ICON8002 SNA

2018-10-31

Social Network Analysis

This is a report generated from social network analysis of the actors within the shrimping industry on the Georgia Coast. The resulting output of the analysis demonstrates the relationships between shrimpers, dockers, and other agencies/organizations.

Network attributes

- Diameter

[1] 12

- Reciprocity

[1] 0.06046329

- Number of edges

[1] 2547

- Number of egos

[1] 592

- Edge density

[1] 0.007279805

- Closeness The vertex with the greatest closeness is *Lewis, Eunice* (number: 332). This measures how many steps is required to access every other vertex from a given vertex.

The vertex with the least closeness is *Yourell, Amy* (number: 303). This measures how many steps is required to access every other vertex from a given vertex.

- Degree

The vertex with the greatest degree is *Mirmortazavi, Bridgette* (number: 228). This measure is the number of its adjacent edges.

The vertex with the fewest degree is *Palomo, Daianaira* (number: 521). This measure is the number of its adjacent edges.
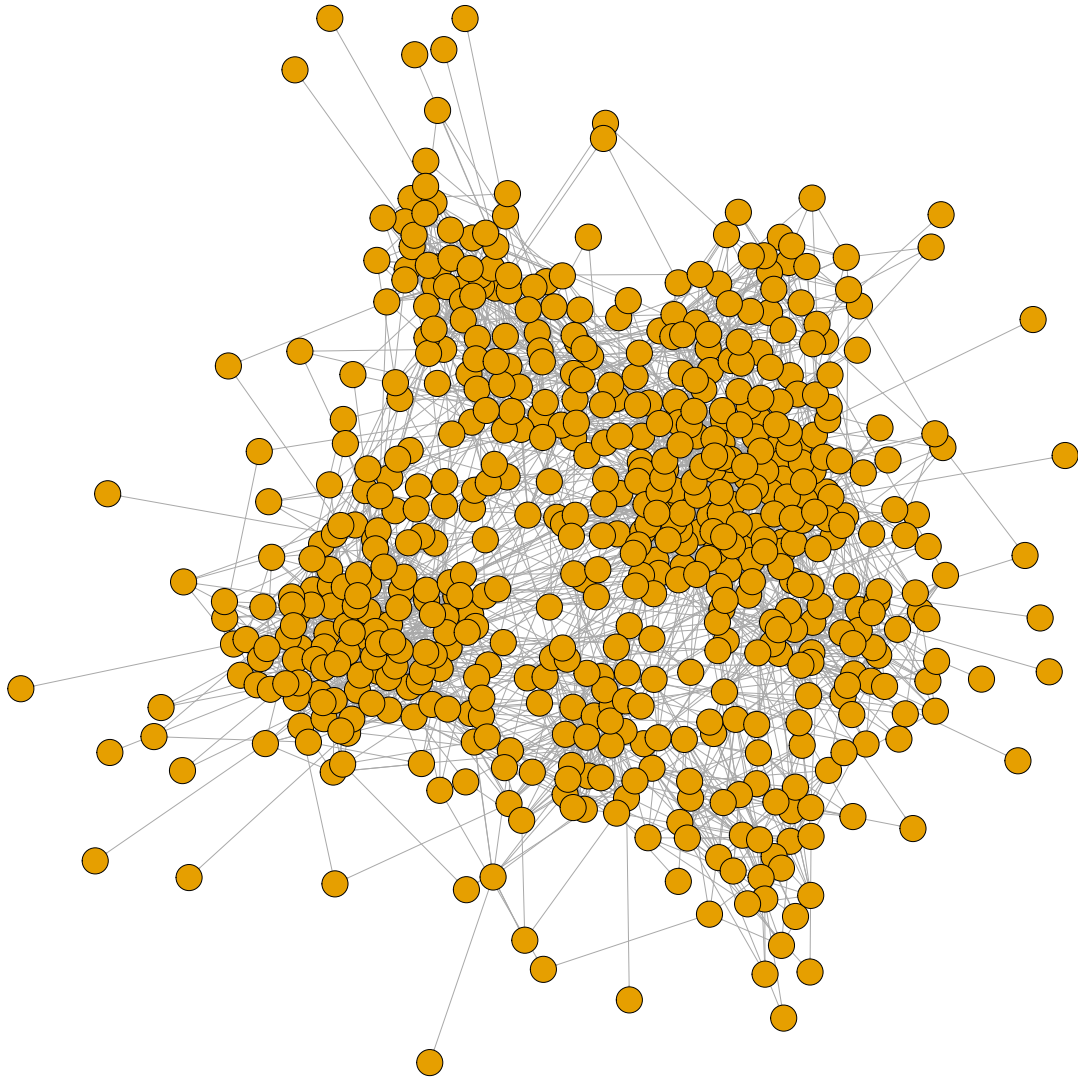
Network plots

