Constructing life tables

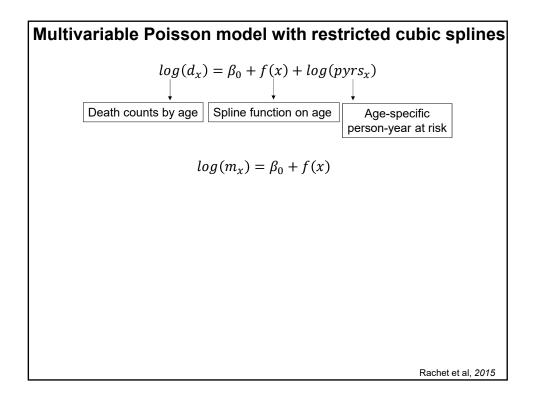
The experience of the CONCORD programme

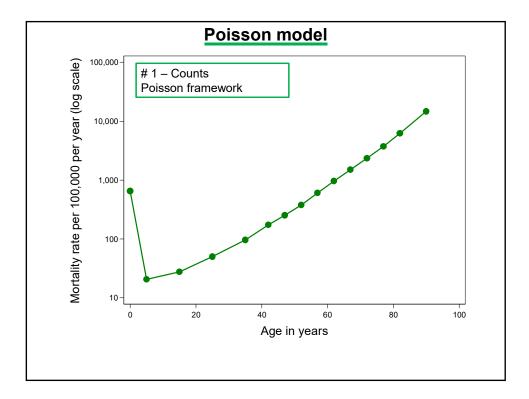
Veronica Di Carlo

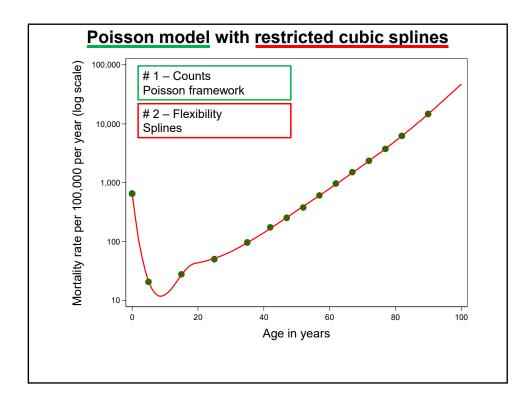
Constructing life tables: CONCORD-3 study

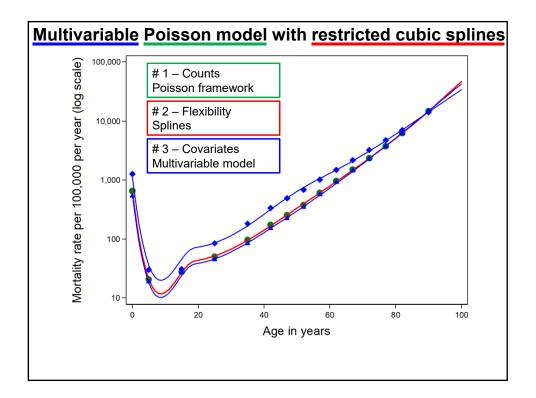
322 population-based cancer registries Three categories of data obtained for life tables:

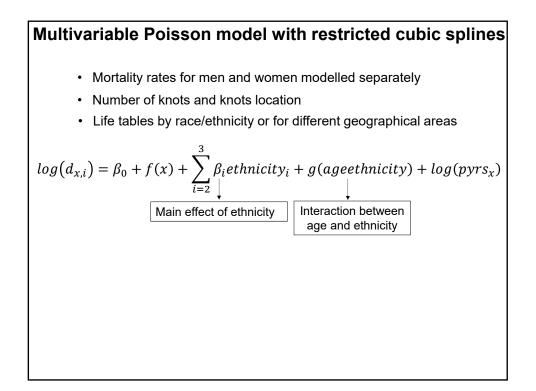
- 1. Death and population counts
 - Multivariable Poisson model with restricted cubic splines
- 2. Mortality rates from National Statistics
 - Ewbank method for smoothing mortality rates
- Abridged life tables from the UN Population Division
 □ Elandt-Johnson method

