.9	30.8	56.8	29.9	26.9
1945	56.4	25.6	30.8	61.3	33.7	27.6
1946	59.2	28.4	30.8	64.3	36.7	27.6
1947	59.7	28.8	30.8	65.0	37.6	27.4
1948	59.6	28.8	30.8	64.7	37.2	27.5
1949	61.0	30.1	30.8	66.3	38.9	27.4
1950	60.7	29.9	30.8	65.8	38.3	27.5
1951	61.3	30.5	30.8	66.8	39.5	27.2
1952	61.3	30.5	30.8	67.0	39.8	27.1
1953	61.8	31.0	30.8	67.3	40.1	27.3
1954	61.6	30.8	30.8	67.3	40.2	27.1
1955	61.9	31.1	30.8	67.5	40.3	27.2
1956	62.3	31.5	30.8	67.3	39.7	27.5

1957	62.1	31.4	30.7	67.4	40.1	27.3
1958	62.5	31.8	30.7	68.0	40.9	27.2
1959	62.6	31.9	30.7	68.5	41.5	27.0
1960	62.9	32.2	30.7	68.6	41.5	27.1
1961	62.8	32.1	30.7	68.4	41.3	27.1
1962	63.3	32.6	30.7	68.8	41.6	27.1
1963	63.3	32.6	30.7	68.8	41.7	27.1
1964	63.1	32.4	30.7	68.6	41.4	27.1
1965	63.3	32.7	30.7	68.8	41.7	27.1
1966	63.2	32.6	30.7	68.7	41.6	27.1
1967	63.5	32.9	30.6	69.0	41.9	27.1
1968	63.7	33.1	30.6	69.2	42.1	27.1
1969	63.6	33.0	30.6	69.1	42.0	27.1
1970	63.8	33.3	30.6	69.3	42.2	27.1
1971	64.0	33.4	30.5	69.4	42.4	27.1
1972	63.8	33.3	30.5	69.3	42.3	27.0
1973	64.3	33.8	30.5	69.8	42.7	27.0
1974	64.3	33.9	30.5	69.8	42.8	27.0
1975	64.5	34.1	30.4	70.0	43.0	27.0
1976	64.6	34.2	30.4	70.1	43.0	27.0
1977	64.6	34.2	30.4	70.0	43.1	27.0
1978	65.0	34.6	30.4	70.4	43.4	27.0
1979	65.0	34.7	30.3	70.4	43.5	27.0
1980	65.2	34.9	30.3	70.7	43.7	26.9
1981	65.6	35.3	30.3	71.0	44.1	26.9
1982	65.5	35.3	30.2	71.0	44.1	26.9
1983	65.9	35.7	30.2	71.3	44.4	26.9
1984	65.8	35.7	30.1	71.3	44.4	26.9
1985	66.2	36.1	30.1	71.4	44.5	27.0
1986	66.3	36.2	30.0	71.3	44.3	27.0
1987	66.3	36.3	30.0	71.1	44.0	27.1
1988	66.4	36.5	29.9	71.2	44.1	27.1
1989	66.6	36.7	29.9	71.3	44.1	27.1
1990	66.8	37.0	29.8	71.4	44.2	27.2
1991	66.8	37.0	29.8	71.3	44.1	27.2
1992	66.8	37.2	29.7	71.3	44.1	27.2
1993	67.1	37.5	29.6	71.5	44.3	27.2
1994	67.1	37.5	29.5	71.3	44.2	27.2
1995	67.4	37.7	29.7	71.6	44.3	27.3
1996	67.7	37.9	29.8	71.9	44.5	27.4
1997	68.0	38.1	30.0	72.1	44.7	27.4
1998	68.2	38.1	30.1	72.2	44.7	27.5
1999	68.2	38.0	30.2	72.2	44.6	27.6
2000	68.5	38.2	30.3	72.4	44.7	27.7
2001	68.5	38.1	30.4	72.4	44.7	27.7
2002	68.7	38.1	30.6	72.5	44.8	27.8
2003	69.0	38.3	30.7	72.9	45.1	27.8
2004	68.7	37.9	30.8	72.6	44.7	27.8
2005	69.1	38.1	30.9	72.9	45.0	27.9
2006	69.0	38.0	31.1	72.9	44.9	27.9
2007	69.3	38.3	31.0	73.1	45.2	27.9
2008	69.6	38.6	30.9	73.4	45.6	27.9
2009	69.8	38.9	30.9	73.6	45.8	27.8
2010	70.0	39.1	30.9	73.8	46.0	27.8
2011	70.2	39.4	30.8	74.0	46.3	27.7
2012	70.4	39.6	30.8	74.3	46.5	27.7
2013	70.6	39.9	30.8	74.5	46.8	27.7
2014	70.9	40.2	30.7	74.8	47.1	27.7
2015	71.1	40.4	30.7	75.0	47.4	27.6
2016	71.4	40.7	30.7	75.2	47.6	27.6
2017	71.6	40.9	30.7	75.5	47.9	27.6
2018	71.8	41.2	30.7	75.7	48.1	27.6
2019	72.0	41.3	30.7	75.9	48.3	27.6
2020	72.2	41.5	30.7	76.0	48.5	27.5
2021	72.3	41.6	30.7	76.2	48.7	27.5
2022	72.5	41.7	30.7	76.3	48.8	27.5
2023	72.6	41.8	30.8	76.5	48.9	27.5
2024	72.7	41.9	30.8	76.6	49.0	27.5
2025	72.8	42.0	30.9	76.7	49.1	27.6
2026	73.0	42.0	30.9	76.8	49.2	27.6
2027	73.1	42.1	31.0	76.9	49.3	27.6
2028	73.2	42.1	31.1	77.1	49.4	27.6
2029	73.3	42.1	31.2	77.2	49.5	27.7

2030	73.5	42.2	31.3		77.3	49.6	27.7
2031	73.6	42.2	31.4		77.5	49.7	27.8
2032	73.8	42.3	31.5		77.7	49.9	27.8
2033	74.0	42.4	31.6		77.8	50.0	27.9
2034	74.2	42.5	31.7		78.1	50.1	27.9
2035	74.4	42.6	31.8		78.3	50.3	28.0
2036	74.7	42.8	31.9		78.5	50.5	28.0
2037	74.9	42.9	32.0		78.8	50.7	28.1
2038	75.2	43.1	32.1		79.1	50.9	28.1
2039	75.5	43.3	32.2		79.4	51.2	28.2
2040	75.8	43.5	32.3		79.7	51.4	28.3
2041	76.1	43.7	32.4		79.9	51.6	28.3
2042	76.4	43.8	32.5		80.2	51.8	28.4
2043	76.6	44.0	32.6		80.5	52.0	28.5
2044	76.8	44.1	32.7		80.7	52.1	28.6
2045	77.0	44.2	32.9		80.9	52.2	28.7
2046	77.2	44.2	33.0		81.1	52.3	28.7
2047	77.4	44.3	33.1		81.2	52.4	28.8
2048	77.5	44.3	33.2		81.4	52.5	28.9
2049	77.7	44.4	33.3		81.5	52.5	29.0
2050	77.8	44.3	33.5		81.6	52.5	29.1
2051	77.4	43.8	33.6		81.3	52.0	29.3
2052	77.5	43.8	33.7		81.4	52.0	29.4
2053	77.6	43.7	33.8		81.4	51.9	29.5
2054	77.6	43.7	34.0		81.5	51.9	29.6
2055	77.7	43.6	34.1		81.6	51.9	29.7
2056	77.8	43.6	34.1		81.6	51.8	29.8
2057	77.8	43.6	34.2		81.7	51.8	29.9
2058	77.8	43.5	34.3		81.7	51.7	30.0
2059	77.9	43.5	34.4		81.7	51.7	30.0
2060	77.9	43.4	34.5		81.8	51.6	30.1
2061	77.9	43.4	34.5		81.8	51.6	30.2
2062	77.9	43.3	34.6		81.8	51.5	30.3
2063	77.9	43.3	34.6		81.8	51.5	30.3
2064	77.9	43.2	34.7		81.8	51.4	30.4
2065	77.9	43.2	34.7		81.8	51.3	30.5
2066	77.9	43.1	34.8		81.8	51.2	30.5
2067	77.9	43.1	34.8		81.7	51.2	30.6
2068	77.9	43.0	34.8		81.7	51.1	30.6
2069	77.8	43.0	34.9		81.7	51.0	30.7
2070	77.8	43.0	34.9		81.7	51.0	30.7
2071	77.8	42.9	34.9		81.7	50.9	30.7
2072	77.8	42.9	34.9		81.6	50.9	30.7
2073	77.8	42.9	34.9		81.6	50.8	30.8
2074	77.8	42.8	34.9		81.6	50.8	30.8
2075	77.8	42.9	34.9		81.6	50.8	30.8
2076	77.8	42.9	34.9		81.6	50.8	30.8
2077	77.8	42.9	34.9		81.7	50.8	30.8
2078	77.8	42.9	34.9		81.7	50.9	30.8
2079	77.8	42.9	34.9		81.7	50.9	30.8
2080	77.8	42.9	34.9		81.7	50.8	30.8
2081	77.8	42.9	34.9		81.7	50.8	30.8
2082	77.8	42.9	34.9		81.6	50.8	30.8
2083	77.8	42.8	34.9		81.6	50.8	30.8
2084	77.8	42.8	34.9		81.6	50.8	30.8
2085	77.8	42.8	34.9		81.6	50.8	30.8
2086	77.7	42.8	34.9		81.6	50.8	30.8
2087	77.7	42.8	34.9		81.6	50.7	30.8
2088	77.7	42.8	34.9		81.6	50.7	30.8
2089	77.7	42.8	34.9		81.6	50.7	30.8
2090	77.7	42.8	34.9		81.6	50.7	30.8
2091	77.7	42.8	34.9		81.6	50.8	30.8
2092	77.8	42.8	34.9		81.6	50.8	30.8
2093	77.8	42.9	34.9		81.7	50.8	30.8
2094	77.8	42.9	34.9		81.7	50.8	30.8
2095	77.9	42.9	34.9		81.7	50.9	30.8
2096	77.9	43.0	34.9		81.7	50.9	30.8
2097	77.9	43.0	34.9		81.8	50.9	30.8
2098	77.9	43.0	34.9		81.8	50.9	30.8
2099	77.9	43.0	34.9		81.8	51.0	30.8
2100	77.9	43.0	34.9		81.8	51.0	30.8



1890	1.4%	28.5	10.0%	-0.3%	196.3	688%	74%	1 131	7 779	785	3.7%	10.5%	-0.3%	0.0%	17%
1891	1.4%	29.5	10.0%	-0.3%	202.1	686%	74%	1 142	7 834	793	3.7%	10.5%	-0.3%	0.0%	18%
1892	1.4%	29.6	10.0%	-0.3%	202.6	685%	74%	1 158	7 926	804	3.7%	10.5%	-0.3%	0.0%	17%
1893	1.4%	29.6	10.0%	-0.3%	201.9	683%	74%	1 170	7 991	812	3.7%	10.5%	-0.3%	0.0%	18%
1894	1.4%	30.9	10.0%	-0.3%	210.5	681%	74%	1 183	8 060	821	3.8%	10.5%	-0.3%	0.0%	18%
1895	1.4%	30.5	10.0%	-0.3%	207.4	680%	74%	1 196	8 128	830	3.8%	10.5%	-0.3%	0.0%	18%
1896	1.2%	30.4	10.0%	-0.2%	206.6	680%	74%	1 207	8 203	838	3.8%	10.5%	-0.2%	0.0%	18%
1897	1.2%	29.9	10.0%	-0.2%	203.5	680%	74%	1 217	8 275	845	3.8%	10.5%	-0.2%	0.0%	18%
1898	1.2%	30.7	10.0%	-0.2%	208.9	680%	74%	1 229	8 353	853	3.8%	10.5%	-0.2%	0.0%	19%
1899	1.2%	31.5	10.0%	-0.2%	214.4	680%	74%	1 241	8 433	861	3.8%	10.5%	-0.2%	0.0%	18%
1900	1.2%	31.9	7.1%	-0.2%	217.0	680%	74%	1 262	8 578	871	3.8%	7.5%	-0.2%	0.0%	16%
1901	1.2%	32.5	7.1%	-0.2%	219.9	677%	74%	1 277	8 647	882	3.8%	7.5%	-0.2%	0.0%	20%
1902	1.2%	32.5	7.1%	-0.2%	219.2	674%	74%	1 290	8 692	890	3.9%	7.5%	-0.2%	0.0%	19%
1903	1.2%	32.8	7.1%	-0.2%	219.8	671%	74%	1 301	8 733	898	3.9%	7.5%	-0.2%	0.0%	19%
1904	1.2%	32.7	7.1%	-0.2%	218.5	668%	74%	1 313	8 773	906	3.9%	7.5%	-0.2%	0.0%	18%
1905	1.2%	33.1	7.1%	-0.2%	220.1	666%	74%	1 324	8 815	914	3.9%	7.5%	-0.2%	0.0%	17%
1906	1.6%	34.0	7.1%	0.0%	225.4	663%	74%	1 342	8 892	926	3.9%	7.5%	0.0%	0.0%	19%
1907	1.6%	35.0	7.1%	0.0%	231.1	660%	74%	1 359	8 964	938	3.9%	7.5%	0.0%	0.0%	19%
1908	1.6%	36.4	7.1%	0.0%	239.1	657%	74%	1 378	9 049	951	4.0%	7.5%	0.0%	0.0%	18%
1909	1.6%	36.9	7.1%	0.0%	241.3	654%	74%	1 395	9 122	963	4.0%	7.5%	0.0%	0.0%	19%
1910	1.6%	38.7	8.3%	0.0%	251.6	651%	66%	1 413	9 200	868	5.2%	8.7%	0.0%	0.0%	21%
1911	1.6%	43.1	8.3%	0.0%	280.1	649%	66%	1 432	9 295	879	5.2%	8.7%	0.0%	0.0%	19%
1912	1.6%	43.3	8.3%	0.0%	280.7	648%	66%	1 450	9 392	890	5.2%	8.7%	0.0%	0.0%	19%
1913	1.6%	45.5	8.3%	0.0%	294.1	646%	66%	1 468	9 482	901	5.2%	8.7%	0.0%	0.0%	20%



**Table D2: Comparison between annualized series & initial decennial estimates, 1820-1913**

(billions current francs)	decennial averages of annualized series			initial decennial averages estimates			ratio		
	$Y_t$	$W_t$	$\beta_t = W_t/Y_t$	$Y_t$	$W_t$	$\beta_t = W_t/Y_t$	$Y_t$	$W_t$	$\beta_t = W_t/Y_t$
1820	11	63	557%	11	62	549%	100%	101%	101%
1830	14	80	590%	14	80	591%	100%	100%	100%
1840	16	97	592%	16	95	577%	99%	102%	102%
1850	22	131	607%	22	130	593%	99%	101%	102%
1860	26	163	634%	26	165	633%	98%	99%	100%
1870	29	185	646%	29	185	644%	100%	100%	100%
1880	28	194	689%	28	195	702%	101%	99%	98%
1890	30	205	682%	30	205	674%	99%	100%	101%
1900	34	225	666%	34	229	675%	100%	98%	99%
1910	43	277	648%	43	279	654%	100%	99%	99%

