

Computer files for

Caswell, H. 2014. A matrix approach to the statistics of longevity in the gamma-Gompertz and related heterogeneous frailty models. Demographic Research.

This folder contains two Matlab files:

`gamma_gompertz_mortality.m`

This is a Matlab script that computes the statistics of longevity for the example of Swedish females, 1950, based on parameters for the gamma-Gompertz model reported in Table 1 of Missov (2013). This

`sp_vecperm.m`

This is a Matlab function that generates a sparse vec-permutation matrix. This function is called by `gamma_gompertz_mortality.m`. Using sparse matrix methods is useful because some of the matrices involved in the analysis are very large, but composed mostly of zeros.