

					AGE x				AGE x			
					l_x	q_x	e_x	l_x	q_x	e_x	l_x	q_x
Male life table England and Wales (1990-92)	0	100000	0.0082	73.4	35	97168	0.0012	40.1	69	70605	0.0364	11.8
	1	99180	0.0006	73.0	36	97053	0.0013	39.1	70	68037	0.0389	11.2
	2	99119	0.0004	72.1	37	96930	0.0014	38.2	71	65391	0.0432	10.6
	3	99081	0.0003	71.1	38	96796	0.0015	37.2	72	62567	0.0473	10.1
	4	99052	0.0002	70.1	39	96648	0.0016	36.3	73	59610	0.0525	9.6
	5	99028	0.0002	69.1	40	96489	0.0016	35.4	74	56481	0.0573	9.1
	6	99006	0.0002	68.2	41	96332	0.0019	34.4	75	53246	0.0613	8.6
	7	98986	0.0002	67.2	42	96151	0.0021	33.5	76	49982	0.0679	8.1
	8	98967	0.0002	66.2	43	95954	0.0022	32.5	77	46590	0.0744	7.7
	9	98950	0.0002	65.2	44	95745	0.0023	31.6	78	43125	0.0807	7.2
	10	98932	0.0002	64.2	45	95521	0.0027	30.7	79	39643	0.0882	6.8
	11	98914	0.0002	63.2	46	95269	0.0030	29.8	80	36145	0.0967	6.5
	12	98896	0.0002	62.2	47	94982	0.0034	28.9	81	32651	0.1036	6.1
	13	98877	0.0002	61.2	48	94660	0.0037	28.0	82	29270	0.1127	5.7
	14	98855	0.0003	60.2	49	94313	0.0041	27.1	83	25971	0.1221	5.4
	15	98826	0.0004	59.3	50	93926	0.0047	26.2	84	22800	0.1332	5.1
	16	98786	0.0005	58.3	51	93486	0.0052	25.3	85	19763	0.1425	4.8
	17	98735	0.0008	57.3	52	92997	0.0058	24.4	86	16946	0.1555	4.5
	18	98660	0.0009	56.4	53	92461	0.0065	23.6	87	14310	0.1698	4.2
	19	98574	0.0008	55.4	54	91865	0.0070	22.7	88	11881	0.1799	4.0
	20	98492	0.0008	54.5	55	91219	0.0080	21.9	89	9744	0.1946	3.8
	21	98410	0.0009	53.5	56	90486	0.0089	21.0	90	7848	0.2016	3.6
	22	98325	0.0009	52.5	57	89682	0.0099	20.2	91	6266	0.2153	3.3
	23	98238	0.0009	51.6	58	88791	0.0112	19.4	92	4917	0.2355	3.1
	24	98150	0.0009	50.6	59	87800	0.0124	18.6	93	3759	0.2611	2.9
	25	98066	0.0008	49.7	60	86714	0.0139	17.9	94	2777	0.2787	2.7
	26	97986	0.0009	48.7	61	85505	0.0156	17.1	95	2003	0.2912	2.6
	27	97900	0.0008	47.8	62	84168	0.0173	16.4	96	1420	0.3023	2.5
	28	97819	0.0009	46.8	63	82710	0.0197	15.6	97	991	0.3232	2.3
	29	97735	0.0009	45.8	64	81078	0.0221	14.9	98	670	0.3284	2.2
	30	97647	0.0009	44.9	65	79290	0.0245	14.3	99	450	0.3698	2.1
	31	97559	0.0010	43.9	66	77347	0.0269	13.6	100	284	0.3737	2.0
	32	97465	0.0010	43.0	67	75267	0.0302	13.0	101	178	0.3909	1.9
	33	97368	0.0010	42.0	68	72992	0.0327	12.4	102	108	0.4209	1.8
	34	97272	0.0011	41.0					103	63	0.4450	1.7

**Period life table for men in
England and Wales 1890--9**

x	μ_x	l_x	d_x	e_x
0	0.187	100000	17022	44.2
1	0.025	82978	7923	51.7
5	0.004	75055	1655	52.8
10	0.002	73400	908	48.9
15	0.004	72492	1379	44.5
20	0.005	71113	1766	40.3
25	0.006	69347	2087	36.2
30	0.008	67260	2550	32.2
35	0.010	64710	3229	28.4
40	0.013	61481	3970	24.7
45	0.017	57511	4703	21.2
50	0.022	52808	5515	17.8
55	0.030	47293	6508	14.6
60	0.042	40785	7710	11.6
65	0.061	33075	8636	8.9
70	0.086	24439	8511	6.5
75	0.122	15928	7281	4.5
80	0.193	8647	5346	2.7
85	0.262	3301	2410	1.7
90	0.358	891	742	0.9
95	0.477	149	135	0.5
100	0.590	14	13	0.3
105	0.695	1	1	0.2
110	0.772	0	0	0.0

**Cohort life table for the 1890 cohort
of men in England and Wales**

x	μ_x	l_x	d_x	e_x
0	0.187	100000	17022	44.7
1	0.025	82978	7923	52.3
5	0.004	75055	1655	53.5
10	0.002	73400	774	49.6
15	0.003	72626	1167	45.1
20	0.020	71459	6749	40.8
25	0.017	64710	5219	39.7
30	0.004	59491	1257	37.9
35	0.006	58234	1608	33.6
40	0.006	56626	1671	29.5
45	0.009	54955	2384	25.3
50	0.012	52571	3027	21.3
55	0.019	49544	4388	17.5
60	0.028	45156	5956	14.0
65	0.044	39200	7760	10.8
70	0.067	31440	8985	8.0
75	0.102	22455	8940	5.7
80	0.146	13515	6997	3.8
85	0.215	6518	4294	2.3
90	0.288	2224	1697	1.4
95	0.395	527	454	0.8
100	0.516	73	67	0.4
105	0.645	6	6	0.2
110	0.733	0	0	0.0

A simple example

Year 1: 300 born, 100 die.