**Table D3: Simulation parameters, 1896-2009**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]
(2009 euros)	Per adult national income $y_t$	Per adult private wealth $w_t$	Per adult after-tax aug. labor income $y_{Ldt}$	After-tax rate of return $r_{dt}$	Savings rate in dispos. income $s_{dt}$	Real rate of capital gains $q_t$	Destruction rate $d_t$	Gift-bequest ratio $v_t$
1896	4 508 €	29 853 €	3 152 €	3.7%	12%	0%	0%	18%
1897	4 440 €	30 262 €	3 201 €	3.2%	11%	0%	0%	18%
1898	4 638 €	30 640 €	3 284 €	3.5%	11%	0%	0%	19%
1899	4 804 €	31 028 €	3 321 €	3.9%	12%	0%	0%	18%
1900	4 906 €	31 704 €	3 298 €	4.2%	10%	0%	0%	16%
1901	4 574 €	32 140 €	3 312 €	3.2%	6%	0%	0%	20%
1902	4 487 €	32 315 €	3 201 €	3.2%	10%	0%	0%	19%
1903	4 723 €	32 607 €	3 352 €	3.4%	8%	0%	0%	19%
1904	4 853 €	32 825 €	3 426 €	3.5%	5%	0%	0%	18%
1905	4 868 €	32 916 €	3 294 €	4.0%	8%	0%	0%	17%
1906	4 754 €	33 197 €	3 380 €	3.3%	6%	0%	0%	19%
1907	5 223 €	33 343 €	3 346 €	4.8%	9%	0%	0%	19%
1908	5 048 €	33 729 €	3 471 €	3.9%	8%	0%	0%	18%
1909	5 262 €	34 004 €	3 497 €	4.4%	6%	0%	0%	19%
1910	5 061 €	34 214 €	3 474 €	3.8%	8%	0%	0%	21%
1911	5 132 €	34 503 €	3 239 €	4.6%	4%	0%	0%	19%
1912	5 628 €	34 595 €	3 200 €	6.2%	12%	0%	0%	19%
1913	5 321 €	35 122 €	3 085 €	5.5%	10%	0%	0%	20%
1914	4 910 €	33 493 €	3 592 €	3.4%	1%	-6%	0%	20%
1915	4 638 €	31 816 €	3 795 €	2.7%	0%	-6%	-7%	20%
1916	5 252 €	28 318 €	3 902 €	5.4%	4%	-6%	-7%	20%
1917	5 200 €	24 997 €	3 787 €	6.3%	5%	-6%	-8%	20%
1918	4 558 €	21 808 €	3 633 €	5.2%	3%	-6%	-10%	20%
1919	4 848 €	18 860 €	3 560 €	8.1%	4%	-6%	0%	25%
1920	5 005 €	17 607 €	3 527 €	8.8%	24%	-6%	0%	25%
1921	5 756 €	17 635 €	3 974 €	10.1%	29%	-6%	0%	25%
1922	6 375 €	18 107 €	4 188 €	11.6%	25%	-6%	0%	25%
1923	6 427 €	18 423 €	4 075 €	12.0%	30%	-6%	0%	25%
1924	6 412 €	18 926 €	3 991 €	11.6%	26%	-6%	0%	25%
1925	6 539 €	19 181 €	4 014 €	11.5%	25%	-6%	0%	25%
1926	6 225 €	20 354 €	3 650 €	10.2%	22%	-1%	0%	25%
1927	6 089 €	21 219 €	3 570 €	9.4%	12%	-1%	0%	25%
1928	6 585 €	21 489 €	4 011 €	9.9%	22%	-1%	0%	25%
1929	6 619 €	22 410 €	3 980 €	9.3%	20%	-1%	0%	25%
1930	6 298 €	23 212 €	3 988 €	7.8%	17%	-1%	0%	25%
1931	6 039 €	23 675 €	3 908 €	6.8%	10%	-1%	0%	25%
1932	5 834 €	23 921 €	3 988 €	5.6%	3%	-1%	0%	25%
1933	5 864 €	23 754 €	3 969 €	6.4%	3%	-1%	0%	25%
1934	5 574 €	23 580 €	3 800 €	6.0%	3%	-1%	0%	25%
1935	5 967 €	23 402 €	3 979 €	7.1%	8%	-1%	0%	25%
1936	6 331 €	23 724 €	4 377 €	7.3%	18%	-1%	0%	25%
1937	6 098 €	24 686 €	4 224 €	6.5%	14%	-1%	0%	25%
1938	6 199 €	25 344 €	4 188 €	6.4%	11%	-1%	0%	25%
1939	7 193 €	26 919 €	4 630 €	7.1%	5%	-1%	0%	25%
1940	4 868 €	21 860 €	3 357 €	4.5%	5%	-20%	-6%	25%
1941	4 900 €	22 058 €	3 532 €	3.7%	4%	-1%	-6%	25%
1942	4 704 €	20 461 €	3 499 €	3.2%	3%	-1%	-6%	25%
1943	4 171 €	19 088 €	3 277 €	2.1%	1%	-1%	-7%	25%
1944	3 722 €	17 770 €	3 264 €	0.1%	-4%	-1%	-7%	14%
1945	4 739 €	16 095 €	4 031 €	0.2%	-2%	-1%	-8%	41%
1946	6 249 €	16 941 €	4 526 €	4.0%	4%	28%	0%	39%
1947	6 204 €	16 840 €	4 512 €	3.3%	3%	-1%	0%	31%
1948	6 995 €	16 668 €	4 890 €	5.0%	5%	-1%	0%	37%
1949	7 747 €	16 646 €	4 849 €	7.7%	17%	-1%	0%	32%
1950	8 242 €	17 408 €	4 875 €	9.2%	18%	-1%	0%	38%
1951	8 794 €	18 243 €	5 307 €	8.3%	17%	-1%	0%	27%
1952	9 062 €	19 078 €	5 614 €	6.8%	16%	-1%	0%	23%
1953	9 547 €	19 797 €	5 720 €	7.4%	14%	-1%	0%	28%

1954	10 091 €	20 515 €	6 139 €	7.7%	16%	-1%	0%	22%
1955	10 718 €	22 185 €	6 545 €	7.8%	18%	2%	0%	26%
1956	11 213 €	24 131 €	6 892 €	7.1%	15%	2%	0%	40%
1957	12 241 €	25 935 €	7 412 €	7.5%	17%	2%	0%	32%
1958	12 168 €	28 004 €	7 253 €	6.7%	17%	2%	0%	27%
1959	12 360 €	30 141 €	7 247 €	6.2%	16%	2%	0%	20%
1960	13 198 €	32 198 €	7 665 €	6.8%	19%	2%	0%	23%
1961	13 782 €	34 797 €	8 025 €	6.2%	18%	2%	0%	25%
1962	14 716 €	37 355 €	8 776 €	5.9%	19%	2%	0%	27%
1963	15 460 €	39 610 €	9 225 €	5.6%	18%	2%	0%	27%
1964	16 486 €	42 489 €	9 663 €	5.6%	18%	2%	0%	27%
1965	17 241 €	45 519 €	10 045 €	5.6%	19%	2%	0%	27%
1966	18 085 €	48 899 €	10 489 €	5.7%	19%	2%	0%	27%
1967	18 830 €	52 151 €	10 927 €	5.8%	20%	2%	0%	27%
1968	19 373 €	55 626 €	11 305 €	5.5%	20%	2%	0%	27%
1969	20 664 €	59 129 €	11 645 €	5.8%	19%	2%	0%	28%
1970	21 680 €	62 718 €	12 339 €	5.5%	20%	2%	0%	28%
1971	22 555 €	63 781 €	12 882 €	5.6%	20%	-2%	0%	28%
1972	23 434 €	65 749 €	13 485 €	5.4%	20%	-1%	0%	28%
1973	24 853 €	69 593 €	14 216 €	5.7%	21%	2%	0%	28%
1974	25 024 €	68 608 €	14 523 €	5.3%	19%	-6%	0%	28%
1975	24 721 €	71 471 €	15 106 €	4.1%	19%	0%	0%	28%
1976	25 814 €	74 521 €	15 469 €	3.8%	16%	0%	0%	28%
1977	26 275 €	76 905 €	15 774 €	3.9%	17%	0%	0%	28%
1978	26 928 €	78 571 €	16 452 €	3.6%	17%	-1%	0%	28%
1979	27 498 €	80 537 €	16 358 €	3.5%	15%	-1%	0%	28%
1980	27 002 €	80 464 €	16 323 €	3.1%	13%	-3%	0%	28%
1981	26 505 €	79 820 €	16 346 €	3.0%	12%	-3%	0%	29%
1982	26 758 €	78 578 €	16 625 €	2.7%	10%	-3%	0%	29%
1983	26 601 €	79 163 €	16 270 €	3.0%	10%	-1%	0%	29%
1984	26 667 €	80 505 €	15 691 €	3.5%	10%	0%	0%	29%
1985	26 892 €	80 762 €	15 557 €	4.0%	10%	-1%	0%	34%
1986	28 158 €	83 092 €	15 697 €	5.0%	13%	1%	0%	39%
1987	28 509 €	88 751 €	15 513 €	5.0%	11%	5%	0%	44%
1988	29 768 €	89 289 €	15 852 €	5.7%	13%	-1%	0%	46%
1989	30 683 €	95 330 €	16 071 €	5.7%	14%	4%	0%	49%
1990	30 934 €	102 002 €	16 357 €	5.2%	14%	5%	0%	52%
1991	30 677 €	101 069 €	16 425 €	5.1%	14%	-3%	0%	55%
1992	30 688 €	100 288 €	16 437 €	5.4%	15%	-3%	0%	58%
1993	30 000 €	99 166 €	16 282 €	5.3%	15%	-3%	0%	61%
1994	30 277 €	99 958 €	16 197 €	5.4%	15%	-2%	0%	64%
1995	30 624 €	99 078 €	16 408 €	5.5%	16%	-3%	0%	66%
1996	30 750 €	99 045 €	16 401 €	5.2%	14%	-3%	0%	69%
1997	31 338 €	102 996 €	16 518 €	5.3%	16%	1%	0%	72%
1998	32 408 €	106 005 €	16 868 €	5.4%	17%	0%	0%	75%
1999	33 419 €	110 299 €	17 375 €	5.1%	16%	1%	0%	78%
2000	34 265 €	121 756 €	17 837 €	4.7%	15%	8%	0%	81%
2001	34 545 €	127 148 €	18 361 €	4.2%	15%	2%	0%	81%
2002	34 298 €	129 888 €	18 752 €	4.0%	15%	0%	0%	81%
2003	34 347 €	136 687 €	18 641 €	4.1%	15%	3%	0%	81%
2004	34 740 €	148 075 €	18 828 €	3.7%	14%	6%	0%	81%
2005	35 120 €	165 488 €	18 926 €	3.2%	13%	10%	0%	81%
2006	35 970 €	183 356 €	19 271 €	2.9%	12%	10%	0%	82%
2007	36 927 €	198 802 €	19 790 €	2.9%	13%	7%	0%	82%
2008	36 342 €	204 511 €	19 809 €	2.7%	12%	2%	0%	82%
2009	35 380 €	195 200 €	19 285 €	2.7%	12%	-5%	0%	82%
2010	35 154 €	186 399 €	19 161 €	2.8%	12%	-5%	0%	82%

**Table D4: Estimated age-labor income profile  $y_{Ldt}(a)$  in France, 1820-2100**

	Average augm. labor income of age group as a fraction of average augm. labor of individuals aged 50-to-59 year-old (all adults, working or not working, men and women) (augmented labor income = labor income + replacement income)							Ratio $y_{Ldt}^{50-59} / y_{Ldt}^{20+}$ with estimated profile	Ratio $y_{Ldt}^{50-59} / y_{Ldt}^{20+}$ with fixed 2006 profile
	20-29	30-39	40-49	50-59	60-69	70-79	80+		
1820	64%	87%	101%	100%	70%	10%	10%	127%	120%
1821	64%	87%	101%	100%	70%	10%	10%	127%	120%
1822	64%	87%	101%	100%	70%	10%	10%	127%	120%
1823	64%	87%	101%	100%	70%	10%	10%	127%	120%
1824	64%	87%	101%	100%	70%	10%	10%	127%	120%
1825	64%	87%	101%	100%	70%	10%	10%	127%	120%
1826	64%	87%	101%	100%	70%	10%	10%	127%	120%
1827	64%	87%	101%	100%	70%	10%	10%	127%	120%
1828	64%	87%	101%	100%	70%	10%	10%	127%	120%
1829	64%	87%	101%	100%	70%	10%	10%	127%	120%
1830	64%	87%	101%	100%	70%	10%	10%	126%	119%
1831	64%	87%	101%	100%	70%	10%	10%	126%	119%
1832	64%	87%	101%	100%	70%	10%	10%	126%	119%
1833	64%	87%	101%	100%	70%	10%	10%	126%	119%
1834	64%	87%	101%	100%	70%	10%	10%	126%	119%
1835	64%	87%	101%	100%	70%	10%	10%	126%	119%
1836	64%	87%	101%	100%	70%	10%	10%	126%	119%
1837	64%	87%	101%	100%	70%	10%	10%	126%	119%
1838	64%	87%	101%	100%	70%	10%	10%	126%	119%
1839	64%	87%	101%	100%	70%	10%	10%	126%	119%
1840	64%	87%	101%	100%	70%	10%	10%	125%	119%
1841	64%	87%	101%	100%	70%	10%	10%	125%	119%
1842	64%	87%	101%	100%	70%	10%	10%	125%	119%
1843	64%	87%	101%	100%	70%	10%	10%	125%	119%
1844	64%	87%	101%	100%	70%	10%	10%	125%	119%
1845	64%	87%	101%	100%	70%	10%	10%	125%	119%
1846	64%	87%	101%	100%	70%	10%	10%	125%	119%
1847	64%	87%	101%	100%	70%	10%	10%	126%	119%
1848	64%	87%	101%	100%	70%	10%	10%	126%	119%
1849	64%	87%	101%	100%	70%	10%	10%	126%	119%
1850	64%	87%	101%	100%	70%	10%	10%	126%	119%
1851	64%	87%	101%	100%	70%	10%	10%	126%	119%
1852	64%	87%	101%	100%	70%	10%	10%	126%	119%
1853	64%	87%	101%	100%	70%	10%	10%	126%	119%
1854	64%	87%	101%	100%	70%	10%	10%	126%	119%
1855	64%	87%	101%	100%	70%	10%	10%	126%	119%
1856	64%	87%	101%	100%	70%	10%	10%	126%	119%
1857	64%	87%	101%	100%	70%	10%	10%	126%	119%
1858	64%	87%	101%	100%	70%	10%	10%	126%	119%
1859	64%	87%	101%	100%	70%	10%	10%	126%	119%
1860	64%	87%	101%	100%	70%	10%	10%	126%	119%
1861	64%	87%	101%	100%	70%	10%	10%	126%	119%
1862	64%	87%	101%	100%	70%	10%	10%	126%	119%
1863	64%	87%	101%	100%	70%	10%	10%	126%	119%
1864	64%	87%	101%	100%	70%	10%	10%	126%	119%
1865	64%	87%	101%	100%	70%	10%	10%	126%	119%
1866	64%	87%	101%	100%	70%	10%	10%	126%	119%
1867	64%	87%	101%	100%	70%	10%	10%	127%	119%
1868	64%	87%	101%	100%	70%	10%	10%	127%	119%
1869	64%	87%	101%	100%	70%	10%	10%	127%	119%
1870	64%	87%	101%	100%	70%	10%	10%	127%	119%
1871	64%	87%	101%	100%	70%	10%	10%	127%	118%
1872	64%	87%	101%	100%	70%	10%	10%	127%	118%
1873	64%	87%	101%	100%	70%	10%	10%	127%	118%
1874	64%	87%	101%	100%	70%	10%	10%	127%	118%
1875	64%	87%	101%	100%	70%	10%	10%	127%	118%
1876	64%	87%	101%	100%	70%	10%	10%	127%	118%
1877	64%	87%	101%	100%	70%	10%	10%	127%	118%
1878	64%	87%	101%	100%	70%	10%	10%	127%	118%
1879	64%	87%	101%	100%	70%	10%	10%	127%	118%
1880	64%	87%	101%	100%	70%	10%	10%	127%	118%
1881	64%	87%	101%	100%	70%	10%	10%	127%	118%
1882	64%	87%	101%	100%	70%	10%	10%	127%	118%

1883	64%	87%	101%	100%	70%	10%	10%	127%	118%
1884	64%	87%	101%	100%	70%	10%	10%	127%	119%
1885	64%	87%	101%	100%	70%	10%	10%	127%	119%
1886	64%	87%	101%	100%	70%	10%	10%	127%	119%
1887	64%	87%	101%	100%	70%	10%	10%	127%	119%
1888	64%	87%	101%	100%	70%	10%	10%	127%	119%
1889	64%	87%	101%	100%	70%	10%	10%	127%	119%
1890	64%	87%	101%	100%	70%	10%	10%	127%	119%
1891	64%	87%	101%	100%	70%	10%	10%	127%	119%
1892	64%	87%	101%	100%	70%	10%	10%	127%	119%
1893	64%	87%	101%	100%	70%	10%	10%	127%	119%
1894	64%	87%	101%	100%	70%	10%	10%	127%	119%
1895	64%	87%	101%	100%	70%	10%	10%	128%	119%
1896	64%	87%	101%	100%	70%	10%	10%	128%	119%
1897	64%	87%	101%	100%	70%	10%	10%	128%	119%
1898	64%	87%	101%	100%	70%	10%	10%	128%	119%
1899	64%	87%	101%	100%	70%	10%	10%	128%	119%
1900	64%	87%	101%	100%	70%	10%	10%	128%	119%
1901	64%	87%	101%	100%	70%	13%	13%	127%	119%
1902	64%	87%	101%	100%	70%	14%	14%	127%	119%
1903	64%	87%	101%	100%	70%	13%	13%	127%	119%
1904	64%	87%	101%	100%	70%	10%	10%	128%	119%
1905	64%	87%	101%	100%	70%	14%	13%	127%	119%
1906	64%	87%	101%	100%	70%	13%	13%	127%	119%
1907	64%	87%	101%	100%	70%	13%	13%	127%	119%
1908	64%	87%	101%	100%	70%	15%	15%	127%	119%
1909	64%	87%	101%	100%	70%	15%	15%	127%	119%
1910	64%	87%	101%	100%	70%	18%	17%	126%	119%
1911	64%	87%	101%	100%	70%	17%	17%	127%	119%
1912	64%	87%	101%	100%	69%	17%	17%	127%	119%
1913	64%	87%	101%	100%	69%	16%	16%	127%	118%
1914	64%	87%	101%	100%	68%	14%	13%	127%	118%
1915	64%	87%	101%	100%	69%	35%	35%	124%	118%
1916	64%	87%	101%	100%	69%	52%	51%	122%	118%
1917	64%	87%	101%	100%	69%	43%	43%	123%	118%
1918	64%	87%	101%	100%	69%	52%	51%	122%	118%
1919	64%	87%	101%	100%	69%	54%	53%	122%	118%
1920	64%	87%	101%	100%	67%	35%	35%	124%	118%
1921	64%	87%	101%	100%	67%	37%	37%	124%	118%
1922	64%	87%	101%	100%	67%	39%	38%	124%	118%
1923	64%	87%	101%	100%	66%	33%	32%	125%	118%
1924	64%	87%	101%	100%	66%	31%	31%	126%	118%
1925	64%	87%	101%	100%	65%	31%	30%	126%	118%
1926	64%	87%	101%	100%	64%	23%	23%	127%	119%
1927	64%	87%	101%	100%	65%	34%	33%	126%	119%
1928	64%	87%	101%	100%	68%	53%	52%	123%	119%
1929	64%	87%	101%	100%	66%	39%	39%	125%	119%
1930	64%	87%	101%	100%	67%	48%	47%	124%	119%
1931	64%	87%	101%	100%	68%	54%	54%	123%	119%
1932	64%	87%	101%	100%	69%	60%	59%	122%	119%
1933	64%	87%	101%	100%	70%	67%	66%	121%	119%
1934	64%	87%	101%	100%	71%	70%	69%	120%	119%
1935	64%	87%	101%	100%	71%	71%	70%	120%	119%
1936	64%	87%	101%	100%	69%	63%	62%	121%	118%
1937	64%	87%	101%	100%	66%	51%	50%	123%	118%
1938	64%	87%	101%	100%	67%	53%	52%	123%	118%
1939	64%	87%	101%	100%	64%	40%	40%	125%	117%
1940	64%	87%	101%	100%	64%	42%	41%	125%	117%
1941	64%	87%	101%	100%	63%	39%	39%	124%	116%
1942	64%	87%	101%	100%	62%	37%	37%	125%	117%
1943	64%	87%	101%	100%	61%	35%	35%	126%	117%
1944	64%	87%	101%	100%	60%	31%	30%	127%	117%
1945	64%	87%	101%	100%	60%	32%	31%	127%	117%
1946	64%	87%	101%	100%	62%	39%	39%	125%	117%
1947	64%	87%	101%	100%	61%	39%	38%	126%	118%
1948	64%	87%	101%	100%	61%	40%	39%	126%	118%
1949	64%	87%	101%	100%	63%	46%	45%	125%	118%
1950	64%	87%	101%	100%	65%	51%	50%	124%	118%
1951	64%	87%	101%	100%	64%	50%	49%	124%	118%
1952	64%	87%	101%	100%	64%	49%	48%	125%	118%
1953	64%	87%	101%	100%	65%	51%	50%	124%	118%
1954	64%	87%	101%	100%	64%	51%	50%	124%	118%
1955	64%	87%	101%	100%	64%	51%	50%	124%	118%

