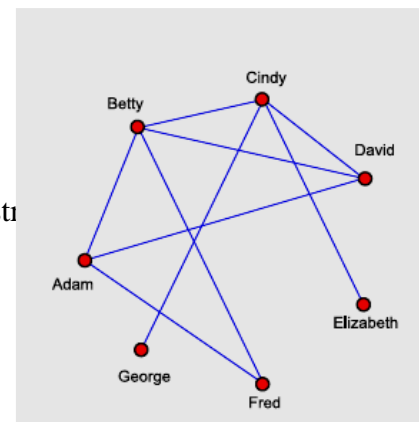


Tutorial 03

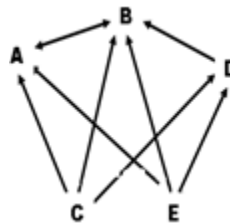
Social Network Analysis

Ques:1 Answer the Following statistical measures using manually and using Gephi/NetworkX(python library) for the given graph, Input given network data in Gephi and compute the following-

- Compute Geodesic distance of each node from all other nodes.
- Compute eccentricity of all the nodes
- Compute the Average path length of the network
- Compute diameter of the network.
- Compute Average Degree of the network
- Apply filter (in Gephi) to highlights nodes having degree distribution more than 4.



Ques2: Answer each of the questions based on the networks below in both manually and using Gephi/NetworkX library of Python.



- What is the degree distribution for both in and out degree of the network?
- What is the average degree of the network?