Assignment 3: Predators, Prey, and Foodwebs

1. Community Stability: connections count

With $S=250, \sigma=0.3,$ how does stability depend on C.

- 2. Examples of particular dynamics
- 2.1 damped oscillations of a population to a stable equilibrium point
- 2.2 stable cycles
- 2.3 unstable dynamics away from a nontrivial equilibrium
- 2.4 chaotic dynamics