1956	64%	87%	101%	100%	64%	51%	50%	124%	118%
1957	64%	87%	101%	100%	64%	51%	50%	125%	118%
1958	64%	87%	101%	100%	63%	49%	48%	125%	118%
1959	64%	87%	101%	100%	63%	49%	48%	125%	118%
1960	64%	87%	101%	100%	67%	55%	55%	124%	119%
1961	64%	87%	101%	100%	68%	57%	56%	123%	118%
1962	64%	87%	101%	100%	69%	57%	56%	123%	118%
1963	64%	87%	101%	100%	69%	58%	58%	122%	118%
1964	64%	87%	101%	100%	70%	60%	59%	122%	118%
1965	64%	87%	101%	100%	71%	61%	60%	122%	118%
1966	64%	87%	101%	100%	72%	61%	60%	122%	118%
1967	64%	87%	101%	100%	72%	61%	60%	122%	119%
1968	64%	87%	101%	100%	73%	62%	61%	122%	119%
1969	64%	87%	101%	100%	73%	62%	61%	122%	119%
1970	64%	87%	101%	100%	73%	60%	59%	123%	119%
1971	64%	87%	101%	100%	72%	59%	58%	123%	120%
1972	64%	87%	101%	100%	72%	59%	58%	124%	120%
1973	64%	87%	101%	100%	73%	59%	58%	124%	120%
1974	64%	87%	101%	100%	73%	59%	58%	124%	120%
1975	64%	87%	101%	100%	76%	64%	63%	123%	121%
1976	64%	87%	101%	100%	76%	64%	63%	123%	121%
1977	64%	87%	101%	100%	77%	66%	65%	122%	120%
1978	64%	87%	101%	100%	78%	68%	67%	121%	120%
1979	64%	87%	101%	100%	79%	69%	68%	121%	120%
1980	64%	87%	101%	100%	80%	70%	68%	120%	120%
1981	64%	87%	101%	100%	81%	71%	70%	120%	120%
1982	64%	87%	101%	100%	82%	73%	72%	119%	120%
1983	64%	87%	101%	100%	83%	73%	72%	119%	120%
1984	64%	87%	101%	100%	84%	75%	74%	119%	120%
1985	64%	87%	101%	100%	84%	75%	74%	119%	120%
1986	64%	87%	101%	100%	85%	76%	75%	118%	120%
1987	64%	87%	101%	100%	85%	76%	75%	118%	120%
1988	64%	87%	101%	100%	85%	76%	75%	118%	120%
1989	64%	87%	101%	100%	84%	75%	74%	118%	120%
1990	64%	87%	101%	100%	83%	73%	72%	119%	120%
1991	64%	87%	101%	100%	83%	73%	72%	119%	120%
1992	64%	87%	101%	100%	83%	74%	73%	118%	120%
1993	64%	87%	101%	100%	84%	75%	74%	118%	120%
1994	64%	87%	101%	100%	83%	74%	73%	118%	120%
1995	64%	87%	101%	100%	82%	73%	72%	118%	119%
1996	64%	87%	101%	100%	83%	74%	72%	118%	119%
1997	64%	87%	101%	100%	83%	74%	73%	118%	119%
1998	64%	87%	101%	100%	80%	71%	70%	119%	119%
1999	64%	87%	101%	100%	80%	70%	69%	119%	119%
2000	64%	87%	101%	100%	79%	69%	68%	119%	119%
2001	64%	87%	101%	100%	78%	68%	67%	119%	119%
2002	64%	87%	101%	100%	78%	69%	68%	119%	118%
2003	64%	87%	101%	100%	79%	70%	69%	119%	118%
2004	64%	87%	101%	100%	80%	70%	69%	118%	118%
2005	64%	87%	101%	100%	79%	70%	68%	119%	118%
2006	64%	87%	101%	100%	80%	70%	69%	118%	118%
2007	64%	87%	101%	100%	80%	70%	69%	118%	118%
2008	64%	87%	101%	100%	80%	70%	69%	118%	118%
2009	64%	87%	101%	100%	80%	70%	69%	118%	118%
2010	64%	87%	101%	100%	80%	70%	69%	119%	119%
2011	64%	87%	101%	100%	80%	70%	69%	119%	119%
2012	64%	87%	101%	100%	80%	70%	69%	119%	119%
2013	64%	87%	101%	100%	80%	70%	69%	119%	119%
2014	64%	87%	101%	100%	80%	70%	69%	119%	119%
2015	64%	87%	101%	100%	80%	70%	69%	119%	119%
2016	64%	87%	101%	100%	80%	70%	69%	119%	119%
2017	64%	87%	101%	100%	80%	70%	69%	119%	119%
2018	64%	87%	101%	100%	80%	70%	69%	119%	119%
2019	64%	87%	101%	100%	80%	70%	69%	119%	119%
2020	64%	87%	101%	100%	80%	70%	69%	119%	119%
2021	64%	87%	101%	100%	80%	70%	69%	119%	119%
2022	64%	87%	101%	100%	80%	70%	69%	119%	119%
2023	64%	87%	101%	100%	80%	70%	69%	120%	120%
2024	64%	87%	101%	100%	80%	70%	69%	120%	120%
2025	64%	87%	101%	100%	80%	70%	69%	120%	120%
2026	64%	87%	101%	100%	80%	70%	69%	120%	120%
2027	64%	87%	101%	100%	80%	70%	69%	120%	120%
2028	64%	87%	101%	100%	80%	70%	69%	120%	120%







**Table D5: Summary simulation results 1820-1913**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]
<b>Observed series</b>	<b>Simulated series</b>													
Inheritance flow - national income ratio $b_{yt} = B_t/Y_t$ and ratio $\mu_t^*$	Observed gift-bequest ratio $v_t$						Gift-bequest ratio frozen to $v_t=0\%$							
	a1: class savings ( $s_K=s/\alpha, s_L=0$ )		a2: uniform savings ( $s=s_K=s_L$ )		a3: reverse class savings ( $s_K=0, s_L=s/(1-\alpha)$ )		b1: class savings ( $s_K=s/\alpha, s_L=0$ )		b2: uniform savings ( $s=s_K=s_L$ )		b3: reverse class savings ( $s_K=0, s_L=s/(1-\alpha)$ )			
	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$
1820	<b>20.3%</b>	166%	<b>21.0%</b>	170%	<b>20.5%</b>	166%	<b>20.3%</b>	165%	<b>15.9%</b>	128%	<b>15.5%</b>	125%	<b>15.3%</b>	124%
1830	<b>20.8%</b>	159%	<b>22.0%</b>	169%	<b>20.9%</b>	160%	<b>20.4%</b>	156%	<b>17.6%</b>	135%	<b>16.6%</b>	127%	<b>16.2%</b>	124%
1840	<b>21.1%</b>	165%	<b>19.8%</b>	152%	<b>19.0%</b>	145%	<b>18.6%</b>	142%	<b>17.2%</b>	131%	<b>16.2%</b>	124%	<b>15.7%</b>	120%
1850	<b>20.0%</b>	161%	<b>17.0%</b>	134%	<b>16.8%</b>	132%	<b>16.6%</b>	130%	<b>16.8%</b>	132%	<b>15.9%</b>	124%	<b>15.3%</b>	120%
1860	<b>20.2%</b>	148%	<b>18.6%</b>	137%	<b>18.5%</b>	135%	<b>18.1%</b>	133%	<b>18.7%</b>	137%	<b>17.7%</b>	130%	<b>17.0%</b>	124%
1870	<b>22.3%</b>	159%	<b>19.9%</b>	142%	<b>19.3%</b>	138%	<b>18.8%</b>	134%	<b>19.8%</b>	141%	<b>18.7%</b>	134%	<b>17.9%</b>	128%
1880	<b>24.4%</b>	159%	<b>21.7%</b>	144%	<b>20.8%</b>	138%	<b>20.3%</b>	134%	<b>21.1%</b>	140%	<b>20.0%</b>	133%	<b>19.4%</b>	129%
1890	<b>23.9%</b>	161%	<b>21.6%</b>	144%	<b>20.5%</b>	136%	<b>20.1%</b>	134%	<b>21.0%</b>	140%	<b>19.7%</b>	132%	<b>19.2%</b>	128%
1900	<b>24.1%</b>	159%	<b>22.0%</b>	148%	<b>20.9%</b>	140%	<b>20.6%</b>	138%	<b>21.1%</b>	142%	<b>19.8%</b>	133%	<b>19.4%</b>	130%
1910	<b>22.7%</b>	162%	<b>20.9%</b>	150%	<b>20.0%</b>	144%	<b>19.7%</b>	141%	<b>19.9%</b>	143%	<b>18.7%</b>	135%	<b>18.4%</b>	132%

**Table D6: Summary simulation results 1900-2100**

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]	[16]
	<b>Observed series</b>		<b>Simulated series</b>													
Inheritance flow - national income ratio $b_{yt} = B_t/Y_t$ and ratio $\mu_t^*$	Uniform savings ( $s=s_k=s_l$ ) (2010-2100: $g=1.7\%$ , $(1-\tau)r=3.0\%$ , $s=9.4\%$ )						Estimated age-labor income profile (2010-2100: $g=1.7\%$ , $(1-\tau)r=3.0\%$ , $s=9.4\%$ )									
			a1: estimated age-labor income profile		a2: flat age-labor income profile		a3: fixed 2006 age labor income profile		b1: class savings ( $s_k = s/\alpha$ , $s_L=0$ )		b2: reverse class savings ( $s_k = 0, s_L = s/(1-\alpha)$ )		c1: uniform savings & gifts $v_t$ frozen in 1980		c2: uniform savings & gifts frozen to $v_t=0\%$	
	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$
1900	<b>24.1%</b>	159%	<b>23.7%</b>	157%	<b>23.9%</b>	158%	<b>23.9%</b>	158%	<b>24.2%</b>	160%	<b>23.6%</b>	156%	<b>23.7%</b>	157%	<b>20.3%</b>	134%
1910	<b>22.7%</b>	162%	<b>21.5%</b>	153%	<b>21.7%</b>	155%	<b>21.7%</b>	155%	<b>22.4%</b>	160%	<b>21.1%</b>	151%	<b>21.5%</b>	153%	<b>18.8%</b>	134%
1920	<b>9.8%</b>	151%	<b>8.5%</b>	132%	<b>8.5%</b>	132%	<b>8.8%</b>	136%	<b>9.6%</b>	148%	<b>8.1%</b>	125%	<b>8.5%</b>	132%	<b>7.8%</b>	120%
1930	<b>11.0%</b>	142%	<b>10.0%</b>	128%	<b>10.3%</b>	132%	<b>10.3%</b>	133%	<b>11.3%</b>	145%	<b>9.5%</b>	122%	<b>10.0%</b>	128%	<b>9.3%</b>	120%
1940	<b>9.8%</b>	122%	<b>10.3%</b>	136%	<b>10.2%</b>	134%	<b>10.4%</b>	137%	<b>11.1%</b>	145%	<b>10.0%</b>	132%	<b>10.3%</b>	136%	<b>9.3%</b>	120%
1950	<b>4.3%</b>	124%	<b>5.3%</b>	151%	<b>5.4%</b>	153%	<b>5.4%</b>	154%	<b>6.0%</b>	172%	<b>5.1%</b>	146%	<b>5.3%</b>	151%	<b>4.8%</b>	137%
1960	<b>5.9%</b>	138%	<b>6.3%</b>	149%	<b>6.5%</b>	155%	<b>6.5%</b>	154%	<b>7.8%</b>	185%	<b>6.0%</b>	142%	<b>6.3%</b>	149%	<b>5.8%</b>	136%
1970	<b>6.2%</b>	145%	<b>6.8%</b>	159%	<b>7.0%</b>	165%	<b>7.0%</b>	163%	<b>8.9%</b>	209%	<b>6.4%</b>	151%	<b>6.8%</b>	159%	<b>6.1%</b>	143%
1980	<b>6.4%</b>	156%	<b>7.4%</b>	180%	<b>7.4%</b>	182%	<b>7.4%</b>	182%	<b>9.7%</b>	238%	<b>7.0%</b>	172%	<b>7.0%</b>	171%	<b>6.3%</b>	154%
1990	<b>7.7%</b>	192%	<b>9.1%</b>	227%	<b>9.0%</b>	223%	<b>9.1%</b>	226%	<b>11.9%</b>	295%	<b>8.7%</b>	216%	<b>7.4%</b>	185%	<b>6.8%</b>	168%
2000	<b>11.4%</b>	221%	<b>12.7%</b>	241%	<b>12.5%</b>	237%	<b>12.6%</b>	239%	<b>16.2%</b>	309%	<b>12.0%</b>	228%	<b>10.4%</b>	198%	<b>9.6%</b>	182%
2010	<b>14.5%</b>	223%	<b>14.4%</b>	227%	<b>14.4%</b>	227%	<b>14.4%</b>	227%	<b>16.8%</b>	265%	<b>13.8%</b>	217%	<b>13.1%</b>	206%	<b>12.1%</b>	191%
2020			<b>14.1%</b>	215%	<b>14.1%</b>	216%	<b>14.1%</b>	215%	<b>15.7%</b>	240%	<b>13.5%</b>	207%	<b>13.6%</b>	209%	<b>12.8%</b>	196%
2030			<b>14.5%</b>	211%	<b>14.6%</b>	212%	<b>14.6%</b>	212%	<b>16.3%</b>	237%	<b>14.1%</b>	205%	<b>14.2%</b>	206%	<b>13.5%</b>	196%
2040			<b>15.7%</b>	205%	<b>15.8%</b>	207%	<b>15.7%</b>	206%	<b>17.4%</b>	229%	<b>15.2%</b>	199%	<b>15.1%</b>	198%	<b>14.5%</b>	190%
2050			<b>16.0%</b>	203%	<b>16.2%</b>	205%	<b>16.0%</b>	203%	<b>18.4%</b>	233%	<b>15.5%</b>	196%	<b>15.4%</b>	194%	<b>14.9%</b>	188%
2060			<b>16.5%</b>	205%	<b>16.7%</b>	207%	<b>16.5%</b>	205%	<b>19.0%</b>	236%	<b>15.9%</b>	197%	<b>15.8%</b>	196%	<b>15.2%</b>	189%
2070			<b>16.3%</b>	204%	<b>16.5%</b>	206%	<b>16.3%</b>	204%	<b>18.7%</b>	233%	<b>15.8%</b>	197%	<b>15.6%</b>	195%	<b>14.9%</b>	187%
2080			<b>16.1%</b>	201%	<b>16.2%</b>	203%	<b>16.1%</b>	201%	<b>18.1%</b>	226%	<b>15.6%</b>	195%	<b>15.3%</b>	191%	<b>14.6%</b>	182%
2090			<b>16.0%</b>	197%	<b>16.1%</b>	199%	<b>16.0%</b>	197%	<b>17.8%</b>	219%	<b>15.5%</b>	191%	<b>15.1%</b>	186%	<b>14.4%</b>	177%

**Table D6: Summary simulation results 1900-2100 (contd')**

[17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32]

