

Erdos-Renyi model

Metrics

1. Karate Club

Average Diameter is 4.6

Average Clustering coefficient is 0.12326500297088536

Average Number of connected components is 1.0

2. Prison

Average Diameter is 5.2

Average Clustering coefficient is 0.08715610260386378

Average Number of connected components is 1.0

3. Dolphin

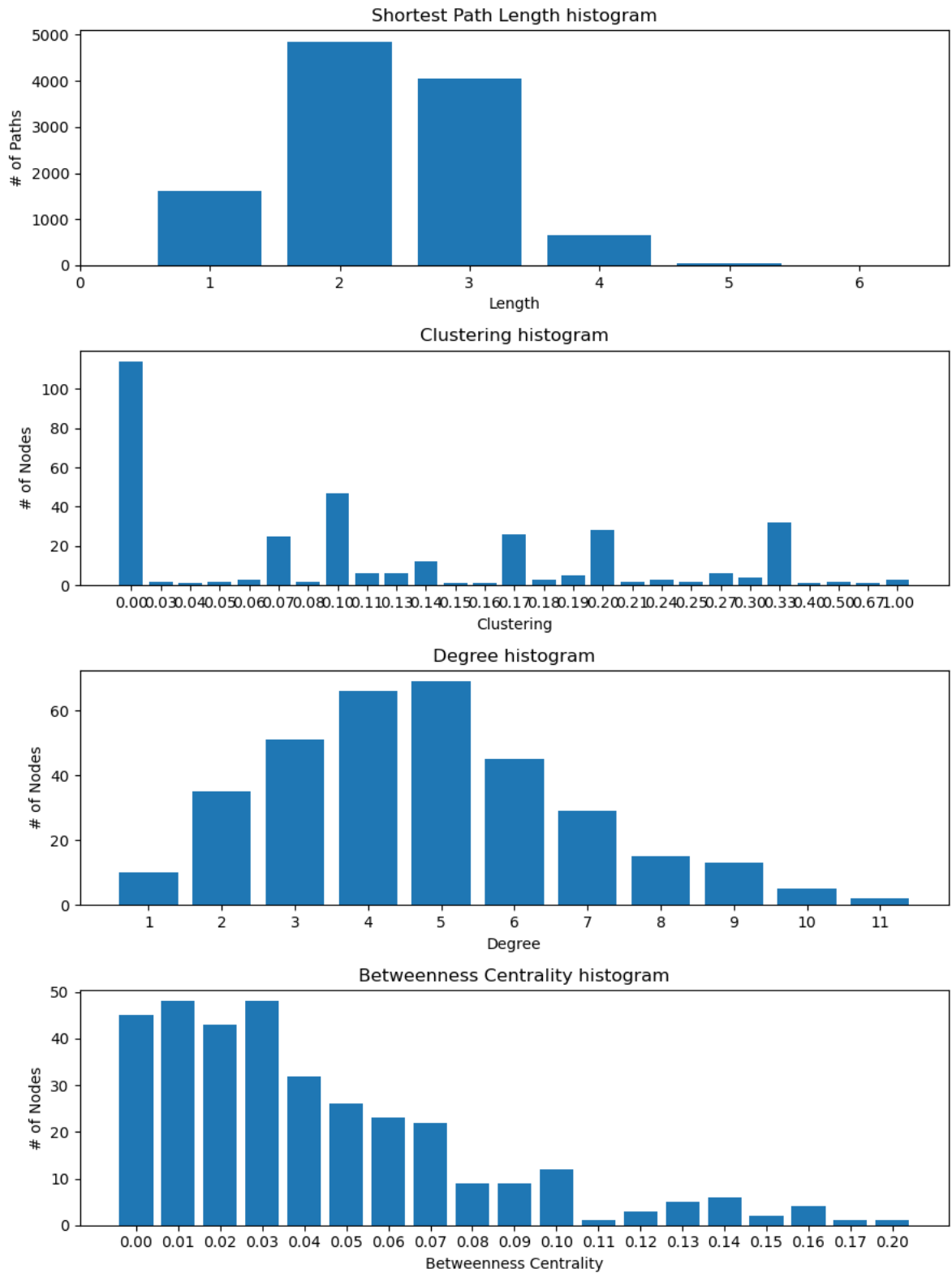
Average Diameter is 5.0

Average Clustering coefficient is 0.07748185479528763

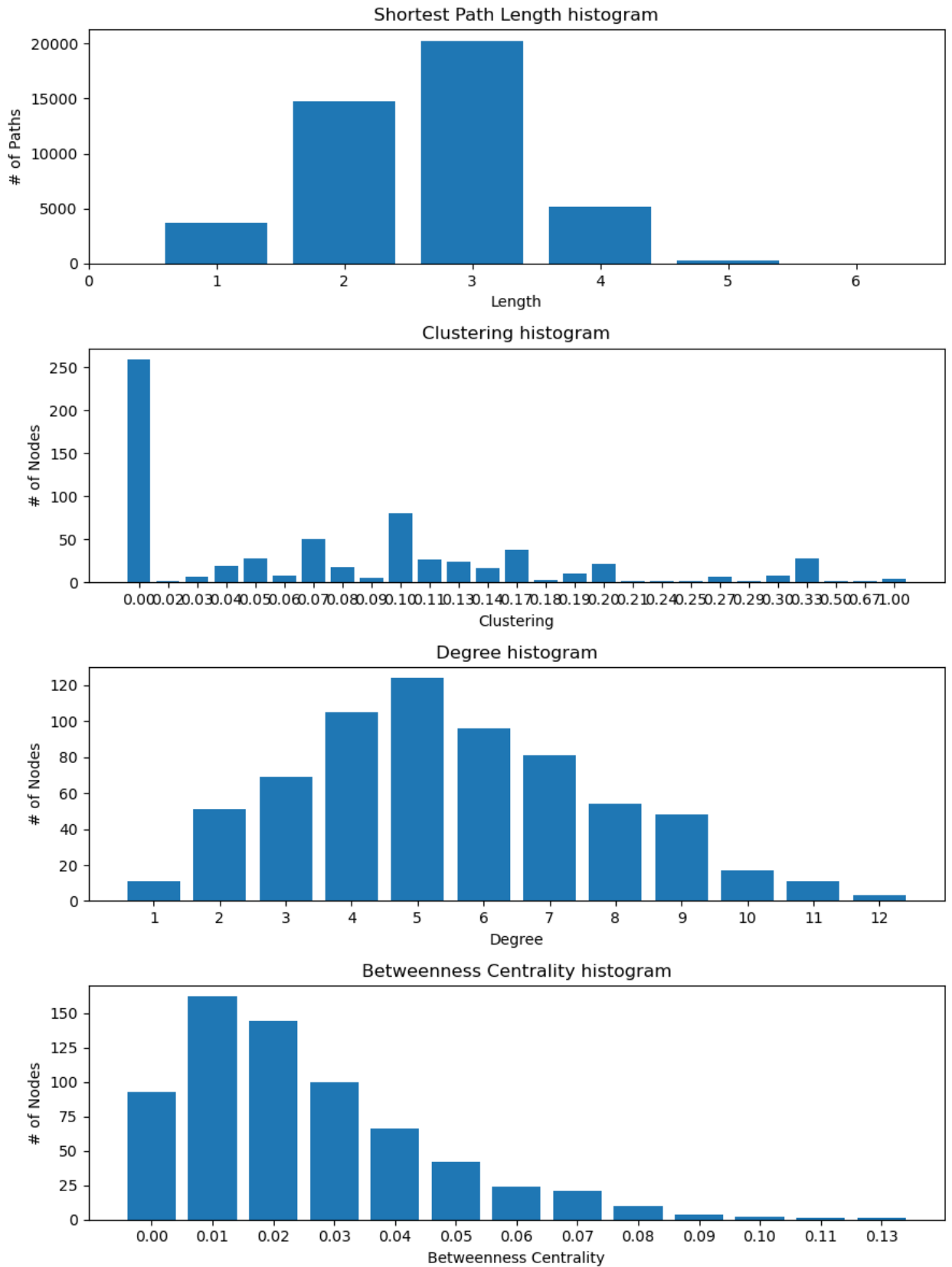
Average Number of connected components is 1.0

