

Homework 09

Assigned on 2020-11-28

Due on 2020-12-04

1. (Computing degree correlation measures) Consider the undirected network given in the `net8.txt` file accompanying this homework. Each line in this file is a link.
 - (a) Compute and plot as a heatmap the degree correlation matrix for this network. By looking at the figure, decide whether this network is assortative, neutral, or disassortative.
 - (b) Compute and plot the degree correlation function for this network. By looking at the figure, decide whether this network is assortative, neutral, or disassortative.
 - (c) Compute the degree correlation coefficient for this network. By looking at this number, decide whether this network is assortative, neutral, or disassortative.