**Simulated series**

	Uniform savings ( $s=s_k=s_l$ ) & estimated age-labor income profile (2010-2100: growth slowdown to 1.0%)								Uniform savings ( $s=s_k=s_l$ ) & estimated age-labor income profile (2010-2100: growth slowdown to 1.0%) (1900-2100: gifts frozen to $v_t=0\%$ )							
	d1: 2010-2100: g=1.0%, (1- $\tau$ )r=3.0%, s=9.4%		d2: 2010-2100: g=1.0%, (1- $\tau$ )r=5.0%, s=9.4%		d3: 2010-2100: g=1.0%, (1- $\tau$ )r=3.0%, s=6.0%		d4: 2010-2100: g=1.0%, (1- $\tau$ )r=5.0%, s=6.0%		e1: 2010-2100: g=1.0%, (1- $\tau$ )r=3.0%, s=9.4%		e2: 2010-2100: g=1.0%, (1- $\tau$ )r=5.0%, s=9.4%		e3: 2010-2100: g=1.0%, (1- $\tau$ )r=3.0%, s=6.0%		e4: 2010-2100: g=1.0%, (1- $\tau$ )r=5.0%, s=6.0%	
	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$
1900	23.7%	157%	23.7%	157%	23.7%	157%	23.7%	157%	20.3%	134%	20.3%	134%	20.3%	134%	20.3%	134%
1910	21.5%	153%	21.5%	153%	21.5%	153%	21.5%	153%	18.8%	134%	18.8%	134%	18.8%	134%	18.8%	134%
1920	8.5%	132%	8.5%	132%	8.5%	132%	8.5%	132%	7.8%	120%	7.8%	120%	7.8%	120%	7.8%	120%
1930	10.0%	128%	10.0%	128%	10.0%	128%	10.0%	128%	9.3%	120%	9.3%	120%	9.3%	120%	9.3%	120%
1940	10.3%	136%	10.3%	136%	10.3%	136%	10.3%	136%	9.3%	120%	9.3%	120%	9.3%	120%	9.3%	120%
1950	5.3%	151%	5.3%	151%	5.3%	151%	5.3%	151%	4.8%	137%	4.8%	137%	4.8%	137%	4.8%	137%
1960	6.3%	149%	6.3%	149%	6.3%	149%	6.3%	149%	5.8%	136%	5.8%	136%	5.8%	136%	5.8%	136%
1970	6.8%	159%	6.8%	159%	6.8%	159%	6.8%	159%	6.1%	143%	6.1%	143%	6.1%	143%	6.1%	143%
1980	7.4%	180%	7.4%	180%	7.4%	180%	7.4%	180%	6.3%	154%	6.3%	154%	6.3%	154%	6.3%	154%
1990	9.1%	227%	9.1%	227%	9.1%	227%	9.1%	227%	6.8%	168%	6.8%	168%	6.8%	168%	6.8%	168%
2000	12.7%	241%	12.7%	241%	12.7%	241%	12.7%	241%	9.6%	182%	9.6%	182%	9.6%	182%	9.6%	182%
2010	14.9%	227%	14.9%	228%	14.6%	230%	14.6%	230%	12.5%	191%	12.6%	192%	12.3%	194%	12.4%	195%
2020	15.3%	216%	15.5%	218%	14.4%	220%	14.5%	222%	14.0%	197%	14.3%	202%	13.4%	204%	13.5%	207%
2030	16.7%	213%	17.0%	217%	15.1%	219%	15.3%	222%	15.6%	198%	16.0%	205%	14.3%	207%	14.6%	211%
2040	18.8%	208%	19.3%	214%	16.5%	215%	16.7%	219%	17.5%	194%	18.2%	201%	15.5%	203%	15.9%	208%
2050	20.1%	207%	20.7%	213%	16.9%	213%	17.3%	217%	18.8%	194%	19.6%	202%	16.0%	202%	16.5%	207%
2060	21.5%	210%	22.1%	216%	17.4%	215%	17.8%	219%	20.0%	196%	20.8%	204%	16.4%	202%	16.9%	208%
2070	21.9%	211%	22.5%	216%	17.2%	213%	17.5%	217%	20.3%	195%	21.1%	203%	16.1%	199%	16.5%	204%
2080	22.1%	207%	22.7%	212%	16.9%	209%	17.2%	213%	20.4%	191%	21.1%	198%	15.7%	194%	16.1%	198%
2090	22.4%	203%	22.9%	208%	16.8%	205%	17.1%	208%	20.5%	186%	21.2%	192%	15.4%	188%	15.7%	192%

**Table D6: Summary simulation results 1900-2100 (end)**

	[33]	[34]	[35]	[36]	[37]	[38]	[39]	[40]	[41]	[42]	[43]	[44]	[45]	[46]	[47]	[48]
Simulated series																
	Uniform savings ( $s=s_k=s_l$ ) & estimated age-labor income profile (2010-2100: growth boom to 5.0%)								Uniform savings ( $s=s_k=s_l$ ) & estimated age-labor income profile (2010-2100: growth boom to 5.0%) (1900-2100: gifts frozen to $v_t=0\%$ )							
	f1: 2010-2100: g=5.0%, (1- $\tau$ )r=3.0%, s=9.4%		f2: 2010-2100: g=5.0%, (1- $\tau$ )r=5.0%, s=9.4%		f3: 2010-2100: g=5.0%, (1- $\tau$ )r=3.0%, s=25.0%		f4: 2010-2100: g=5.0%, (1- $\tau$ )r=5.0%, s=25.0%		g1: 2010-2100: g=5.0%, (1- $\tau$ )r=3.0%, s=9.4%		g2: 2010-2100: g=5.0%, (1- $\tau$ )r=5.0%, s=9.4%		g3: 2010-2100: g=5.0%, (1- $\tau$ )r=3.0%, s=25.0%		g4: 2010-2100: g=5.0%, (1- $\tau$ )r=5.0%, s=25.0%	
	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$	$b_{yt}$	$\mu_t^*$
1900	23.7%	157%	23.7%	157%	23.7%	157%	23.7%	157%	20.3%	134%	20.3%	134%	20.3%	134%	20.3%	134%
1910	21.5%	153%	21.5%	153%	21.5%	153%	21.5%	153%	18.8%	134%	18.8%	134%	18.8%	134%	18.8%	134%
1920	8.5%	132%	8.5%	132%	8.5%	132%	8.5%	132%	7.8%	120%	7.8%	120%	7.8%	120%	7.8%	120%
1930	10.0%	128%	10.0%	128%	10.0%	128%	10.0%	128%	9.3%	120%	9.3%	120%	9.3%	120%	9.3%	120%
1940	10.3%	136%	10.3%	136%	10.3%	136%	10.3%	136%	9.3%	120%	9.3%	120%	9.3%	120%	9.3%	120%
1950	5.3%	151%	5.3%	151%	5.3%	151%	5.3%	151%	4.8%	137%	4.8%	137%	4.8%	137%	4.8%	137%
1960	6.3%	149%	6.3%	149%	6.3%	149%	6.3%	149%	5.8%	136%	5.8%	136%	5.8%	136%	5.8%	136%
1970	6.8%	159%	6.8%	159%	6.8%	159%	6.8%	159%	6.1%	143%	6.1%	143%	6.1%	143%	6.1%	143%
1980	7.4%	180%	7.4%	180%	7.4%	180%	7.4%	180%	6.3%	154%	6.3%	154%	6.3%	154%	6.3%	154%
1990	9.1%	227%	9.1%	227%	9.1%	227%	9.1%	227%	6.8%	168%	6.8%	168%	6.8%	168%	6.8%	168%
2000	12.7%	241%	12.7%	241%	12.7%	241%	12.7%	241%	9.6%	182%	9.6%	182%	9.6%	182%	9.6%	182%
2010	12.6%	227%	12.6%	228%	13.6%	218%	13.7%	219%	10.5%	190%	10.6%	191%	11.2%	179%	11.4%	182%
2020	9.2%	212%	9.3%	214%	12.3%	196%	12.6%	201%	8.3%	190%	8.4%	194%	10.4%	167%	10.9%	175%
2030	7.5%	202%	7.6%	206%	12.0%	186%	12.4%	192%	6.7%	180%	6.9%	186%	10.0%	156%	10.7%	166%
2040	6.7%	190%	6.8%	194%	12.4%	177%	12.9%	184%	5.8%	165%	6.0%	170%	10.3%	147%	11.0%	157%
2050	5.9%	180%	6.0%	184%	12.4%	172%	12.9%	179%	5.1%	155%	5.2%	160%	10.4%	144%	11.1%	154%
2060	5.5%	176%	5.5%	179%	12.6%	173%	13.1%	180%	4.6%	149%	4.7%	153%	10.5%	144%	11.2%	154%
2070	5.1%	173%	5.1%	176%	12.5%	174%	13.0%	181%	4.2%	143%	4.3%	147%	10.3%	144%	11.0%	153%
2080	4.8%	170%	4.9%	172%	12.3%	172%	12.8%	179%	3.9%	139%	4.0%	142%	10.2%	142%	10.8%	151%
2090	4.7%	167%	4.7%	169%	12.3%	171%	12.8%	177%	3.8%	135%	3.9%	138%	10.1%	140%	10.7%	148%

**Table D7: Estimation and simulation results on lifetime resources of cohorts 1800-2020**

(scenario a1: 2010-2100:  $g=1.7\%$ ,  $(1-\tau)r=3.0\%$ ,  $s=9.4\%$ )

cohort (year of birth)	[1]	[2]	[3]			[4]	[5]	[6]	[7]	[8]			[9]	[10]	[11]
	Lifetime resources in € 2009 (capitalized at age 50)		Average capitalization factor (ratio between capitalized resources and raw resources)			Share of inheritance in total lifetime resources	Average inheritance as a fraction of average labor income resources	Top X% inheritance as a fraction of bottom 50% lifetime labor resources			Fraction $\epsilon^x$ of cohort with inheritance > bottom 50% labor resources				
	lifetime labor resources	lifetime inheritance resources	cap. factor labor	cap. factor inherit.	ratio $\lambda^x$			Top 50%	Top 10%	Top 1%					
1800	154 790 €	44 691 €	194%	232%	83%	22%	29%	91%	433%	2406%	8%				
1801	156 990 €	45 986 €	196%	230%	85%	23%	29%	93%	439%	2441%	9%				
1802	159 151 €	47 245 €	198%	229%	87%	23%	30%	94%	445%	2474%	9%				
1803	161 262 €	48 455 €	200%	227%	88%	23%	30%	95%	451%	2504%	9%				
1804	163 313 €	49 608 €	202%	226%	89%	23%	30%	96%	456%	2531%	9%				
1805	165 291 €	50 880 €	204%	225%	91%	24%	31%	97%	462%	2565%	9%				
1806	167 129 €	52 139 €	206%	223%	92%	24%	31%	99%	468%	2600%	9%				
1807	168 810 €	53 349 €	207%	222%	93%	24%	32%	100%	474%	2634%	9%				
1808	170 319 €	54 481 €	208%	221%	94%	24%	32%	101%	480%	2666%	9%				
1809	171 635 €	55 593 €	209%	220%	95%	24%	32%	103%	486%	2699%	10%				
1810	173 648 €	56 740 €	210%	219%	96%	25%	33%	103%	490%	2723%	10%				
1811	175 608 €	57 284 €	212%	218%	97%	25%	33%	103%	489%	2718%	10%				
1812	177 519 €	58 190 €	213%	218%	98%	25%	33%	104%	492%	2732%	10%				
1813	179 373 €	58 982 €	214%	217%	98%	25%	33%	104%	493%	2740%	10%				
1814	181 162 €	59 844 €	214%	216%	99%	25%	33%	105%	496%	2753%	10%				
1815	182 883 €	60 951 €	215%	216%	100%	25%	33%	106%	500%	2777%	10%				
1816	184 468 €	61 680 €	216%	215%	100%	25%	33%	106%	502%	2786%	10%				
1817	185 901 €	62 687 €	216%	215%	101%	25%	34%	107%	506%	2810%	10%				
1818	187 171 €	63 930 €	217%	214%	101%	25%	34%	108%	512%	2846%	10%				
1819	188 267 €	66 116 €	217%	213%	102%	26%	35%	111%	527%	2927%	11%				
1820	189 091 €	60 507 €	216%	212%	102%	24%	32%	101%	480%	2667%	10%				
1821	189 897 €	60 597 €	215%	210%	102%	24%	32%	101%	479%	2659%	9%				
1822	190 656 €	60 600 €	214%	209%	102%	24%	32%	101%	477%	2649%	9%				
1823	191 343 €	61 400 €	213%	208%	102%	24%	32%	102%	481%	2674%	10%				
1824	191 944 €	60 479 €	212%	207%	103%	24%	32%	100%	473%	2626%	9%				
1825	192 459 €	61 318 €	211%	205%	103%	24%	32%	101%	478%	2655%	9%				
1826	192 796 €	60 292 €	209%	203%	103%	24%	31%	99%	469%	2606%	9%				
1827	192 931 €	61 390 €	208%	202%	103%	24%	32%	101%	477%	2652%	9%				
1828	192 878 €	61 972 €	205%	201%	102%	24%	32%	102%	482%	2677%	10%				
1829	192 459 €	62 958 €	203%	200%	102%	25%	33%	104%	491%	2726%	10%				
1830	190 855 €	62 455 €	197%	196%	100%	25%	33%	104%	491%	2727%	10%				
1831	188 753 €	60 858 €	193%	193%	100%	24%	32%	102%	484%	2687%	10%				
1832	186 603 €	63 813 €	189%	190%	99%	25%	34%	108%	513%	2850%	10%				
1833	184 544 €	60 809 €	185%	187%	99%	25%	33%	104%	494%	2746%	10%				
1834	182 645 €	59 588 €	181%	184%	98%	25%	33%	103%	489%	2719%	10%				
1835	181 074 €	59 465 €	176%	181%	97%	25%	33%	104%	493%	2737%	10%				
1836	179 626 €	60 544 €	172%	178%	97%	25%	34%	107%	506%	2809%	10%				
1837	177 847 €	60 535 €	170%	175%	97%	25%	34%	108%	511%	2836%	10%				
1838	176 891 €	59 695 €	166%	173%	96%	25%	34%	107%	506%	2812%	10%				
1839	176 537 €	59 656 €	162%	170%	95%	25%	34%	107%	507%	2816%	10%				
1840	175 328 €	58 314 €	158%	167%	94%	25%	33%	105%	499%	2772%	10%				
1841	174 028 €	56 549 €	154%	164%	94%	25%	32%	103%	487%	2708%	10%				
1842	172 207 €	55 890 €	152%	160%	95%	25%	32%	103%	487%	2705%	10%				
1843	171 329 €	55 748 €	149%	157%	95%	25%	33%	103%	488%	2712%	10%				
1844	170 278 €	54 932 €	146%	154%	95%	24%	32%	102%	484%	2688%	10%				
1845	170 117 €	54 085 €	143%	152%	94%	24%	32%	101%	477%	2649%	9%				
1846	168 697 €	53 937 €	142%	149%	95%	24%	32%	101%	480%	2664%	9%				
1847	168 762 €	57 151 €	140%	147%	95%	25%	34%	107%	508%	2822%	10%				
1848	168 913 €	54 311 €	138%	145%	95%	24%	32%	102%	482%	2679%	10%				
1849	171 285 €	51 547 €	138%	144%	96%	23%	30%	95%	451%	2508%	9%				
1850	188 713 €	58 546 €	140%	149%	94%	24%	31%	98%	465%	2585%	9%				
1851	187 402 €	57 333 €	139%	148%	94%	23%	31%	97%	459%	2549%	9%				





1980	1 703 473 €	471 266 €	91%	93%	97%	22%	28%	88%	277%	1153%	12%
1981	1 721 133 €	476 780 €	90%	93%	97%	22%	28%	88%	277%	1154%	12%
1982	1 740 296 €	488 717 €	90%	92%	97%	22%	28%	89%	281%	1170%	12%
1983	1 765 998 €	524 111 €	90%	92%	97%	23%	30%	94%	297%	1237%	13%
1984	1 785 723 €	520 559 €	90%	92%	97%	23%	29%	92%	292%	1215%	13%
1985	1 807 798 €	522 454 €	89%	92%	98%	22%	29%	92%	289%	1204%	13%
1986	1 830 118 €	519 236 €	89%	91%	98%	22%	28%	90%	284%	1182%	12%
1987	1 853 004 €	530 763 €	89%	91%	98%	22%	29%	91%	286%	1193%	13%
1988	1 877 039 €	536 773 €	89%	91%	98%	22%	29%	91%	286%	1192%	13%
1989	1 903 145 €	544 542 €	89%	90%	98%	22%	29%	91%	286%	1192%	13%
1990	1 930 557 €	555 004 €	88%	90%	98%	22%	29%	91%	287%	1198%	13%
1991	1 959 363 €	566 548 €	88%	90%	98%	22%	29%	92%	289%	1205%	13%
1992	1 990 253 €	584 602 €	88%	90%	98%	23%	29%	93%	294%	1224%	13%
1993	2 025 404 €	618 370 €	88%	90%	98%	23%	31%	97%	305%	1272%	14%
1994	2 054 076 €	622 728 €	88%	90%	97%	23%	30%	96%	303%	1263%	14%
1995	2 081 173 €	618 218 €	88%	90%	97%	23%	30%	94%	297%	1238%	13%
1996	2 110 094 €	619 607 €	88%	90%	97%	23%	29%	93%	294%	1223%	13%
1997	2 143 135 €	636 169 €	87%	90%	97%	23%	30%	94%	297%	1237%	13%
1998	2 172 473 €	634 118 €	87%	90%	97%	23%	29%	92%	292%	1216%	13%
1999	2 200 936 €	627 204 €	87%	90%	97%	22%	28%	90%	285%	1187%	12%
2000	2 228 332 €	612 651 €	87%	90%	97%	22%	27%	87%	275%	1146%	12%
2001	2 237 716 €	624 232 €	90%	90%	100%	22%	28%	88%	279%	1162%	12%
2002	2 271 094 €	640 218 €	90%	90%	100%	22%	28%	89%	282%	1175%	12%
2003	2 303 291 €	649 184 €	90%	91%	100%	22%	28%	89%	282%	1174%	12%
2004	2 334 866 €	656 165 €	90%	91%	100%	22%	28%	89%	281%	1171%	12%
2005	2 365 553 €	659 102 €	91%	91%	100%	22%	28%	88%	279%	1161%	12%
2006	2 398 961 €	678 260 €	91%	91%	100%	22%	28%	90%	283%	1178%	12%
2007	2 430 396 €	689 602 €	91%	91%	100%	22%	28%	90%	284%	1182%	12%
2008	2 461 157 €	700 611 €	92%	92%	100%	22%	28%	90%	285%	1186%	12%
2009	2 491 219 €	711 317 €	92%	92%	100%	22%	29%	90%	286%	1190%	12%
2010	2 520 563 €	722 016 €	93%	92%	101%	22%	29%	91%	286%	1194%	13%
2011	2 549 275 €	733 181 €	94%	93%	101%	22%	29%	91%	288%	1198%	13%
2012	2 577 303 €	744 795 €	94%	93%	102%	22%	29%	92%	289%	1204%	13%
2013	2 604 661 €	756 847 €	95%	93%	102%	23%	29%	92%	291%	1211%	13%
2014	2 631 318 €	769 250 €	96%	94%	102%	23%	29%	93%	292%	1218%	13%
2015	2 657 306 €	781 904 €	97%	94%	103%	23%	29%	93%	294%	1226%	13%
2016	2 682 687 €	794 960 €	98%	95%	103%	23%	30%	94%	296%	1235%	13%
2017	2 707 416 €	808 370 €	99%	95%	104%	23%	30%	95%	299%	1244%	13%
2018	2 731 518 €	822 174 €	100%	96%	104%	23%	30%	95%	301%	1254%	14%
2019	2 754 991 €	835 138 €	101%	96%	105%	23%	30%	96%	303%	1263%	14%
2020	2 777 782 €	848 152 €	102%	97%	105%	23%	31%	97%	305%	1272%	14%
2021	2 799 534 €	861 113 €	103%	98%	105%	24%	31%	97%	308%	1282%	14%
2022	2 820 530 €	873 713 €	104%	99%	106%	24%	31%	98%	310%	1291%	14%
2023	2 840 745 €	885 618 €	105%	99%	106%	24%	31%	99%	312%	1299%	14%
2024	2 860 196 €	896 513 €	106%	100%	106%	24%	31%	99%	313%	1306%	15%
2025	2 878 871 €	906 216 €	107%	101%	106%	24%	31%	100%	315%	1312%	15%
2026	2 896 742 €	914 696 €	109%	102%	107%	24%	32%	100%	316%	1316%	15%
2027	2 913 791 €	922 006 €	110%	103%	107%	24%	32%	100%	316%	1318%	15%
2028	2 929 971 €	928 209 €	111%	104%	107%	24%	32%	100%	317%	1320%	15%
2029	2 945 241 €	933 418 €	112%	104%	108%	24%	32%	100%	317%	1321%	15%
2030	2 959 591 €	937 774 €	114%	105%	108%	24%	32%	100%	317%	1320%	15%