Histogram

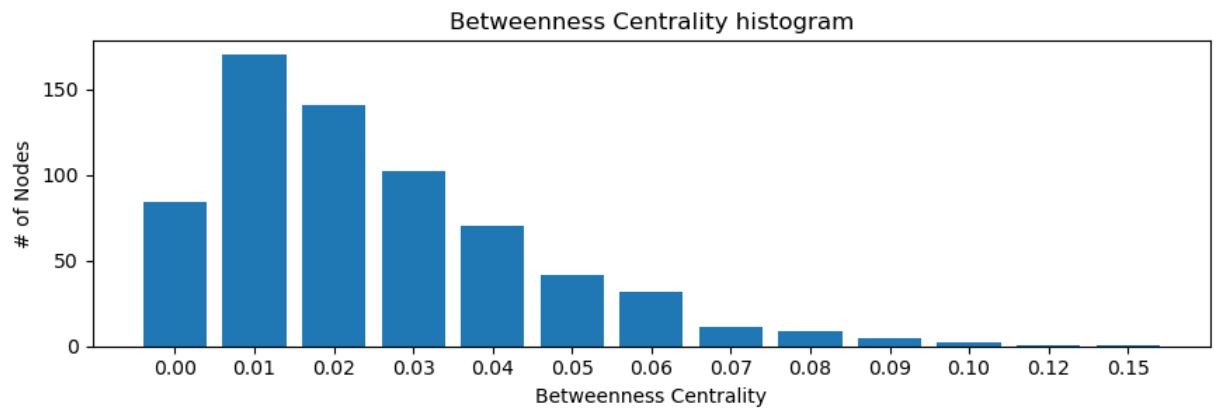
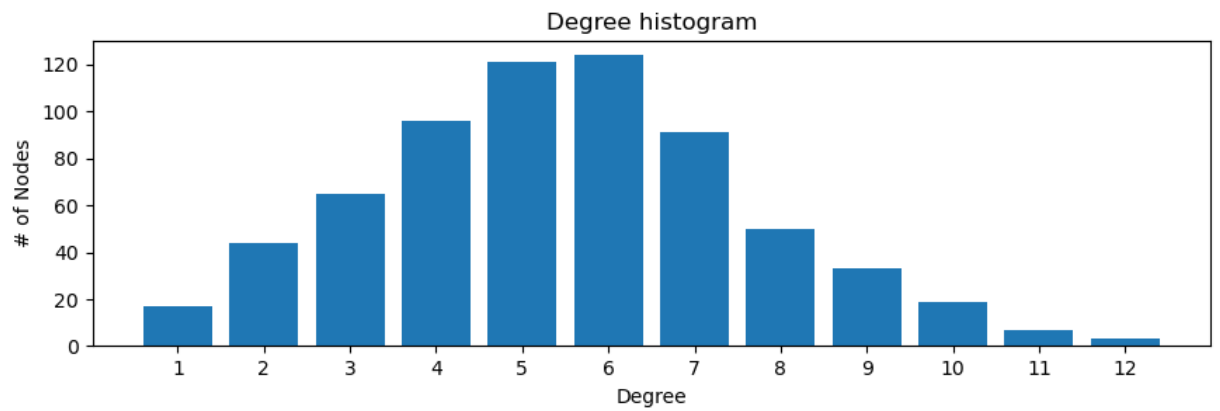
