

Sample Life History Table: iteroparous species with overlapping generations

Age (x)	Number surviving to each age class	Probability of Survival (l_x)	Fecundity (b_x)	$l_x b_x$	$l_x b_x x$
0	100	1.0	0	0	0
1	45	.45	2.0	.9	.9
2	15	.15	2.5	.375	.75
3	5	.05	2.5	.125	.375
4	0	0	-	0	0

Reproductive value (R_0) = $\sum l_x b_x = 0 + .9 + .375 + .125 + 0 = \mathbf{1.4}$

Generation Time (T) = $\sum l_x b_x x / \sum l_x b_x = 2.025 / 1.4 = \mathbf{1.45}$

Growth Rate (r) = $\ln R_0 / T = \ln 1.4 / 1.45 = .336 / 1.45 = \mathbf{.232}$