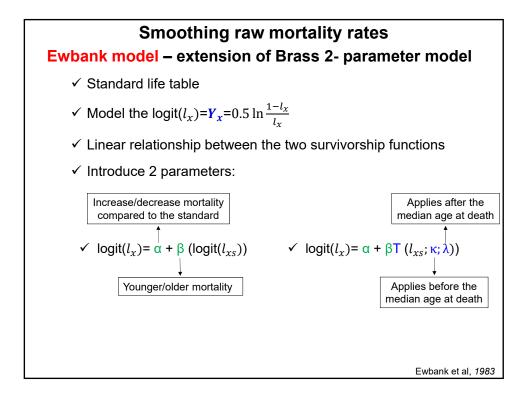






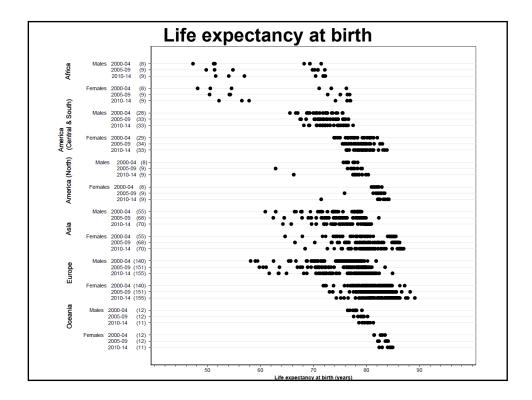


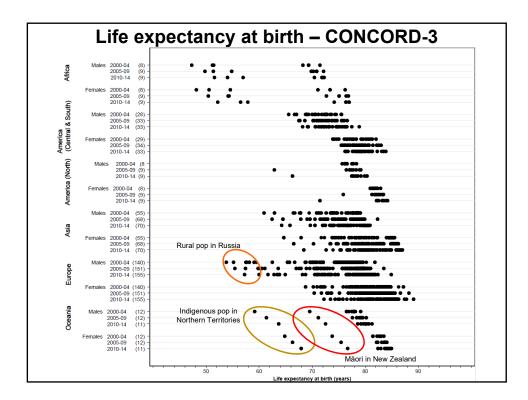


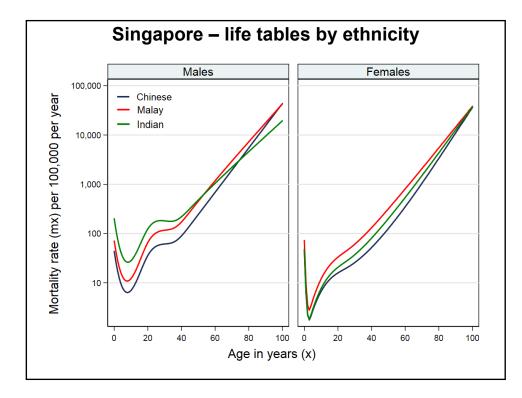


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			Ε	land	t-Jol	nnso	on m	netho	d				
Death and population counts						M	Mortality rates from National Statistics						
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			_										
				Not av	ailahl	o or n	ot roli	ahla					
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	1.1	:1			م ار ر مر م		D: :.		r - 1 -				
	Un	nec	Inat	on P	opuia	ation	DIVIS	sion Li	ie ta	ples			
		,		e table, for fe					Cumit -1	Dereer			
Region, subregio		Age (x)	Central death rate	Probability of dying	Probability of surviving	Number of survivors	deaths	Number of person-years	Survival ratio	Person- vears lived	Expectation	Average numbe of years lived	
country or area			m(x,n)	q(x,n)	p(x,n)	l(x)	d(x,n)	lived L(x,n)	S(x,n)	T(x)	of life e(x)	a(x,n)	
Afghanistan	1950-1955	0	0.32005	0.26494	0.73506	100 000	26 494	82 779	0.68486	2 942 591	29.43	0.35	
Afghanistan	1950-1955	1	0.05017	0.17721	0.82279	73 506	13 026	259 649	0.85692	2 859 812	38.91	1.3	
Afghanistan	1950-1955	5	0.01051	0.05101	0.94899	60 480	3 085	293 435	0.95833	2 600 163	42.99	2.09	
Afghanistan	1950-1955	10	0.00816	0.04000	0.96000	57 395	2 296	281 207	0.95492	2 306 729	40.19	2.4	
Afghanistan	1950-1955	15	0.01073	0.05230	0.94770	55 099	2 882	268 531	0.94113	2 025 521	36.76	2.5	
Afghanistan	1950-1955	20	0.01348	0.06523	0.93477	52 218	3 406	252 722	0.93081	1 756 990	33.65	2.5	
Afghanistan	1950-1955	25	0.01512	0.07285	0.92715	48 812	3 556	235 236	0.92256	1 504 268	30.82	2.5	
Afghanistan	1950-1955	30	0.01714	0.08219	0.91781	45 256	3 7 1 9	217 020	0.91386	1 269 032	28.04	2.5	
Afghanistan	1950-1955	35	0.01884	0.08997	0.91003	41 537	3 7 3 7	198 325	0.90681	1 052 013	25.33	2.5	
Afghanistan	1950-1955	40	0.02028	0.09648	0.90352	37 800	3 647	179 844	0.90067	853 687	22.58	2.4	
Afghanistan	1950-1955	45	0.02192	0.10396	0.89604	34 153	3 551	161 979	0.88285	673 844	19.73	2.5	
Afghanistan	1950-1955	50	0.02854	0.13337	0.86663	30 602	4 081	143 003	0.85112	511 864	16.73	2.5	
Afghanistan	1950-1955	55	0.03665	0.16821	0.83179	26 521	4 461	121 713	0.79892	368 862	13.91	2.5	
Afghanistan	1950-1955	60	0.05444	0.23997	0.76003	22 060	5 294	97 239	0.72699	247 149	11.20	2.5	
	1950-1955	65	0.07411	0.31248	0.68752	16 766	5 239	70 691	0.63584	149 910	8.94	2.4	
Afghanistan		70	0.10992	0.42861	0.57139	11 527	4 941	44 948	0.51201	79 219	6.87	2.4	
Afghanistan Afghanistan	1950-1955	10						23 014	0.37755		5.20	23	
-	1950-1955 1950-1955	75	0.16084	0.56201	0.43799	6 586	3 702	23 0 14	0.37755	34 270	5.20	2.3	
Afghanistan			0.16084	0.56201	0.43799	6 586 2 885	3 702 2 019	8 689	0.22809	34 270 11 256	3.90	2.3	







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