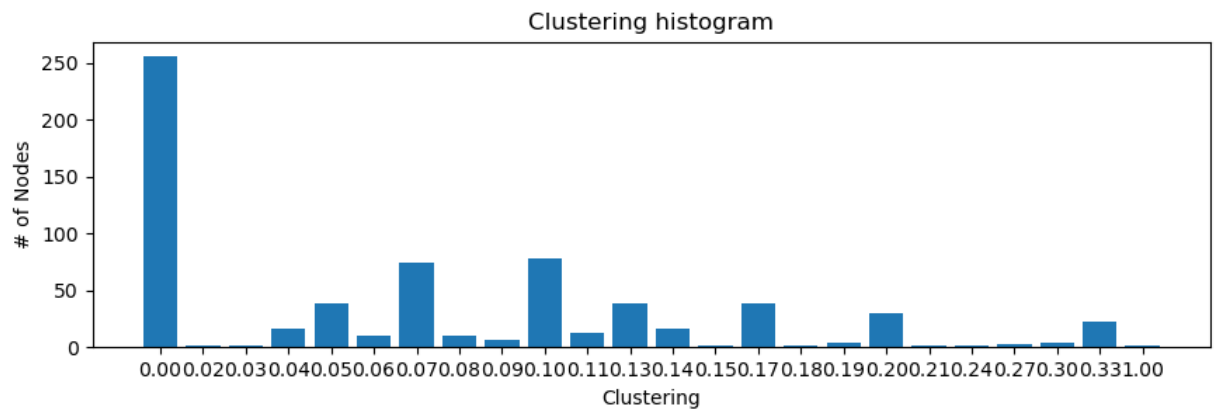
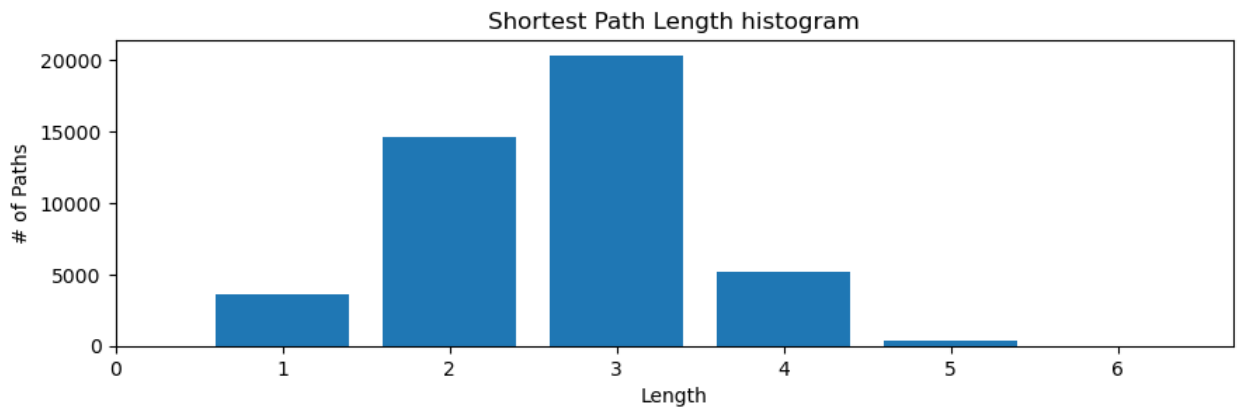
1. Karate Club



