

Life tables - demographics

- static life table: observer infers past population from current members or evidence from dead members of the population
- cohort life table: following a group of similarly aged individuals from birth to death

x	n	d	l	q	L	T	e	m	$l x m$
age class	# alive beginning	# deaths during	proportion alive beginning	death rate during	average # alive	sum of ave. living age classes	life expectancy $T/n(x)$	fecundity	
0-1	10000	1000	1	0.1	9500	30100	3.01	0	0
1-2	9000	1000	0.9	0.11111111	8500	20600	2.289	0	0
2-3	8000	0	0.8	0	8000	12100	1.513	0.5	0.4
3-4	8000	7900	0.8	0.9875	4050	4100	0.5125	0.6	0.48
4-5	100	100	0.01	1	50	50	0.5	0.1	0.001
								R=	0.881