2001	1 391 325 €	636 116 €	116%	97%	120%	<b>31%</b>	<b>46%</b>	145%	457%	1905%	19%
2002	1 397 401 €	651 221 €	115%	97%	119%	<b>32%</b>	<b>47%</b>	148%	466%	1942%	19%
2003	1 402 898 €	659 103 €	116%	97%	119%	<b>32%</b>	<b>47%</b>	149%	470%	1958%	20%
2004	1 408 207 €	664 908 €	116%	97%	119%	<b>32%</b>	<b>47%</b>	150%	472%	1967%	20%
2005	1 413 193 €	666 570 €	116%	97%	119%	<b>32%</b>	<b>47%</b>	149%	472%	1965%	20%
2006	1 419 697 €	684 581 €	116%	98%	119%	<b>33%</b>	<b>48%</b>	153%	482%	2009%	20%
2007	1 425 460 €	694 643 €	116%	98%	119%	<b>33%</b>	<b>49%</b>	154%	487%	2030%	21%
2008	1 431 144 €	704 347 €	117%	98%	119%	<b>33%</b>	<b>49%</b>	156%	492%	2051%	21%
2009	1 436 746 €	713 747 €	118%	99%	119%	<b>33%</b>	<b>50%</b>	157%	497%	2070%	21%
2010	1 442 266 €	723 166 €	118%	99%	119%	<b>33%</b>	<b>50%</b>	159%	501%	2089%	22%
2011	1 447 743 €	733 101 €	119%	99%	120%	<b>34%</b>	<b>51%</b>	160%	506%	2110%	22%
2012	1 453 145 €	743 554 €	120%	100%	120%	<b>34%</b>	<b>51%</b>	162%	512%	2132%	22%
2013	1 458 460 €	754 531 €	121%	100%	120%	<b>34%</b>	<b>52%</b>	164%	517%	2156%	23%
2014	1 463 662 €	765 952 €	122%	101%	120%	<b>34%</b>	<b>52%</b>	166%	523%	2180%	23%
2015	1 468 751 €	777 718 €	123%	102%	121%	<b>35%</b>	<b>53%</b>	168%	530%	2206%	23%
2016	1 473 757 €	789 970 €	124%	102%	121%	<b>35%</b>	<b>54%</b>	170%	536%	2233%	24%
2017	1 478 643 €	802 645 €	125%	103%	121%	<b>35%</b>	<b>54%</b>	172%	543%	2262%	24%
2018	1 483 407 €	815 763 €	126%	104%	122%	<b>35%</b>	<b>55%</b>	174%	550%	2291%	25%
2019	1 488 038 €	828 688 €	128%	105%	122%	<b>36%</b>	<b>56%</b>	176%	557%	2320%	25%
2020	1 492 498 €	841 765 €	129%	106%	122%	<b>36%</b>	<b>56%</b>	179%	564%	2350%	26%
2021	1 496 705 €	854 884 €	131%	107%	122%	<b>36%</b>	<b>57%</b>	181%	571%	2380%	26%
2022	1 500 692 €	867 741 €	132%	108%	122%	<b>37%</b>	<b>58%</b>	183%	578%	2409%	27%
2023	1 504 442 €	880 009 €	134%	109%	122%	<b>37%</b>	<b>58%</b>	185%	585%	2437%	27%
2024	1 507 965 €	891 380 €	135%	110%	122%	<b>37%</b>	<b>59%</b>	187%	591%	2463%	28%
2025	1 511 244 €	901 686 €	137%	112%	123%	<b>37%</b>	<b>60%</b>	189%	597%	2486%	28%
2026	1 514 267 €	910 909 €	139%	113%	123%	<b>38%</b>	<b>60%</b>	190%	602%	2506%	28%
2027	1 517 019 €	919 115 €	140%	114%	123%	<b>38%</b>	<b>61%</b>	192%	606%	2524%	29%
2028	1 519 473 €	926 385 €	142%	116%	123%	<b>38%</b>	<b>61%</b>	193%	610%	2540%	29%
2029	1 521 607 €	932 851 €	144%	117%	123%	<b>38%</b>	<b>61%</b>	194%	613%	2554%	29%
2030	1 523 415 €	938 634 €	146%	119%	123%	<b>38%</b>	<b>62%</b>	195%	616%	2567%	29%





















1888	1%	8%	26%	59%	86%	100%	111%	133%	156%	<b>21.7%</b>	143%	121%	692%	31%	4.3%
1889	1%	8%	26%	58%	86%	100%	110%	133%	158%	<b>21.9%</b>	145%	121%	690%	31%	4.3%
1890	1%	8%	26%	58%	85%	100%	108%	134%	160%	<b>21.4%</b>	142%	121%	687%	27%	3.7%
1891	1%	8%	25%	57%	85%	100%	108%	133%	159%	<b>21.6%</b>	144%	122%	685%	27%	3.7%
1892	1%	8%	26%	56%	85%	100%	108%	132%	159%	<b>21.3%</b>	142%	122%	683%	27%	3.7%
1893	1%	8%	26%	56%	85%	100%	109%	131%	159%	<b>21.6%</b>	144%	122%	682%	27%	3.7%
1894	1%	8%	25%	55%	85%	100%	109%	130%	159%	<b>21.6%</b>	145%	122%	680%	27%	3.8%
1895	1%	8%	25%	54%	85%	100%	109%	128%	159%	<b>21.5%</b>	144%	122%	679%	27%	3.8%
1896	1%	8%	25%	53%	85%	100%	109%	127%	160%	<b>21.7%</b>	145%	123%	679%	27%	3.8%
1897	1%	8%	25%	53%	85%	100%	109%	125%	161%	<b>21.7%</b>	145%	123%	679%	27%	3.8%
1898	1%	8%	25%	52%	84%	100%	109%	124%	161%	<b>21.9%</b>	146%	123%	678%	27%	3.8%
1899	1%	8%	25%	51%	84%	100%	109%	123%	162%	<b>21.7%</b>	145%	123%	678%	27%	3.8%
1900	1%	7%	24%	53%	84%	100%	113%	126%	153%	<b>21.5%</b>	143%	123%	678%	27%	3.8%
1901	1%	7%	24%	53%	84%	100%	113%	128%	154%	<b>22.6%</b>	148%	123%	676%	27%	3.8%
1902	1%	8%	24%	54%	83%	100%	113%	127%	153%	<b>21.8%</b>	147%	123%	673%	27%	3.9%
1903	1%	8%	24%	53%	83%	100%	112%	129%	154%	<b>21.6%</b>	148%	124%	670%	27%	3.9%
1904	1%	8%	24%	53%	82%	100%	111%	129%	153%	<b>21.6%</b>	148%	125%	667%	27%	3.9%
1905	1%	8%	24%	52%	81%	100%	110%	129%	152%	<b>22.0%</b>	146%	125%	664%	27%	3.9%
1906	1%	8%	23%	51%	79%	100%	109%	127%	151%	<b>22.2%</b>	149%	125%	661%	27%	3.9%
1907	1%	8%	24%	51%	79%	100%	110%	127%	151%	<b>23.1%</b>	148%	125%	658%	27%	3.9%
1908	1%	8%	24%	51%	79%	100%	111%	128%	152%	<b>21.3%</b>	147%	125%	655%	27%	4.0%
1909	1%	8%	24%	50%	79%	100%	111%	129%	152%	<b>22.4%</b>	150%	126%	652%	27%	4.0%
1910	1%	8%	24%	50%	79%	100%	111%	129%	153%	<b>20.8%</b>	152%	126%	649%	35%	5.2%
1911	1%	8%	24%	50%	79%	100%	111%	129%	152%	<b>21.8%</b>	151%	127%	648%	35%	5.2%
1912	1%	8%	25%	50%	81%	100%	112%	128%	153%	<b>20.0%</b>	148%	125%	646%	35%	5.2%
1913	1%	8%	25%	50%	80%	100%	112%	128%	155%	<b>0.0%</b>	0%	0%	645%	35%	5.2%



1888	1%	6%	19%	47%	77%	100%	122%	153%	194%	<b>21.3%</b>	140%	140%	692%	31%	4.3%
1889	1%	6%	19%	46%	77%	100%	120%	153%	194%	<b>21.2%</b>	140%	140%	689%	31%	4.3%
1890	1%	6%	19%	46%	76%	100%	119%	154%	194%	<b>21.1%</b>	140%	140%	687%	27%	3.7%
1891	1%	6%	18%	45%	76%	100%	119%	152%	192%	<b>21.1%</b>	141%	141%	685%	27%	3.7%
1892	1%	5%	19%	45%	76%	100%	119%	150%	190%	<b>21.0%</b>	140%	140%	683%	27%	3.7%
1893	1%	5%	19%	45%	76%	100%	120%	150%	190%	<b>21.0%</b>	140%	140%	682%	27%	3.7%
1894	1%	5%	19%	44%	76%	100%	120%	148%	189%	<b>21.0%</b>	140%	140%	680%	27%	3.8%
1895	1%	5%	18%	44%	76%	100%	120%	146%	188%	<b>20.9%</b>	140%	140%	678%	27%	3.8%
1896	1%	5%	18%	43%	76%	100%	120%	145%	188%	<b>21.0%</b>	140%	140%	678%	27%	3.8%
1897	1%	5%	18%	43%	76%	100%	120%	144%	188%	<b>21.0%</b>	140%	140%	678%	27%	3.8%
1898	1%	5%	18%	42%	75%	100%	120%	142%	188%	<b>21.0%</b>	140%	140%	678%	27%	3.8%
1899	1%	5%	18%	42%	75%	100%	120%	141%	188%	<b>21.0%</b>	140%	140%	678%	27%	3.8%
1900	1%	5%	18%	43%	75%	100%	125%	146%	178%	<b>21.1%</b>	141%	141%	678%	27%	3.8%
1901	1%	5%	18%	43%	75%	100%	125%	147%	179%	<b>21.4%</b>	140%	140%	675%	27%	3.8%
1902	1%	5%	17%	43%	75%	100%	125%	147%	178%	<b>20.7%</b>	140%	140%	672%	27%	3.9%
1903	1%	5%	17%	43%	74%	100%	124%	149%	179%	<b>20.6%</b>	142%	142%	670%	27%	3.9%
1904	1%	5%	17%	43%	74%	100%	123%	149%	178%	<b>20.8%</b>	142%	142%	667%	27%	3.9%
1905	1%	5%	17%	42%	73%	100%	122%	149%	177%	<b>21.3%</b>	142%	142%	664%	27%	3.9%
1906	1%	5%	17%	42%	71%	100%	121%	147%	175%	<b>21.2%</b>	142%	142%	661%	27%	3.9%
1907	1%	5%	17%	41%	71%	100%	121%	147%	176%	<b>22.2%</b>	142%	142%	658%	27%	3.9%
1908	1%	5%	18%	41%	71%	100%	122%	148%	176%	<b>20.4%</b>	142%	142%	655%	27%	4.0%
1909	1%	5%	18%	41%	71%	100%	122%	148%	177%	<b>21.4%</b>	144%	144%	652%	27%	4.0%
1910	1%	5%	18%	41%	71%	100%	122%	148%	177%	<b>19.6%</b>	143%	143%	649%	35%	5.2%
1911	1%	5%	18%	41%	71%	100%	122%	148%	176%	<b>20.9%</b>	145%	145%	648%	35%	5.2%
1912	1%	5%	18%	40%	72%	100%	123%	147%	177%	<b>19.2%</b>	142%	142%	646%	35%	5.2%
1913	1%	5%	18%	41%	72%	100%	123%	147%	180%	<b>0.0%</b>	0%	0%	644%	35%	5.2%







