

SURVIVAL RATE vs. EXPECTATION OF LIFE

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If we assume that a population of full grown and fully independent birds has a uniform annual survival rate -

$$\frac{\text{number of birds alive on a given date}}{\text{number of birds alive one year earlier}}$$

- then we can calculate a figure for the expectation of life after any given date regardless of the age of the bird. This assumption of a uniform survival rate may not be strictly true but I know of no case in which it can be disproved with certainty.

I submit a table for various survival rates and also a plot of part of the span of the table.