2. Prison



3. Dolphin



Watts and Strogatz model model

Metrics

- **Karate Club**

Average Diameter is 4.8

Average Clustering coefficient is 0.13153361344537814

Average Number of connected components is 1.0

- **Prison**

Average Diameter is 5.8

Average Clustering coefficient is 0.06834399431414358

Average Number of connected components is 1.0

- **Dolphin**

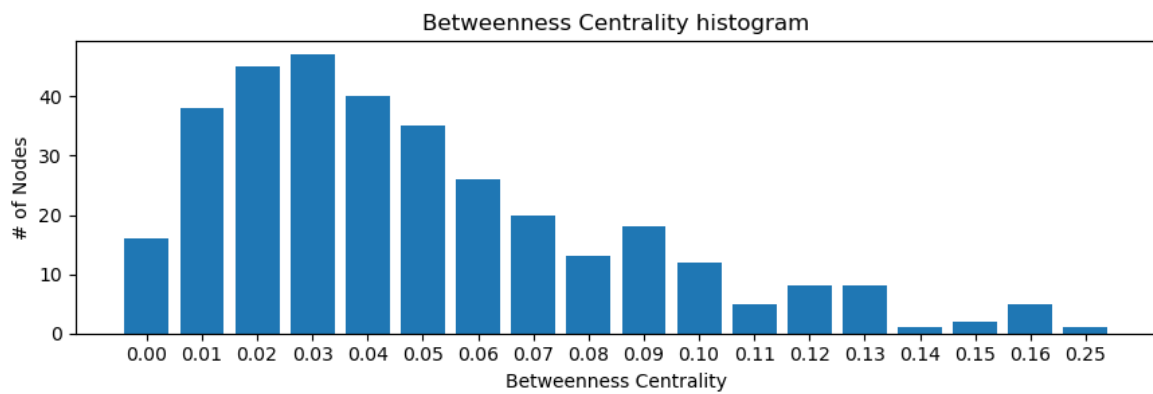
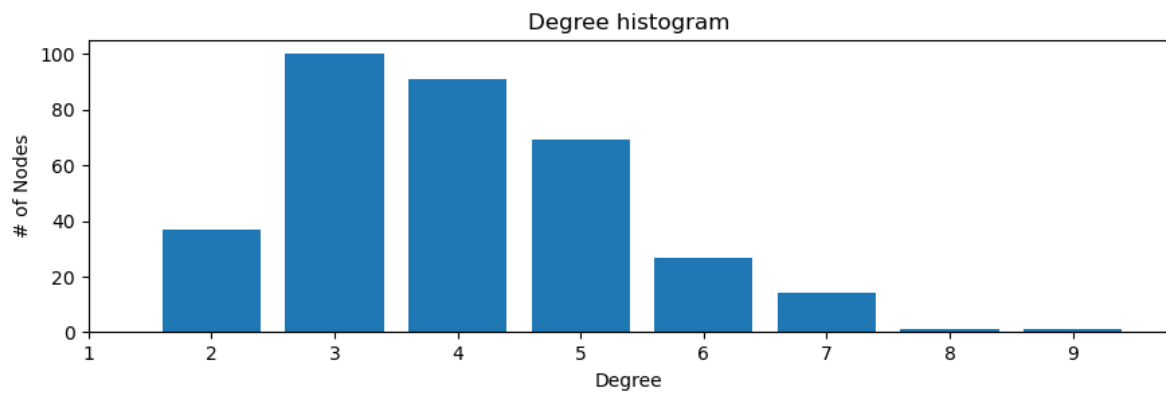
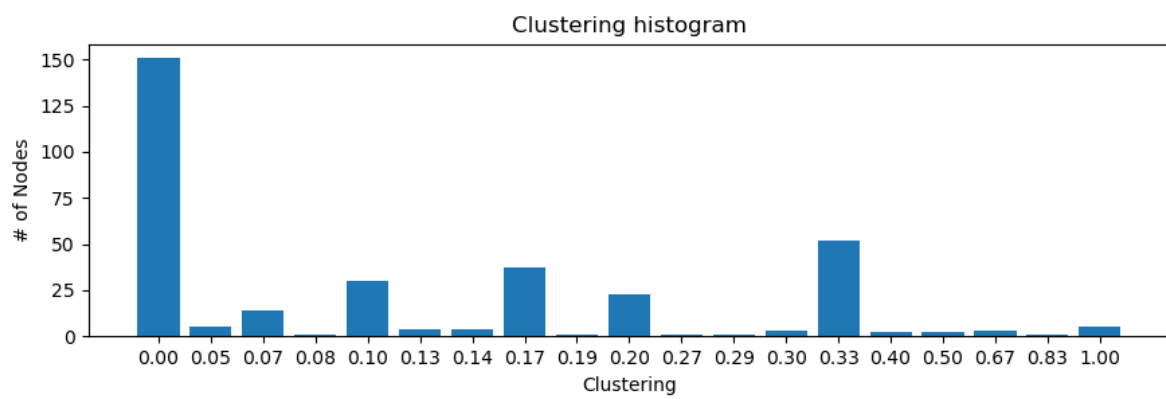
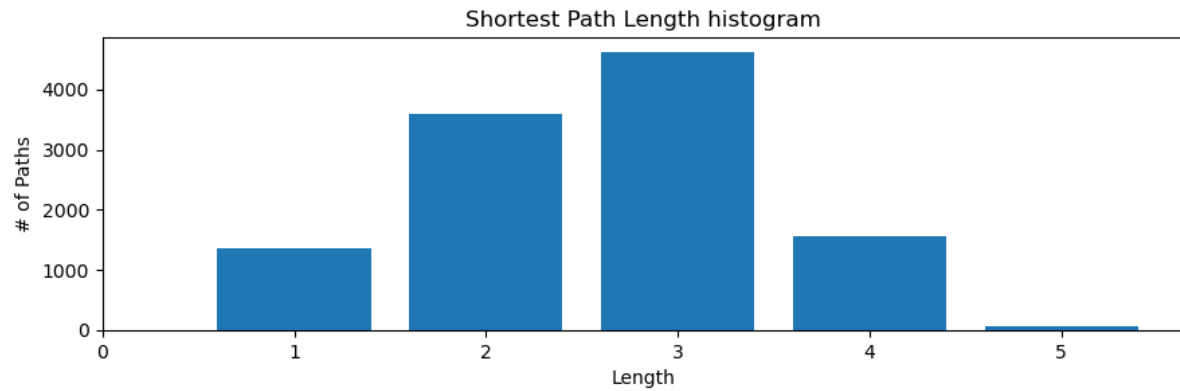
Average Diameter is 5.7