2045	0%	1%	8%	26%	60%	100%	125%	115%	89%	<b>15.8%</b>	205%	113%	549%	24%	3.0%
2046	0%	1%	8%	25%	59%	100%	124%	116%	89%	<b>15.8%</b>	204%	112%	549%	24%	3.0%
2047	0%	1%	8%	25%	59%	100%	123%	117%	88%	<b>15.8%</b>	204%	112%	549%	24%	3.0%
2048	0%	1%	7%	25%	58%	100%	122%	117%	88%	<b>15.7%</b>	203%	112%	550%	24%	3.0%
2049	0%	1%	7%	25%	58%	100%	122%	118%	88%	<b>15.7%</b>	202%	111%	550%	24%	3.0%
2050	0%	1%	7%	25%	58%	100%	122%	119%	88%	<b>15.8%</b>	202%	111%	550%	24%	3.0%
2051	0%	1%	7%	25%	58%	100%	123%	120%	89%	<b>15.5%</b>	202%	111%	551%	24%	3.0%
2052	0%	1%	7%	25%	58%	100%	124%	121%	90%	<b>15.7%</b>	202%	111%	551%	24%	3.0%
2053	0%	1%	8%	25%	58%	100%	125%	122%	90%	<b>15.8%</b>	202%	111%	551%	24%	3.0%
2054	0%	1%	8%	25%	59%	100%	126%	123%	91%	<b>16.0%</b>	203%	111%	552%	24%	3.0%
2055	0%	1%	8%	26%	59%	100%	127%	124%	92%	<b>16.1%</b>	203%	112%	552%	24%	3.0%
2056	0%	1%	8%	26%	60%	100%	128%	125%	93%	<b>16.2%</b>	203%	112%	552%	24%	3.0%
2057	0%	1%	8%	26%	60%	100%	129%	125%	94%	<b>16.3%</b>	203%	112%	553%	24%	3.0%
2058	0%	1%	8%	26%	60%	100%	130%	125%	95%	<b>16.4%</b>	204%	112%	553%	24%	3.0%
2059	0%	1%	8%	27%	61%	100%	130%	124%	95%	<b>16.4%</b>	204%	112%	553%	24%	3.0%
2060	0%	2%	8%	27%	61%	100%	130%	124%	96%	<b>16.5%</b>	204%	112%	554%	24%	3.0%
2061	0%	2%	8%	27%	61%	100%	129%	124%	95%	<b>16.5%</b>	204%	112%	554%	24%	3.0%
2062	0%	2%	8%	27%	61%	100%	129%	124%	95%	<b>16.5%</b>	205%	112%	554%	24%	3.0%
2063	0%	2%	8%	27%	61%	100%	128%	124%	95%	<b>16.5%</b>	205%	113%	555%	24%	3.0%
2064	0%	2%	8%	27%	62%	100%	127%	124%	95%	<b>16.5%</b>	205%	113%	555%	24%	3.0%
2065	0%	2%	8%	27%	62%	100%	126%	124%	95%	<b>16.5%</b>	205%	113%	555%	24%	3.0%
2066	0%	2%	8%	27%	62%	100%	125%	124%	94%	<b>16.5%</b>	205%	113%	555%	24%	3.0%
2067	0%	2%	8%	27%	62%	100%	124%	124%	94%	<b>16.5%</b>	205%	113%	556%	24%	3.0%
2068	0%	2%	8%	27%	62%	100%	123%	124%	93%	<b>16.5%</b>	205%	113%	556%	24%	3.0%
2069	0%	2%	8%	27%	62%	100%	122%	123%	93%	<b>16.4%</b>	205%	113%	556%	24%	3.0%
2070	0%	2%	8%	27%	62%	100%	122%	123%	93%	<b>16.4%</b>	205%	113%	556%	24%	3.0%
2071	0%	2%	8%	27%	62%	100%	122%	122%	92%	<b>16.4%</b>	205%	113%	557%	24%	3.0%
2072	0%	2%	8%	27%	62%	100%	121%	121%	92%	<b>16.4%</b>	205%	113%	557%	24%	3.0%
2073	0%	2%	8%	27%	62%	100%	121%	120%	92%	<b>16.4%</b>	205%	113%	557%	24%	3.0%
2074	0%	2%	8%	27%	62%	100%	121%	119%	91%	<b>16.3%</b>	205%	113%	557%	24%	3.0%
2075	0%	2%	8%	27%	62%	100%	120%	117%	91%	<b>16.3%</b>	204%	112%	558%	24%	3.0%
2076	0%	2%	8%	27%	62%	100%	120%	116%	91%	<b>16.3%</b>	204%	112%	558%	24%	3.0%
2077	0%	2%	8%	27%	62%	100%	120%	115%	90%	<b>16.3%</b>	204%	112%	558%	24%	3.0%
2078	0%	2%	8%	27%	62%	100%	120%	115%	90%	<b>16.3%</b>	203%	112%	558%	24%	3.0%
2079	0%	2%	8%	27%	62%	100%	120%	114%	90%	<b>16.3%</b>	203%	111%	559%	24%	3.0%
2080	0%	2%	8%	27%	62%	100%	120%	114%	89%	<b>16.2%</b>	202%	111%	559%	24%	3.0%
2081	0%	2%	8%	27%	62%	100%	120%	114%	89%	<b>16.2%</b>	202%	111%	559%	24%	3.0%
2082	0%	2%	8%	27%	62%	100%	120%	113%	88%	<b>16.2%</b>	202%	111%	559%	24%	3.0%
2083	0%	2%	8%	27%	62%	100%	121%	113%	88%	<b>16.1%</b>	202%	111%	559%	24%	3.0%
2084	0%	2%	8%	27%	62%	100%	121%	114%	88%	<b>16.1%</b>	201%	111%	560%	24%	3.0%
2085	0%	2%	8%	27%	62%	100%	121%	114%	87%	<b>16.1%</b>	201%	111%	560%	24%	3.0%
2086	0%	2%	8%	28%	62%	100%	121%	114%	87%	<b>16.0%</b>	201%	110%	560%	24%	3.0%
2087	0%	2%	8%	28%	62%	100%	122%	114%	87%	<b>16.0%</b>	200%	110%	560%	24%	3.0%
2088	0%	2%	8%	28%	62%	100%	122%	114%	87%	<b>16.0%</b>	200%	110%	560%	24%	3.0%
2089	0%	2%	8%	28%	62%	100%	122%	115%	86%	<b>16.0%</b>	200%	110%	561%	24%	3.0%
2090	0%	2%	8%	28%	62%	100%	122%	115%	86%	<b>16.0%</b>	199%	109%	561%	24%	3.0%
2091	0%	2%	8%	28%	62%	100%	122%	115%	86%	<b>16.0%</b>	199%	109%	561%	24%	3.0%
2092	0%	2%	8%	28%	63%	100%	122%	115%	86%	<b>16.0%</b>	198%	109%	561%	24%	3.0%
2093	0%	2%	8%	28%	63%	100%	122%	115%	86%	<b>16.0%</b>	198%	109%	561%	24%	3.0%
2094	0%	2%	8%	28%	63%	100%	122%	115%	86%	<b>16.0%</b>	197%	108%	562%	24%	3.0%
2095	0%	2%	8%	28%	62%	100%	122%	116%	85%	<b>16.0%</b>	197%	108%	562%	24%	3.0%
2096	0%	2%	8%	28%	62%	100%	122%	116%	85%	<b>16.0%</b>	196%	108%	562%	24%	3.0%
2097	0%	2%	8%	27%	62%	100%	121%	116%	85%	<b>15.9%</b>	196%	108%	562%	24%	3.0%
2098	0%	2%	8%	27%	62%	100%	121%	116%	85%	<b>15.9%</b>	196%	108%	562%	24%	3.0%
2099	0%	2%	8%	27%	62%	100%	121%	116%	85%	<b>15.9%</b>	195%	107%	562%	24%	3.0%
2100	0%	2%	8%	27%	62%	100%	121%	116%	85%	0.0%	0%	0%	563%	24%	3.0%





2047	0%	2%	8%	24%	51%	100%	152%	188%	207%	15%	189%	189%	549%	24%	3.0%
2048	0%	2%	8%	24%	51%	100%	151%	189%	208%	15%	189%	189%	550%	24%	3.0%
2049	0%	2%	8%	24%	51%	100%	151%	190%	209%	15%	190%	190%	550%	24%	3.0%
2050	0%	2%	8%	24%	51%	100%	151%	192%	210%	15%	190%	190%	550%	24%	3.0%
2051	0%	2%	8%	24%	51%	100%	152%	193%	211%	14%	188%	188%	551%	24%	3.0%
2052	0%	2%	8%	24%	51%	100%	153%	194%	212%	15%	188%	188%	551%	24%	3.0%
2053	0%	2%	8%	24%	52%	100%	154%	196%	214%	15%	188%	188%	551%	24%	3.0%
2054	0%	2%	9%	25%	52%	100%	155%	198%	215%	15%	188%	188%	552%	24%	3.0%
2055	0%	2%	9%	25%	52%	100%	157%	199%	218%	15%	188%	188%	552%	24%	3.0%
2056	0%	2%	9%	25%	53%	100%	157%	199%	220%	15%	188%	188%	552%	24%	3.0%
2057	0%	2%	9%	25%	53%	100%	158%	198%	222%	15%	188%	188%	553%	24%	3.0%
2058	0%	2%	9%	25%	53%	100%	159%	198%	224%	15%	188%	188%	553%	24%	3.0%
2059	0%	2%	9%	25%	54%	100%	159%	197%	226%	15%	188%	188%	553%	24%	3.0%
2060	0%	2%	9%	25%	54%	100%	158%	196%	226%	15%	188%	188%	554%	24%	3.0%
2061	0%	2%	9%	25%	54%	100%	157%	195%	225%	15%	188%	188%	554%	24%	3.0%
2062	0%	2%	9%	25%	54%	100%	156%	195%	225%	15%	188%	188%	554%	24%	3.0%
2063	0%	2%	9%	25%	54%	100%	155%	195%	224%	15%	189%	189%	555%	24%	3.0%
2064	0%	2%	9%	25%	54%	100%	153%	194%	224%	15%	189%	189%	555%	24%	3.0%
2065	0%	2%	9%	25%	54%	100%	152%	194%	223%	15%	189%	189%	555%	24%	3.0%
2066	0%	2%	9%	25%	54%	100%	150%	193%	222%	15%	189%	189%	555%	24%	3.0%
2067	0%	2%	9%	25%	54%	100%	149%	192%	221%	15%	189%	189%	556%	24%	3.0%
2068	0%	2%	9%	25%	54%	100%	148%	192%	220%	15%	189%	189%	556%	24%	3.0%
2069	0%	2%	9%	25%	54%	100%	148%	191%	219%	15%	189%	189%	556%	24%	3.0%
2070	0%	2%	9%	25%	54%	100%	147%	190%	218%	15%	189%	189%	556%	24%	3.0%
2071	0%	2%	9%	25%	54%	100%	147%	188%	217%	15%	189%	189%	557%	24%	3.0%
2072	0%	2%	9%	25%	54%	100%	146%	186%	216%	15%	188%	188%	557%	24%	3.0%
2073	0%	2%	9%	25%	54%	100%	146%	184%	215%	15%	188%	188%	557%	24%	3.0%
2074	0%	2%	9%	25%	54%	100%	146%	182%	214%	15%	187%	187%	557%	24%	3.0%
2075	0%	2%	9%	25%	54%	100%	146%	180%	214%	15%	186%	186%	558%	24%	3.0%
2076	0%	2%	9%	25%	54%	100%	146%	179%	213%	15%	186%	186%	558%	24%	3.0%
2077	0%	2%	9%	25%	54%	100%	145%	178%	212%	15%	185%	185%	558%	24%	3.0%
2078	0%	2%	9%	25%	54%	100%	145%	176%	212%	15%	185%	185%	558%	24%	3.0%
2079	0%	2%	9%	25%	54%	100%	145%	175%	211%	15%	184%	184%	559%	24%	3.0%
2080	0%	2%	9%	25%	54%	100%	145%	175%	210%	15%	184%	184%	559%	24%	3.0%
2081	0%	2%	9%	25%	54%	100%	146%	175%	209%	15%	184%	184%	559%	24%	3.0%
2082	0%	2%	9%	25%	54%	100%	146%	175%	208%	15%	183%	183%	559%	24%	3.0%
2083	0%	2%	9%	25%	54%	100%	146%	175%	207%	15%	183%	183%	559%	24%	3.0%
2084	0%	2%	9%	25%	54%	100%	146%	175%	207%	15%	183%	183%	560%	24%	3.0%
2085	0%	2%	9%	25%	54%	100%	147%	176%	206%	15%	182%	182%	560%	24%	3.0%
2086	0%	2%	9%	25%	54%	100%	147%	176%	205%	15%	182%	182%	560%	24%	3.0%
2087	0%	2%	9%	25%	54%	100%	147%	176%	205%	14%	181%	181%	560%	24%	3.0%
2088	0%	2%	9%	25%	54%	100%	147%	177%	204%	14%	181%	181%	560%	24%	3.0%
2089	0%	2%	9%	25%	54%	100%	148%	177%	204%	14%	180%	180%	561%	24%	3.0%
2090	0%	2%	9%	25%	55%	100%	148%	177%	204%	14%	180%	180%	561%	24%	3.0%
2091	0%	2%	9%	25%	55%	100%	148%	177%	203%	14%	179%	179%	561%	24%	3.0%
2092	0%	2%	9%	25%	55%	100%	148%	178%	203%	14%	178%	178%	561%	24%	3.0%
2093	0%	2%	9%	25%	55%	100%	147%	178%	203%	14%	178%	178%	561%	24%	3.0%
2094	0%	2%	9%	25%	55%	100%	147%	178%	203%	14%	177%	177%	562%	24%	3.0%
2095	0%	2%	9%	25%	55%	100%	147%	178%	203%	14%	177%	177%	562%	24%	3.0%
2096	0%	2%	9%	25%	55%	100%	147%	178%	202%	14%	176%	176%	562%	24%	3.0%
2097	0%	2%	9%	25%	54%	100%	146%	179%	202%	14%	176%	176%	562%	24%	3.0%
2098	0%	2%	9%	25%	54%	100%	146%	179%	202%	14%	176%	176%	562%	24%	3.0%
2099	0%	2%	9%	25%	54%	100%	146%	179%	202%	14%	176%	176%	562%	24%	3.0%
2100	0%	2%	9%	25%	54%	100%	146%	178%	202%	0%	0%	0%	563%	24%	3.0%

**Table E1: Illustration of the  $\mu(g)$  steady-state formula**

(proposition 3: exogenous saving model, closed economy, equations (E1)-(E4))

( $b_y^* = \mu^* m^* \beta^*$  computed for fixed  $\beta^* = s/g = 600\%$ , i.e. assuming that  $s_K$  and  $s_L$  adjusts;  $\mu^*$  unaffected by  $\beta^*$ )

$\alpha$	$1-\alpha$	$\beta^*$	Class savings ( $s_L=0$ & $s_K>0$ )		Uniform savings ( $s_L=s_K=s$ ) & $\rho=1$		Partial class savings ( $s_L/s<1$ ) & $\rho=1$		Uniform savings ( $s_L=s_K=s$ ) & replacement rate $\rho<1$				
A	H	R					$s_L/s$	50%	$\rho$	50%	$\rho$	0%	
30%	70%	600%	D	$I = D-H$	g	$\mu^*=\mu(g)$	$b_y^*$	$\mu^*=\mu(g)$	$b_y^*$	$\mu^*=\mu(g)$	$b_y^*$	$\mu^*=\mu(g)$	$b_y^*$
20	30	60	60	30	0%	133%	20%	133%	20%	133%	20%	133%	20%
			70	40	0%	167%	20%	167%	20%	167%	20%	167%	20%
			<b>80</b>	<b>50</b>	<b>0%</b>	<b>200%</b>	<b>20%</b>	<b>200%</b>	<b>20%</b>	<b>200%</b>	<b>20%</b>	<b>200%</b>	<b>20%</b>
			60	30	1%	133%	20%	129%	19%	131%	20%	129%	19%
			70	40	1%	167%	20%	156%	19%	161%	19%	153%	18%
			<b>80</b>	<b>50</b>	<b>1%</b>	<b>200%</b>	<b>20%</b>	<b>181%</b>	<b>18%</b>	<b>190%</b>	<b>19%</b>	<b>176%</b>	<b>18%</b>
			60	30	2%	133%	20%	125%	19%	129%	19%	125%	19%
			70	40	2%	167%	20%	147%	18%	156%	19%	142%	17%
			<b>80</b>	<b>50</b>	<b>2%</b>	<b>200%</b>	<b>20%</b>	<b>166%</b>	<b>17%</b>	<b>181%</b>	<b>18%</b>	<b>156%</b>	<b>16%</b>
			60	30	3%	133%	20%	122%	18%	127%	19%	122%	18%
			70	40	3%	167%	20%	139%	17%	151%	18%	132%	16%
			<b>80</b>	<b>50</b>	<b>3%</b>	<b>200%</b>	<b>20%</b>	<b>153%</b>	<b>15%</b>	<b>173%</b>	<b>17%</b>	<b>140%</b>	<b>14%</b>
			60	30	4%	133%	20%	119%	18%	125%	19%	119%	18%
			70	40	4%	167%	20%	133%	16%	147%	18%	123%	15%
			<b>80</b>	<b>50</b>	<b>4%</b>	<b>200%</b>	<b>20%</b>	<b>143%</b>	<b>14%</b>	<b>166%</b>	<b>17%</b>	<b>127%</b>	<b>13%</b>
			60	30	5%	133%	20%	116%	17%	123%	18%	116%	17%
			70	40	5%	167%	20%	127%	15%	143%	17%	116%	14%
			<b>80</b>	<b>50</b>	<b>5%</b>	<b>200%</b>	<b>20%</b>	<b>135%</b>	<b>13%</b>	<b>159%</b>	<b>16%</b>	<b>116%</b>	<b>12%</b>
			60	30	10%	133%	20%	107%	16%	116%	17%	107%	16%
			70	40	10%	167%	20%	111%	13%	127%	15%	91%	11%
			<b>80</b>	<b>50</b>	<b>10%</b>	<b>200%</b>	<b>20%</b>	<b>112%</b>	<b>11%</b>	<b>135%</b>	<b>13%</b>	<b>83%</b>	<b>8%</b>

**Table E2: Illustration of the  $\mu(g,r)$  steady-state formula**  
 (proposition 4: exogenous saving model, open economy, equation (E5)) (case  $\rho=1$ )  
 ( $b_y^* = \mu^* m^* \beta^{**}$  computed for fixed  $\beta^{**} = s_L / [g - r(s_K - s_L)] = 600\%$ , i.e. assuming that  $s_L$  adjusts;  $\mu^*$  unaffected by  $\beta^{**}$ )

$s_K$		$\beta^{**}$		$\mu(g,r)$ for given r			$\mu(g,r)$ for given g			$\mu(g,r)$ for given r-g		
20%		600%		r			g			r-g		
A	H	5%			2%			3%				
20	30											
D	I = D-H	g	$\mu^* = \mu(g,r)$	$b_y^*$	r	$\mu^* = \mu(g,r)$	$b_y^*$	g	$\mu^* = \mu(g,r)$	$b_y^*$		
60	30	0%	133%	20%	0%	122%	18%	0%	133%	20%		
70	40	0%	167%	20%	0%	140%	17%	0%	167%	20%		
<b>80</b>	<b>50</b>	<b>0%</b>	<b>200%</b>	<b>20%</b>	<b>0%</b>	<b>155%</b>	<b>15%</b>	<b>0%</b>	<b>200%</b>	<b>20%</b>		
60	30	1%	133%	20%	1%	123%	18%	1%	132%	20%		
70	40	1%	167%	20%	1%	142%	17%	1%	163%	20%		
<b>80</b>	<b>50</b>	<b>1%</b>	<b>200%</b>	<b>20%</b>	<b>1%</b>	<b>158%</b>	<b>16%</b>	<b>1%</b>	<b>194%</b>	<b>19%</b>		
60	30	2%	127%	19%	2%	124%	19%	2%	127%	19%		
70	40	2%	152%	18%	2%	144%	17%	2%	152%	18%		
<b>80</b>	<b>50</b>	<b>2%</b>	<b>174%</b>	<b>17%</b>	<b>2%</b>	<b>162%</b>	<b>16%</b>	<b>2%</b>	<b>174%</b>	<b>17%</b>		
60	30	3%	122%	18%	3%	125%	19%	3%	123%	18%		
70	40	3%	140%	17%	3%	147%	18%	3%	142%	17%		
<b>80</b>	<b>50</b>	<b>3%</b>	<b>155%</b>	<b>15%</b>	<b>3%</b>	<b>166%</b>	<b>17%</b>	<b>3%</b>	<b>158%</b>	<b>16%</b>		
60	30	4%	118%	18%	4%	126%	19%	4%	119%	18%		
70	40	4%	131%	16%	4%	149%	18%	4%	134%	16%		
<b>80</b>	<b>50</b>	<b>4%</b>	<b>141%</b>	<b>14%</b>	<b>4%</b>	<b>170%</b>	<b>17%</b>	<b>4%</b>	<b>146%</b>	<b>15%</b>		
60	30	5%	114%	17%	5%	127%	19%	5%	116%	17%		
70	40	5%	124%	15%	5%	152%	18%	5%	128%	15%		
<b>80</b>	<b>50</b>	<b>5%</b>	<b>130%</b>	<b>13%</b>	<b>5%</b>	<b>174%</b>	<b>17%</b>	<b>5%</b>	<b>136%</b>	<b>14%</b>		
60	30	10%	104%	16%	10%	133%	20%	10%	106%	16%		
70	40	10%	106%	13%	10%	167%	20%	10%	109%	13%		
<b>80</b>	<b>50</b>	<b>10%</b>	<b>107%</b>	<b>11%</b>	<b>10%</b>	<b>200%</b>	<b>20%</b>	<b>10%</b>	<b>111%</b>	<b>11%</b>		



