

Historic Modelling

Ariel Sosnovsky

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Table # 4a				
Gompez Regression: Historical Coefficients				
	Dispersion Coefficient m		Modal Value b	
Year	MALE	FEMALE	MALE	FEMALE
1945	76.60 ± 1.98	79.89 ± 1.08	10.45 ± 1.05	9.77 ± 0.87
1948	76.97 ± 2.04	80.76 ± 0.86	10.95 ± 0.78	9.78 ± 0.57
1951	76.58 ± 2.17	80.38 ± 0.90	10.54 ± 0.83	9.44 ± 0.53
1954	77.33 ± 1.67	81.18 ± 0.73	10.49 ± 0.64	9.47 ± 0.51
1957	77.03 ± 1.69	81.29 ± 0.76	10.48 ± 0.60	9.33 ± 0.49
1960	77.38 ± 1.54	81.74 ± 0.73	10.37 ± 0.67	9.18 ± 0.49
1963	77.08 ± 1.48	81.76 ± 0.75	10.37 ± 0.62	9.19 ± 0.47
1966	77.30 ± 1.53	82.26 ± 0.87	10.53 ± 0.59	9.24 ± 0.48
1969	77.20 ± 1.55	82.34 ± 0.94	10.60 ± 0.57	9.41 ± 0.50
1972	77.71 ± 1.32	83.03 ± 0.80	10.61 ± 0.54	9.34 ± 0.54
1975	77.93 ± 1.23	83.51 ± 0.86	10.55 ± 0.55	9.39 ± 0.58
1978	78.43 ± 1.06	84.18 ± 0.87	10.55 ± 0.51	9.31 ± 0.66
1981	78.92 ± 0.97	84.60 ± 0.87	10.42 ± 0.49	9.32 ± 0.62
1984	79.50 ± 0.96	85.16 ± 0.88	10.35 ± 0.47	9.34 ± 0.56
1987	80.03 ± 0.86	85.55 ± 0.88	10.27 ± 0.41	9.30 ± 0.56
1990	80.57 ± 0.92	85.85 ± 0.99	9.99 ± 0.39	9.15 ± 0.60
1993	81.08 ± 1.06	86.13 ± 1.17	9.76 ± 0.35	9.06 ± 0.51
1996	81.70 ± 1.05	86.65 ± 1.10	9.67 ± 0.46	9.08 ± 0.52
1999	82.12 ± 0.99	86.92 ± 1.12	9.56 ± 0.50	9.06 ± 0.42
2002	82.77 ± 0.99	87.32 ± 1.17	9.54 ± 0.52	9.06 ± 0.40
2005	83.47 ± 1.02	88.04 ± 1.10	9.55 ± 0.59	9.11 ± 0.40
2008	84.08 ± 0.99	88.49 ± 1.07	9.59 ± 0.64	9.13 ± 0.40
2011	84.83 ± 0.94	89.11 ± 1.06	9.59 ± 0.63	9.18 ± 0.38
<i>Source: Human Mortality Database, Period 1945-2011, 15 Countries</i>				

Table # 4b						
CLaM Regression: Historical Coefficients						
	Slope: (x^*)		Intercept (L)		Mortality Rate (G)	
Year	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
1945	75.19 ± 5.63	66.67 ± 3.55	-2.49 ± 0.55	-3.64 ± 0.37	0.0966	0.1031
1948	89.02 ± 5.31	72.01 ± 4.24	-1.29 ± 0.49	-3.18 ± 0.44	0.0917	0.1026
1951	87.20 ± 5.33	71.01 ± 4.78	-1.35 ± 0.51	-3.24 ± 0.51	0.0954	0.1062
1954	85.42 ± 5.96	69.30 ± 4.00	-1.58 ± 0.57	-3.50 ± 0.42	0.0957	0.1059
1957	88.95 ± 5.82	73.18 ± 4.38	-1.21 ± 0.56	-3.10 ± 0.47	0.0957	0.1075
1960	85.37 ± 4.45	71.66 ± 4.12	-1.57 ± 0.43	-3.32 ± 0.45	0.0968	0.1093
1963	83.29 ± 5.21	73.13 ± 4.22	-1.74 ± 0.51	-3.16 ± 0.46	0.0968	0.1090
1966	85.96 ± 5.59	71.08 ± 4.93	-1.53 ± 0.53	-3.43 ± 0.54	0.0953	0.1085
1969	84.66 ± 6.49	67.84 ± 4.95	-1.66 ± 0.61	-3.78 ± 0.53	0.0946	0.1066
1972	84.28 ± 5.60	73.47 ± 4.06	-1.74 ± 0.53	-3.26 ± 0.44	0.0945	0.1074
1975	78.75 ± 5.88	71.62 ± 4.05	-2.28 ± 0.56	-3.51 ± 0.43	0.0950	0.1069
1978	78.13 ± 5.46	73.55 ± 3.54	-2.39 ± 0.52	-3.38 ± 0.38	0.0950	0.1079
1981	78.20 ± 5.15	76.01 ± 3.76	-2.41 ± 0.50	-3.16 ± 0.41	0.0961	0.1077
1984	80.90 ± 5.04	79.22 ± 4.12	-2.20 ± 0.49	-2.87 ± 0.44	0.0968	0.1074
1987	81.92 ± 4.98	82.69 ± 3.77	-2.15 ± 0.49	-2.54 ± 0.41	0.0975	0.1079
1990	80.74 ± 5.98	82.61 ± 3.95	-2.29 ± 0.60	-2.57 ± 0.43	0.1002	0.1097
1993	82.37 ± 7.55	85.30 ± 5.42	-2.15 ± 0.78	-2.30 ± 0.60	0.1026	0.1107
1996	87.40 ± 4.58	88.55 ± 4.29	-1.68 ± 0.47	-2.00 ± 0.47	0.1036	0.1105
1999	85.57 ± 4.01	92.35 ± 5.32	-1.90 ± 0.42	-1.61 ± 0.59	0.1049	0.1106
2002	84.40 ± 4.22	91.19 ± 6.44	-2.09 ± 0.44	-1.78 ± 0.71	0.1051	0.1105
2005	84.89 ± 3.62	92.58 ± 5.73	-2.11 ± 0.38	-1.71 ± 0.63	0.1051	0.1100
2008	85.07 ± 3.03	90.51 ± 5.97	-2.16 ± 0.32	-1.99 ± 0.66	0.1047	0.1097
2011	84.95 ± 3.00	86.38 ± 6.90	-2.25 ± 0.31	-2.51 ± 0.75	0.1047	0.1092
<i>Source: Human Mortality Database, Period 1945-2011, 15 Countries</i>						