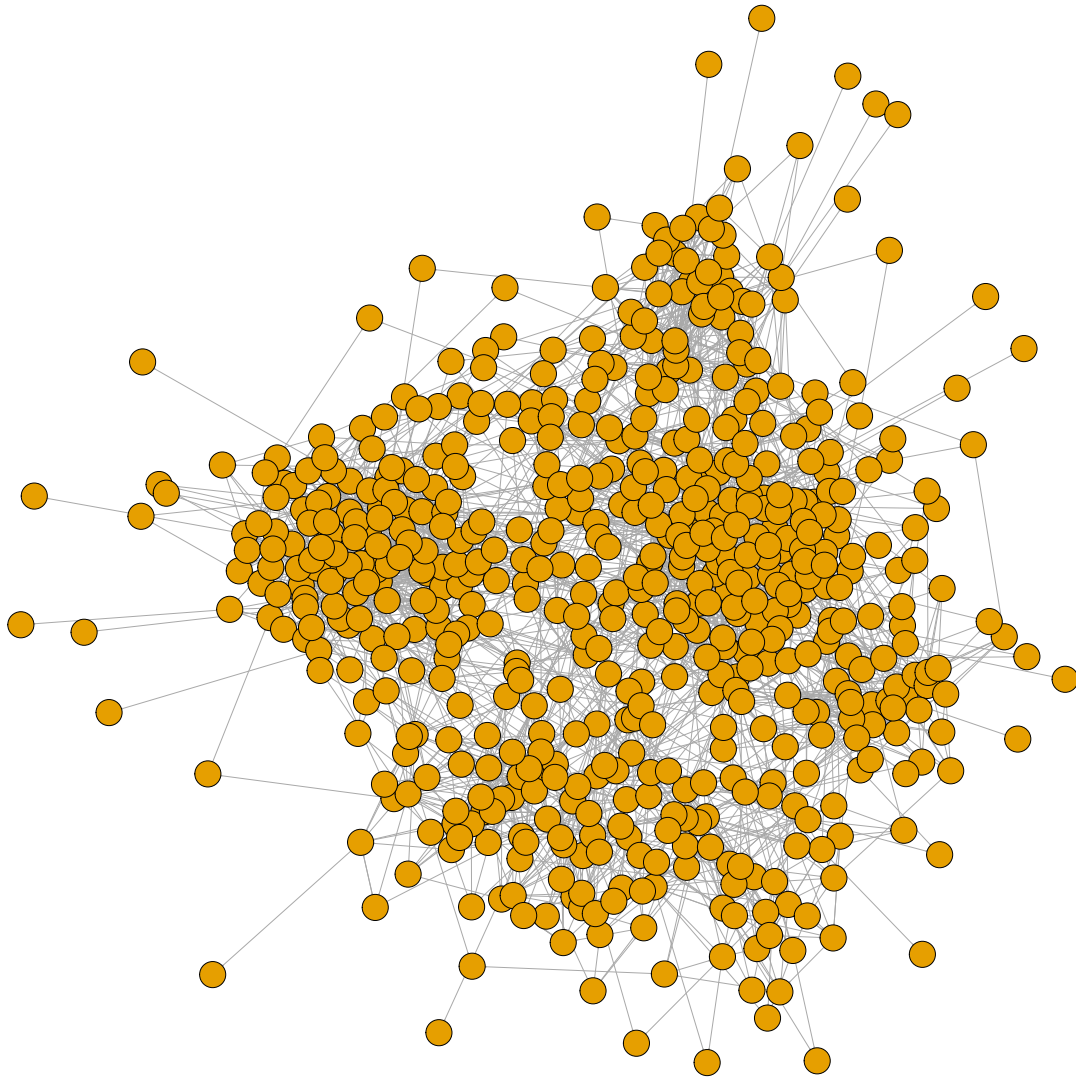Figure 1: Original social network plot with no alterations (Fruchterman-Reingold layout)