**Table E3: Illustration of the lifecycle formulas  $s_L(r-g)$  and  $\beta_L(r-g)$**   
(proposition 7: dynastic model, equations (E8)-(E9))

A	H	$s_L(r^*-g)$ and $\beta_L(r^*-g)$ ( $\beta^*=\alpha/r^*$ computed for $g=0\%$ and $r^*=r^*-g=\theta$ ; $s_L$ and $\beta_L$ unaffected by $\beta^*$ )				$s_L(r^*-g)$ and $\beta_L(r^*-g)$ for given $r^*$ ( $\beta^*=\alpha/r^*$ fixed at 600%, i.e. assuming $\theta$ adjusts; $s_L$ and $\beta_L$ unaffected by $\beta^*$ )				$r^*$	$s_L(r^*-g)$ and $\beta_L(r^*-g)$ with endogenous $r^*=\theta+\sigma g$ and $\beta^*=\alpha/r^*$ ( $s_L$ and $\beta_L$ unaffected by $\beta^*$ )		$\theta$
20	30									5%			2%
R	$\alpha$												$\sigma$
60	30%												2
D	I = D-H	$r^*-g$	$\bar{s}_L$	$(1-\alpha)\bar{\beta}_L$	$\frac{(1-\alpha)\bar{\beta}_L}{\beta^*}$	g	$\bar{s}_L$	$(1-\alpha)\bar{\beta}_L$	$\frac{(1-\alpha)\bar{\beta}_L}{\beta^*}$	$\bar{s}_L$	$(1-\alpha)\bar{\beta}_L$	$\frac{(1-\alpha)\bar{\beta}_L}{\beta^*}$	
60	30	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
70	40	0%	20%	280%	0%	0%	6%	199%	33%	13%	249%	17%	
<b>80</b>	<b>50</b>	<b>0%</b>	<b>33%</b>	<b>467%</b>	<b>0%</b>	<b>0%</b>	<b>9%</b>	<b>341%</b>	<b>57%</b>	<b>21%</b>	<b>425%</b>	<b>28%</b>	
60	30	1%	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%
70	40	1%	16%	265%	9%	1%	8%	215%	36%	10%	232%	31%	
<b>80</b>	<b>50</b>	<b>1%</b>	<b>27%</b>	<b>448%</b>	<b>15%</b>	<b>1%</b>	<b>12%</b>	<b>369%</b>	<b>62%</b>	<b>16%</b>	<b>398%</b>	<b>53%</b>	
60	30	2%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
70	40	2%	13%	249%	17%	2%	10%	232%	39%	8%	215%	43%	
<b>80</b>	<b>50</b>	<b>2%</b>	<b>21%</b>	<b>425%</b>	<b>28%</b>	<b>2%</b>	<b>16%</b>	<b>398%</b>	<b>66%</b>	<b>12%</b>	<b>369%</b>	<b>74%</b>	
60	30	3%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%
70	40	3%	10%	232%	23%	3%	13%	249%	42%	6%	199%	53%	
<b>80</b>	<b>50</b>	<b>3%</b>	<b>16%</b>	<b>398%</b>	<b>40%</b>	<b>3%</b>	<b>21%</b>	<b>425%</b>	<b>71%</b>	<b>9%</b>	<b>341%</b>	<b>91%</b>	
60	30	4%	0%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%
70	40	4%	8%	215%	29%	4%	16%	265%	44%	4%	183%	61%	
<b>80</b>	<b>50</b>	<b>4%</b>	<b>12%</b>	<b>369%</b>	<b>49%</b>	<b>4%</b>	<b>27%</b>	<b>448%</b>	<b>75%</b>	<b>7%</b>	<b>313%</b>	<b>104%</b>	
60	30	5%	0%	0%	0%	5%	0%	0%	0%	0%	0%	0%	0%
70	40	5%	6%	199%	33%	5%	20%	280%	47%	3%	168%	67%	
<b>80</b>	<b>50</b>	<b>5%</b>	<b>9%</b>	<b>341%</b>	<b>57%</b>	<b>5%</b>	<b>33%</b>	<b>467%</b>	<b>78%</b>	<b>5%</b>	<b>287%</b>	<b>115%</b>	
60	30	10%	0%	0%	0%	10%	0%	0%	0%	0%	0%	0%	0%
70	40	10%	1%	132%	44%	10%	43%	320%	53%	1%	113%	83%	
<b>80</b>	<b>50</b>	<b>10%</b>	<b>2%</b>	<b>222%</b>	<b>74%</b>	<b>10%</b>	<b>67%</b>	<b>465%</b>	<b>77%</b>	<b>1%</b>	<b>190%</b>	<b>139%</b>	

**Table E4: Illustration of the steady-state formula  $\mu(\rho)$  formula**

(proposition 7: dynastic model, equation (E10))

( $b_y^* = \mu^* m^* \beta^*$  computed for fixed  $\beta^* = \alpha/r^* = 600\%$ , i.e. assuming that  $\theta$  and/or  $\sigma$  adjust;  $\mu^*$  unaffected by  $\beta^*$ )

$\alpha$	$r^*$	$\beta^*$	$\mu^* = \bar{\mu} [1 - \frac{(1-\rho)(1-\alpha)\bar{\beta}_L}{\beta^*}]$									
30%	5%	600%	$\rho$ 100%		$\rho$ 80%		$\rho$ 50%		$\rho$ 30%		$\rho$ 0%	
A	H	R	$\mu^* = \mu(\rho)$	$b_y^*$	$\mu^* = \mu(\rho)$	$b_y^*$	$\mu^* = \mu(\rho)$	$b_y^*$	$\mu^* = \mu(\rho)$	$b_y^*$	$\mu^* = \mu(\rho)$	$b_y^*$
D	$I = D-H$	g										
20	30	60	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
60	30	0%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	0%	167%	20%	156%	19%	139%	17%	128%	15%	111%	13%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>200%</b>	<b>20%</b>	<b>177%</b>	<b>18%</b>	<b>143%</b>	<b>14%</b>	<b>121%</b>	<b>12%</b>	<b>86%</b>	<b>9%</b>
60	30	1%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	1%	167%	20%	155%	19%	137%	16%	125%	15%	107%	13%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>200%</b>	<b>20%</b>	<b>175%</b>	<b>18%</b>	<b>138%</b>	<b>14%</b>	<b>114%</b>	<b>11%</b>	<b>77%</b>	<b>8%</b>
60	30	2%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	2%	167%	20%	154%	18%	134%	16%	122%	15%	102%	12%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>200%</b>	<b>20%</b>	<b>173%</b>	<b>17%</b>	<b>134%</b>	<b>13%</b>	<b>107%</b>	<b>11%</b>	<b>67%</b>	<b>7%</b>
60	30	3%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	3%	167%	20%	153%	18%	132%	16%	118%	14%	97%	12%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>200%</b>	<b>20%</b>	<b>172%</b>	<b>17%</b>	<b>129%</b>	<b>13%</b>	<b>101%</b>	<b>10%</b>	<b>58%</b>	<b>6%</b>
60	30	4%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	4%	167%	20%	152%	18%	130%	16%	115%	14%	93%	11%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>200%</b>	<b>20%</b>	<b>170%</b>	<b>17%</b>	<b>125%</b>	<b>13%</b>	<b>95%</b>	<b>10%</b>	<b>51%</b>	<b>5%</b>
60	30	5%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	5%	167%	20%	151%	18%	128%	15%	112%	13%	89%	11%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>200%</b>	<b>20%</b>	<b>169%</b>	<b>17%</b>	<b>122%</b>	<b>12%</b>	<b>91%</b>	<b>9%</b>	<b>44%</b>	<b>4%</b>
60	30	10%	133%	20%	133%	20%	133%	20%	133%	20%	133%	20%
70	40	10%	167%	20%	149%	18%	122%	15%	104%	13%	78%	9%
<b>80</b>	<b>50</b>	<b>10%</b>	<b>200%</b>	<b>20%</b>	<b>169%</b>	<b>17%</b>	<b>123%</b>	<b>12%</b>	<b>92%</b>	<b>9%</b>	<b>45%</b>	<b>5%</b>

**Table E5: Illustration of the  $\lambda$  formula and  $b_y^*=b_y(g,r)$  formula**  
 (propositions 8-9: wealth-in-the-utility-function model, equations (E12)-(E13) and (E17))

A	H		$\rho$	$s_B$	$\rho$	$s_B$	$\rho$	$s_B$	$\rho$	$s_B$
20	30									
R	$1-\alpha$									
60	70%		100%	10%	80%	10%	50%	10%	0%	10%
D	$I = D-H$	$r-g$	$\lambda$	$b_y^*$	$\lambda$	$b_y^*$	$\lambda$	$b_y^*$	$\lambda$	$b_y^*$
60	30	0%	100%	8%	100%	8%	100%	8%	100%	8%
70	40	0%	100%	8%	100%	8%	100%	8%	100%	8%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>100%</b>	<b>8%</b>	<b>100%</b>	<b>8%</b>	<b>100%</b>	<b>8%</b>	<b>100%</b>	<b>8%</b>
60	30	1%	91%	10%	91%	10%	91%	10%	91%	10%
70	40	1%	96%	10%	97%	11%	98%	11%	101%	11%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>102%</b>	<b>11%</b>	<b>103%</b>	<b>11%</b>	<b>105%</b>	<b>12%</b>	<b>111%</b>	<b>12%</b>
60	30	2%	84%	13%	84%	13%	84%	13%	84%	13%
70	40	2%	94%	15%	96%	15%	98%	15%	103%	16%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>106%</b>	<b>17%</b>	<b>109%</b>	<b>17%</b>	<b>114%</b>	<b>18%</b>	<b>125%</b>	<b>20%</b>
60	30	3%	79%	18%	79%	18%	79%	18%	79%	18%
70	40	3%	94%	22%	96%	22%	100%	23%	106%	24%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>114%</b>	<b>26%</b>	<b>118%</b>	<b>27%</b>	<b>126%</b>	<b>29%</b>	<b>143%</b>	<b>33%</b>
60	30	4%	74%	26%	74%	26%	74%	26%	74%	26%
70	40	4%	96%	33%	99%	34%	103%	36%	111%	39%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>126%</b>	<b>44%</b>	<b>131%</b>	<b>46%</b>	<b>142%</b>	<b>49%</b>	<b>166%</b>	<b>58%</b>
60	30	5%	71%	41%	71%	41%	71%	41%	71%	41%
70	40	5%	100%	57%	103%	58%	108%	61%	118%	67%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>142%</b>	<b>81%</b>	<b>149%</b>	<b>85%</b>	<b>163%</b>	<b>92%</b>	<b>194%</b>	<b>110%</b>

**Table E6: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**  
 (propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )  
 (open economy,  $r=5\%$ ,  $\theta=2\%$ ,  $\sigma=5$ ,  $s_B=10\%$ )

A	H	$\theta$	$\sigma$	$\bar{r}$	$r$											
20	30	2%	5	8%	5%											
R	$\alpha$	$1-\alpha$	$\rho$	$s_B$												
60	30%	70%	100%	10%												
D	$I = D-H$	$g$	$r$	$r-g$	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta_p^*$	$\beta_K^*=\alpha/r$	$\mu^*$	$\beta^*$	$\hat{b}_y^*$
60	30	0%	5%	5%	10%	71%	41%	1%	17%	356%	993%	1349%	600%	120%	981%	29%
70	40	0%	5%	5%	10%	100%	57%	1%	18%	561%	1390%	1951%	600%	145%	1164%	34%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>5%</b>	<b>5%</b>	<b>10%</b>	<b>142%</b>	<b>81%</b>	<b>1%</b>	<b>19%</b>	<b>857%</b>	<b>1977%</b>	<b>2834%</b>	<b>600%</b>	<b>171%</b>	<b>1339%</b>	<b>38%</b>
60	30	1%	5%	4%	10%	74%	26%	1%	5%	226%	557%	782%	600%	132%	717%	24%
70	40	1%	5%	4%	10%	96%	33%	1%	4%	336%	720%	1056%	600%	159%	860%	27%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>10%</b>	<b>126%</b>	<b>44%</b>	<b>1%</b>	<b>3%</b>	<b>489%</b>	<b>941%</b>	<b>1430%</b>	<b>600%</b>	<b>184%</b>	<b>1011%</b>	<b>31%</b>
60	30	2%	5%	3%	10%	79%	18%	1%	-11%	108%	341%	449%	600%	160%	486%	19%
70	40	2%	5%	3%	10%	94%	22%	1%	-15%	143%	409%	553%	600%	195%	566%	22%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>3%</b>	<b>10%</b>	<b>114%</b>	<b>26%</b>	<b>1%</b>	<b>-19%</b>	<b>194%</b>	<b>494%</b>	<b>689%</b>	<b>600%</b>	<b>227%</b>	<b>659%</b>	<b>25%</b>
60	30	3%	5%	2%	10%	84%	13%	1%	-32%	-1%	222%	221%	600%	238%	272%	16%
70	40	3%	5%	2%	10%	94%	15%	1%	-41%	-30%	248%	219%	600%	336%	270%	18%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>5%</b>	<b>2%</b>	<b>10%</b>	<b>106%</b>	<b>17%</b>	<b>1%</b>	<b>-49%</b>	<b>-60%</b>	<b>280%</b>	<b>220%</b>	<b>600%</b>	<b>452%</b>	<b>271%</b>	<b>20%</b>
60	30	4%	5%	1%	10%	91%	10%	1%	-58%	-106%	150%	44%	600%	903%	61%	14%
70	40	4%	5%	1%	10%	96%	11%	1%	-75%	-194%	159%	-36%	600%	-1470%	-52%	15%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>5%</b>	<b>1%</b>	<b>10%</b>	<b>102%</b>	<b>11%</b>	<b>1%</b>	<b>-92%</b>	<b>-297%</b>	<b>168%</b>	<b>-130%</b>	<b>600%</b>	<b>-514%</b>	<b>-204%</b>	<b>17%</b>
60	30	5%	5%	0%	10%	100%	8%	1%	-91%	-212%	106%	-106%	600%	-294%	-164%	12%
70	40	5%	5%	0%	10%	100%	8%	1%	-123%	-361%	106%	-255%	600%	-153%	-445%	14%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>5%</b>	<b>0%</b>	<b>10%</b>	<b>100%</b>	<b>8%</b>	<b>1%</b>	<b>-156%</b>	<b>-539%</b>	<b>106%</b>	<b>-433%</b>	<b>600%</b>	<b>-108%</b>	<b>-894%</b>	<b>16%</b>

**Table E7: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**  
 (propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )  
 (open economy,  $r=5\%$ ,  $s_B=10\%$ ,  $\theta$  and  $\sigma$  adjust so that  $g_c=g$ )

A	H	$\bar{r}$	r													
20	30	8%	5%													
R	$\alpha$	1- $\alpha$	$\rho$	$s_B$												
60	30%	70%	100%	10%												
D	I = D-H	g	r	r-g	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta_p^*$	$\beta_K^*=a/r$	$\mu^*$	$\beta^*$	$\hat{b}_y^*$
60	30	0%	5%	5%	10%	71%	41%	0%	10%	307%	962%	1269%	600%	128%	951%	30%
70	40	0%	5%	5%	10%	100%	57%	0%	10%	486%	1347%	1833%	600%	155%	1134%	35%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>5%</b>	<b>5%</b>	<b>10%</b>	<b>142%</b>	<b>81%</b>	<b>0%</b>	<b>10%</b>	<b>751%</b>	<b>1915%</b>	<b>2666%</b>	<b>600%</b>	<b>182%</b>	<b>1311%</b>	<b>40%</b>
60	30	1%	5%	4%	10%	74%	26%	1%	10%	257%	568%	826%	600%	125%	742%	23%
70	40	1%	5%	4%	10%	96%	33%	1%	10%	384%	735%	1119%	600%	150%	888%	27%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>10%</b>	<b>126%</b>	<b>44%</b>	<b>1%</b>	<b>10%</b>	<b>556%</b>	<b>961%</b>	<b>1516%</b>	<b>600%</b>	<b>173%</b>	<b>1040%</b>	<b>30%</b>
60	30	2%	5%	3%	10%	79%	18%	2%	10%	218%	365%	583%	600%	123%	588%	18%
70	40	2%	5%	3%	10%	94%	22%	2%	10%	308%	439%	747%	600%	144%	696%	20%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>3%</b>	<b>10%</b>	<b>114%</b>	<b>26%</b>	<b>2%</b>	<b>10%</b>	<b>421%</b>	<b>530%</b>	<b>951%</b>	<b>600%</b>	<b>164%</b>	<b>809%</b>	<b>22%</b>
60	30	3%	5%	2%	10%	84%	13%	3%	10%	186%	249%	435%	600%	121%	474%	14%
70	40	3%	5%	2%	10%	94%	15%	3%	10%	251%	279%	530%	600%	139%	549%	15%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>5%</b>	<b>2%</b>	<b>10%</b>	<b>106%</b>	<b>17%</b>	<b>3%</b>	<b>10%</b>	<b>327%</b>	<b>314%</b>	<b>640%</b>	<b>600%</b>	<b>155%</b>	<b>628%</b>	<b>16%</b>
60	30	4%	5%	1%	10%	91%	10%	4%	10%	161%	176%	337%	600%	118%	388%	11%
70	40	4%	5%	1%	10%	96%	11%	4%	10%	208%	186%	394%	600%	133%	439%	12%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>5%</b>	<b>1%</b>	<b>10%</b>	<b>102%</b>	<b>11%</b>	<b>4%</b>	<b>10%</b>	<b>259%</b>	<b>196%</b>	<b>455%</b>	<b>600%</b>	<b>146%</b>	<b>491%</b>	<b>12%</b>
60	30	5%	5%	0%	10%	100%	8%	5%	10%	140%	128%	268%	600%	116%	322%	9%
70	40	5%	5%	0%	10%	100%	8%	5%	10%	175%	128%	303%	600%	128%	356%	9%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>5%</b>	<b>0%</b>	<b>10%</b>	<b>100%</b>	<b>8%</b>	<b>5%</b>	<b>10%</b>	<b>210%</b>	<b>128%</b>	<b>338%</b>	<b>600%</b>	<b>138%</b>	<b>389%</b>	<b>9%</b>