Year 2: 350 born, 150 die. 20 1-year-olds die.

Year 3: 400 born, 100 die. 40 1-year-olds die. 90 2-year-olds die.

Year 4: 300 born, 50 die. 75 1-year-olds die. 100 2-year-olds die. 90 3-year-olds die.

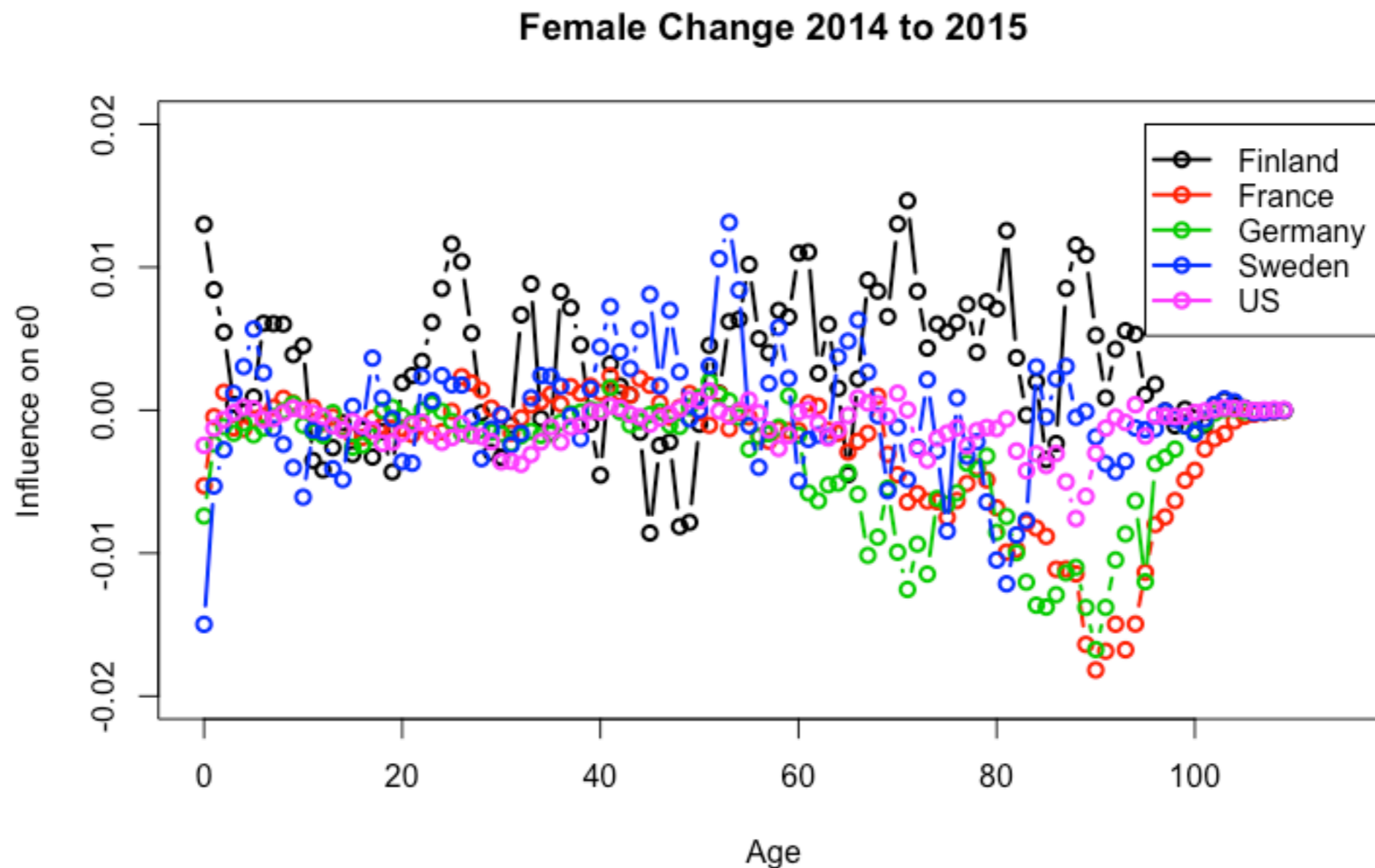
Cohort 1 life table

Cohort 2 life table

Period life table yr 4

x	d_x	l_x	q_x	e_x	x	d_x	l_x	q_x	e_x	x	q_x	l_x	d_x	e_x
0	100	300	0.333	1.57	0	150	350	0.43	1.2	0	0.167	1000	167	1.69
1	20	200	0.10	1.35	1	40	200	0.20	1.1	1	0.25	833	208	1.03
2	90	180	0.50	0.50	2	100	160	0.625	0.375	2	0.625	625	391	0.375
3	90	90	1.0	0	3	60	60	1.0	0	3	1.0	235	1.0	0

Changes in Life Expectancy contributions by age



Testing

age	l_x	d_x	E_x^c	$\mu_{x+\frac{1}{2}}$	μ^s_x	z_x
90	40	10	35	0.29	0.202	1.1
91	35	8	31	0.258	0.215	0.52
92	22	4	18	0.20	0.236	-0.33
93	14	6	11	0.545	0.261	1.85
94	11	4	9	0.444	0.279	0.94
95	7	3	5.5	0.545	0.291	1.11