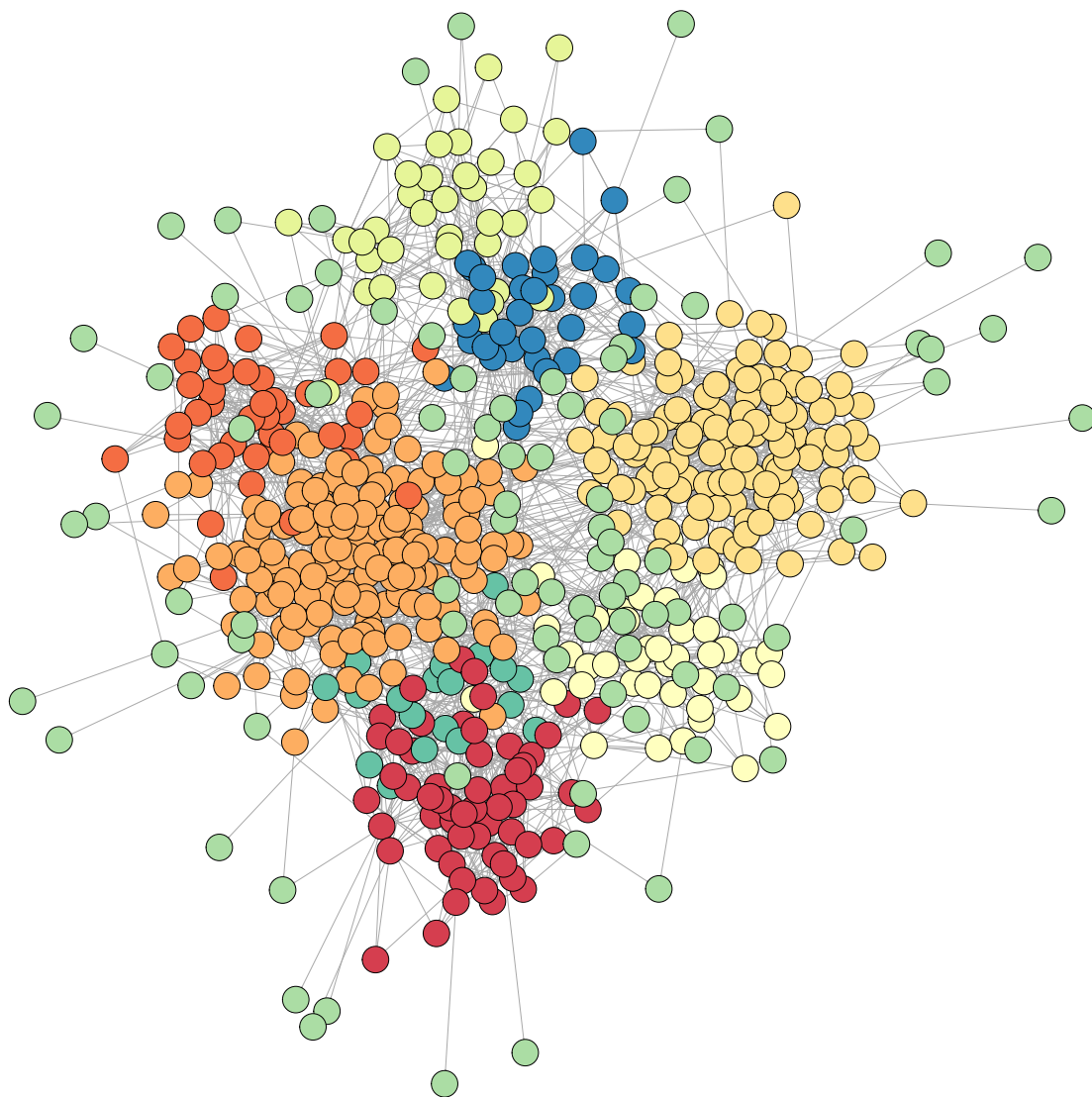Figure 2: Original social network plot with no alterations (Nicely layout)

Figure 3: Social network plot with vertex colored based on profession (Nicely layout)