**Table E8: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**

(propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )  
 (closed economy,  $r=5\%$ ,  $\theta=0\%$ ,  $\sigma=\infty$ ,  $s_B$  adjusts so that  $\beta^*=(1-\alpha)\beta_L+\beta_B=\alpha/r^*$  is fixed to 600%)

A	H	$\theta$	$\sigma$	$r$										
20	30	0%	10000	5%										
R	$\alpha$	$1-\alpha$	$\rho$											
60	30%	70%	100%											
D	$I = D-H$	$g$	$r^*$	$r-g$	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta^*$	$\beta_K^*=\alpha/r$	$\mu^*$
60	30	0%	5%	5%	6%	71%	19%	0%	6%	189%	411%	600%	600%	126%
70	40	0%	5%	5%	5%	100%	18%	0%	5%	223%	378%	600%	600%	150%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>5%</b>	<b>5%</b>	<b>3%</b>	<b>142%</b>	<b>17%</b>	<b>0%</b>	<b>3%</b>	<b>249%</b>	<b>351%</b>	<b>600%</b>	<b>600%</b>	<b>173%</b>
60	30	1%	5%	4%	9%	74%	22%	0%	-5%	152%	448%	600%	600%	146%
70	40	1%	5%	4%	7%	96%	22%	0%	-9%	166%	434%	600%	600%	183%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>6%</b>	<b>126%</b>	<b>22%</b>	<b>0%</b>	<b>-12%</b>	<b>173%</b>	<b>427%</b>	<b>600%</b>	<b>600%</b>	<b>222%</b>
60	30	2%	5%	3%	13%	79%	25%	0%	-18%	125%	475%	600%	600%	164%
70	40	2%	5%	3%	11%	94%	25%	0%	-25%	123%	477%	600%	600%	211%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>3%</b>	<b>10%</b>	<b>114%</b>	<b>26%</b>	<b>0%</b>	<b>-32%</b>	<b>115%</b>	<b>485%</b>	<b>600%</b>	<b>600%</b>	<b>263%</b>
60	30	3%	5%	2%	17%	84%	27%	0%	-32%	108%	492%	600%	600%	178%
70	40	3%	5%	2%	16%	94%	28%	0%	-44%	93%	507%	600%	600%	233%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>5%</b>	<b>2%</b>	<b>16%</b>	<b>106%</b>	<b>29%</b>	<b>0%</b>	<b>-55%</b>	<b>73%</b>	<b>527%</b>	<b>600%</b>	<b>600%</b>	<b>294%</b>
60	30	4%	5%	1%	23%	91%	28%	0%	-47%	101%	498%	600%	600%	189%
70	40	4%	5%	1%	23%	96%	30%	0%	-66%	76%	523%	600%	600%	248%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>5%</b>	<b>1%</b>	<b>23%</b>	<b>102%</b>	<b>32%</b>	<b>0%</b>	<b>-83%</b>	<b>46%</b>	<b>554%</b>	<b>600%</b>	<b>600%</b>	<b>315%</b>
60	30	5%	5%	0%	30%	100%	29%	0%	-63%	104%	496%	600%	600%	196%
70	40	5%	5%	0%	31%	100%	31%	0%	-89%	74%	527%	600%	600%	257%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>5%</b>	<b>0%</b>	<b>32%</b>	<b>100%</b>	<b>32%</b>	<b>0%</b>	<b>-116%</b>	<b>38%</b>	<b>562%</b>	<b>600%</b>	<b>600%</b>	<b>325%</b>

**Table E9: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**

(propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )  
(closed economy,  $r^*=5\%$ ,  $\theta=2\%$ ,  $\sigma=5$ ,  $s_B$  adjusts so that  $\beta^*=(1-\alpha)\beta_L+\beta_B=\alpha/r^*$  is fixed to 600%)

A	H	$\theta$	$\sigma$	$r$										
20	30	2%	5	5%										
R	$\alpha$	$1-\alpha$	$\rho$											
60	30%	70%	100%											
D	$I = D-H$	$g$	$r^*$	$r-g$	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta^*$	$\beta_K^*=\alpha/r$	$\mu^*$
60	30	0%	5%	5%	6%	71%	17%	1%	13%	224%	376%	600%	600%	112%
70	40	0%	5%	5%	4%	100%	15%	1%	13%	274%	327%	600%	600%	127%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>5%</b>	<b>5%</b>	<b>3%</b>	<b>142%</b>	<b>14%</b>	<b>1%</b>	<b>12%</b>	<b>316%</b>	<b>284%</b>	<b>600%</b>	<b>600%</b>	<b>136%</b>
60	30	1%	5%	4%	8%	74%	20%	1%	3%	183%	417%	600%	600%	134%
70	40	1%	5%	4%	7%	96%	19%	1%	0%	209%	391%	600%	600%	162%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>5%</b>	<b>4%</b>	<b>5%</b>	<b>126%</b>	<b>19%</b>	<b>1%</b>	<b>-2%</b>	<b>227%</b>	<b>373%</b>	<b>600%</b>	<b>600%</b>	<b>190%</b>
60	30	2%	5%	3%	12%	79%	23%	1%	-9%	152%	448%	600%	600%	152%
70	40	2%	5%	3%	11%	94%	23%	1%	-15%	160%	440%	600%	600%	192%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>3%</b>	<b>9%</b>	<b>114%</b>	<b>23%</b>	<b>1%</b>	<b>-20%</b>	<b>160%</b>	<b>440%</b>	<b>600%</b>	<b>600%</b>	<b>235%</b>
60	30	3%	5%	2%	16%	84%	25%	1%	-22%	132%	468%	600%	600%	168%
70	40	3%	5%	2%	15%	94%	26%	1%	-32%	125%	475%	600%	600%	216%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>5%</b>	<b>2%</b>	<b>15%</b>	<b>106%</b>	<b>27%</b>	<b>1%</b>	<b>-41%</b>	<b>111%</b>	<b>489%</b>	<b>600%</b>	<b>600%</b>	<b>270%</b>
60	30	4%	5%	1%	22%	91%	27%	1%	-37%	122%	478%	600%	600%	179%
70	40	4%	5%	1%	22%	96%	28%	1%	-52%	104%	497%	600%	600%	233%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>5%</b>	<b>1%</b>	<b>22%</b>	<b>102%</b>	<b>29%</b>	<b>1%</b>	<b>-67%</b>	<b>79%</b>	<b>521%</b>	<b>600%</b>	<b>600%</b>	<b>295%</b>
60	30	5%	5%	0%	29%	100%	28%	1%	-52%	121%	479%	600%	600%	188%
70	40	5%	5%	0%	30%	100%	29%	1%	-74%	96%	504%	600%	600%	245%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>5%</b>	<b>0%</b>	<b>31%</b>	<b>100%</b>	<b>31%</b>	<b>1%</b>	<b>-97%</b>	<b>65%</b>	<b>535%</b>	<b>600%</b>	<b>600%</b>	<b>308%</b>

**Table E10: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**  
 (propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )  
 (closed economy,  $\theta=2\%$ ,  $\sigma=5$ ,  $s_B=10\%$ ,  $r^*$  adjusts so that  $\beta^*=(1-\alpha)\beta_L+\beta_B=\alpha/r^*$ )

A	H	$\theta$	$\sigma$															
20	30	2%	5	D	$I = D-H$	$g$	$r^*$	$r^*-g$	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta^*$	$\beta_K^*=\alpha/r$	$\mu^*$
R	$\alpha$	$1-\alpha$	$\rho$															
60	30%	70%	100%															
60	30	0%	4%	60	30	0%	4%	4%	10%	75%	24%	0%	15%	277%	519%	796%	796%	119%
70	40	0%	3%	70	40	0%	3%	3%	10%	95%	25%	0%	14%	367%	529%	895%	895%	139%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>3%</b>	<b>80</b>	<b>50</b>	<b>0%</b>	<b>3%</b>	<b>3%</b>	<b>10%</b>	<b>114%</b>	<b>26%</b>	<b>0%</b>	<b>14%</b>	<b>459%</b>	<b>538%</b>	<b>997%</b>	<b>997%</b>	<b>157%</b>
60	30	1%	5%	60	30	1%	5%	4%	10%	76%	22%	1%	3%	201%	456%	656%	656%	134%
70	40	1%	4%	70	40	1%	4%	3%	10%	95%	23%	0%	0%	251%	466%	717%	717%	162%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>4%</b>	<b>80</b>	<b>50</b>	<b>1%</b>	<b>4%</b>	<b>3%</b>	<b>10%</b>	<b>113%</b>	<b>24%</b>	<b>0%</b>	<b>-3%</b>	<b>298%</b>	<b>478%</b>	<b>776%</b>	<b>776%</b>	<b>189%</b>
60	30	2%	5%	60	30	2%	5%	3%	10%	77%	21%	1%	-9%	133%	415%	549%	549%	154%
70	40	2%	5%	70	40	2%	5%	3%	10%	94%	23%	1%	-15%	154%	433%	587%	587%	192%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>80</b>	<b>50</b>	<b>2%</b>	<b>5%</b>	<b>3%</b>	<b>10%</b>	<b>112%</b>	<b>24%</b>	<b>1%</b>	<b>-20%</b>	<b>169%</b>	<b>451%</b>	<b>620%</b>	<b>620%</b>	<b>233%</b>
60	30	3%	6%	60	30	3%	6%	3%	10%	77%	21%	1%	-22%	75%	392%	467%	467%	178%
70	40	3%	6%	70	40	3%	6%	3%	10%	94%	23%	1%	-30%	73%	417%	490%	490%	231%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>6%</b>	<b>80</b>	<b>50</b>	<b>3%</b>	<b>6%</b>	<b>3%</b>	<b>10%</b>	<b>113%</b>	<b>25%</b>	<b>1%</b>	<b>-38%</b>	<b>67%</b>	<b>444%</b>	<b>510%</b>	<b>510%</b>	<b>289%</b>
60	30	4%	7%	60	30	4%	7%	3%	10%	77%	21%	1%	-35%	23%	380%	403%	403%	208%
70	40	4%	7%	70	40	4%	7%	3%	10%	95%	23%	1%	-45%	5%	413%	418%	418%	278%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>7%</b>	<b>80</b>	<b>50</b>	<b>4%</b>	<b>7%</b>	<b>3%</b>	<b>10%</b>	<b>114%</b>	<b>26%</b>	<b>1%</b>	<b>-55%</b>	<b>-14%</b>	<b>446%</b>	<b>431%</b>	<b>431%</b>	<b>355%</b>
60	30	5%	8%	60	30	5%	8%	3%	10%	76%	21%	1%	-48%	-21%	374%	353%	353%	242%
70	40	5%	8%	70	40	5%	8%	3%	10%	95%	24%	1%	-60%	-50%	414%	363%	363%	331%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>8%</b>	<b>80</b>	<b>50</b>	<b>5%</b>	<b>8%</b>	<b>3%</b>	<b>10%</b>	<b>115%</b>	<b>27%</b>	<b>1%</b>	<b>-72%</b>	<b>-78%</b>	<b>452%</b>	<b>373%</b>	<b>373%</b>	<b>429%</b>



**Table E11: Illustration of the  $b_y^*$ ,  $\beta^*$  and  $\mu^*$  formulas**

(propositions 8-9, wealth-in-the-utility-function model, equations (E11)-(E15)) ( $\rho=1$ )

(closed economy,  $\theta$  and  $\sigma$  adjust so that  $g_c=g$ ,  $s_B=10\%$ ,  $r^*$  adjusts so that  $\beta^*=(1-\alpha)\beta_L+\beta_B=\alpha/r^*$ )

A	H													
20	30													
R	$\alpha$	$1-\alpha$	$\rho$											
60	30%	70%	100%											
D	$I = D-H$	$g$	$r^*$	$r^*-g$	$s_B$	$\lambda$	$b_y^*$	$g_c$	$s_L$	$(1-\alpha)\beta_L^*$	$\beta_B^*$	$\beta^*$	$\beta_K^*=\alpha/r$	$\mu^*$
60	30	0%	4%	4%	10%	75%	24%	0%	10%	251%	529%	780%	780%	125%
70	40	0%	3%	3%	10%	95%	26%	0%	10%	337%	540%	877%	877%	147%
<b>80</b>	<b>50</b>	<b>0%</b>	<b>3%</b>	<b>3%</b>	<b>10%</b>	<b>115%</b>	<b>27%</b>	<b>0%</b>	<b>10%</b>	<b>428%</b>	<b>550%</b>	<b>979%</b>	<b>979%</b>	<b>165%</b>
60	30	1%	4%	3%	10%	77%	21%	1%	10%	234%	441%	675%	675%	124%
70	40	1%	4%	3%	10%	94%	22%	1%	10%	309%	440%	749%	749%	144%
<b>80</b>	<b>50</b>	<b>1%</b>	<b>4%</b>	<b>3%</b>	<b>10%</b>	<b>111%</b>	<b>22%</b>	<b>1%</b>	<b>10%</b>	<b>384%</b>	<b>438%</b>	<b>822%</b>	<b>822%</b>	<b>161%</b>
60	30	2%	5%	3%	10%	78%	18%	2%	10%	220%	374%	593%	593%	123%
70	40	2%	5%	3%	10%	94%	18%	2%	10%	284%	366%	650%	650%	142%
<b>80</b>	<b>50</b>	<b>2%</b>	<b>4%</b>	<b>2%</b>	<b>10%</b>	<b>108%</b>	<b>18%</b>	<b>2%</b>	<b>10%</b>	<b>348%</b>	<b>357%</b>	<b>705%</b>	<b>705%</b>	<b>157%</b>
60	30	3%	6%	3%	10%	80%	16%	3%	10%	207%	321%	528%	528%	122%
70	40	3%	5%	2%	10%	94%	16%	3%	10%	263%	309%	573%	573%	140%
<b>80</b>	<b>50</b>	<b>3%</b>	<b>5%</b>	<b>2%</b>	<b>10%</b>	<b>105%</b>	<b>16%</b>	<b>3%</b>	<b>10%</b>	<b>318%</b>	<b>296%</b>	<b>614%</b>	<b>614%</b>	<b>154%</b>
60	30	4%	6%	2%	10%	82%	14%	4%	10%	195%	280%	475%	475%	121%
70	40	4%	6%	2%	10%	94%	14%	4%	10%	245%	265%	510%	510%	138%
<b>80</b>	<b>50</b>	<b>4%</b>	<b>6%</b>	<b>2%</b>	<b>10%</b>	<b>104%</b>	<b>14%</b>	<b>4%</b>	<b>10%</b>	<b>292%</b>	<b>250%</b>	<b>542%</b>	<b>542%</b>	<b>151%</b>
60	30	5%	7%	2%	10%	84%	13%	5%	10%	185%	246%	431%	431%	121%
70	40	5%	7%	2%	10%	95%	12%	5%	10%	230%	229%	459%	459%	136%
<b>80</b>	<b>50</b>	<b>5%</b>	<b>6%</b>	<b>1%</b>	<b>10%</b>	<b>102%</b>	<b>12%</b>	<b>5%</b>	<b>10%</b>	<b>270%</b>	<b>214%</b>	<b>484%</b>	<b>484%</b>	<b>148%</b>

**Table E12: Illustration of the  $\varphi^M$  and  $\varphi^{KS}$  steady-state formulas**  
 (uncapitalized and capitalized inheritance shares in aggregate wealth)  
 (working paper, section 7.3, equations (7.6)-(7.7), case  $b_y = \beta/H$ )

H				
30	$\varphi^M$	r-g	$\varphi^{KS}$	$\varphi^{KS}/\varphi^M$
g	$\varphi^M$	r-g	$\varphi^{KS}$	$\varphi^{KS}/\varphi^M$
0%	100%	0%	100%	100%
1%	86%	1%	117%	135%
2%	75%	2%	137%	182%
3%	66%	3%	162%	246%
4%	58%	4%	193%	332%
5%	52%	5%	232%	448%
10%	32%	10%	636%	2009%
1.7%	78%	3.0%	162%	207%
1.0%	86%	5.0%	232%	269%