

Lecture 4, Thursday, Aug. 30.

Matrix-based/age-structured population models

Required Reading: Section 8.1 of reference 1.

We will work on the problem 20 of page 35 in the text. We will introduce Leslie matrix/model. Obtain the characteristic equation for the Leslie matrix and show that it has a positive eigenvalue when there are at least two productive age classes. On Tuesday, Sept. 4, we will show that most Leslie models produce a stable age distribution.