Average Clustering coefficient is 0.06694316436251921

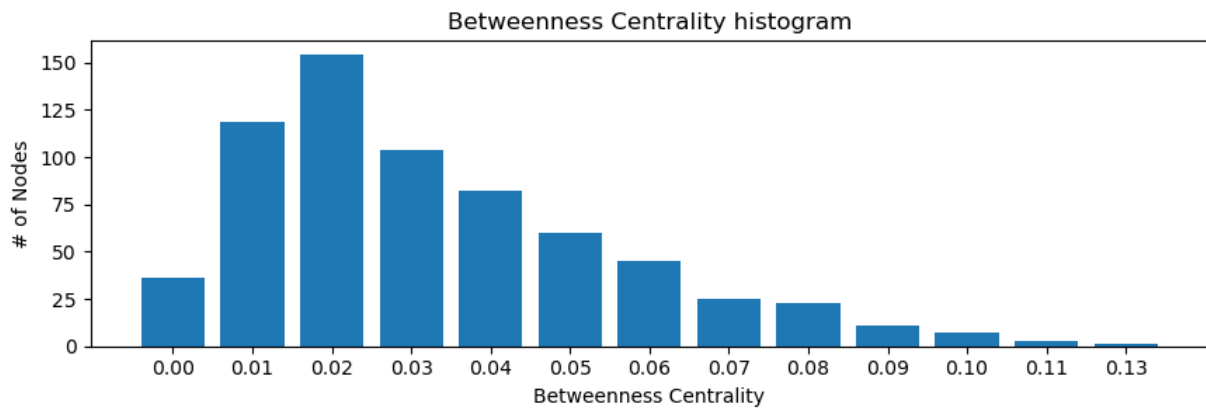
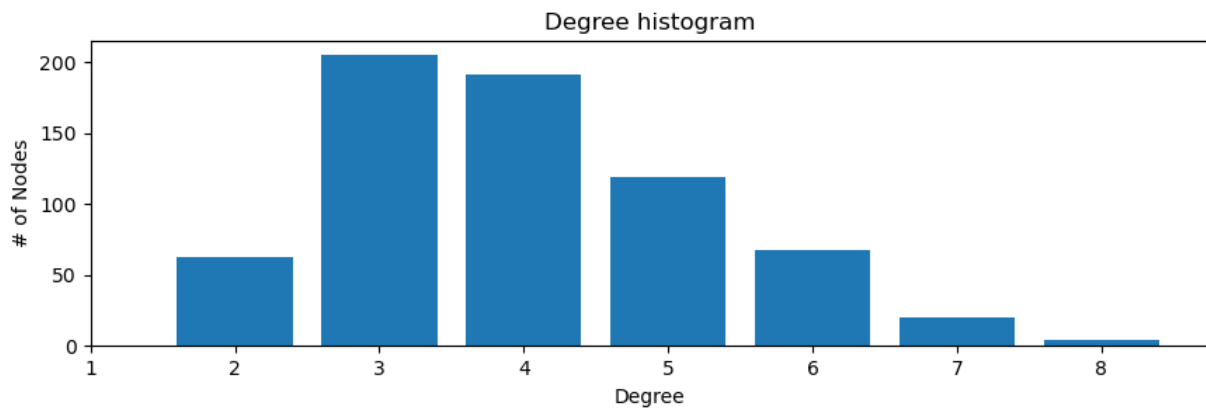
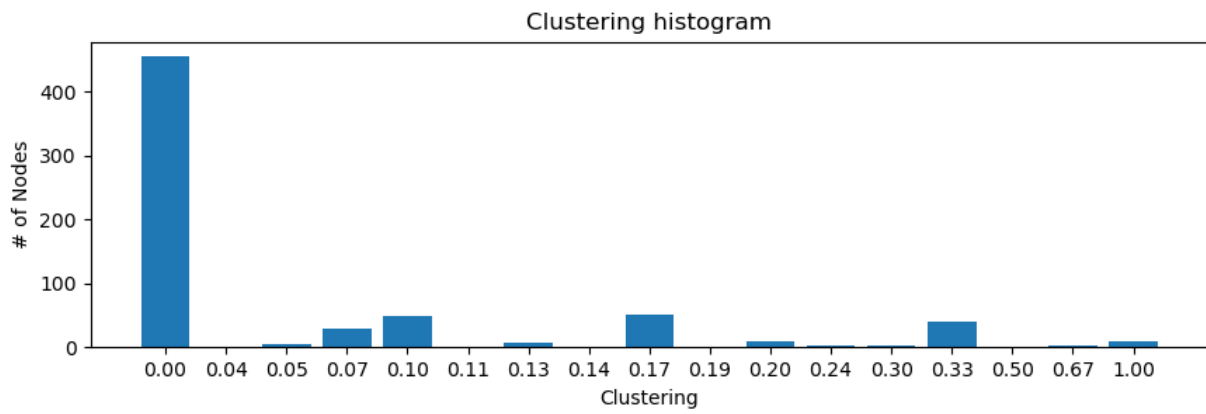
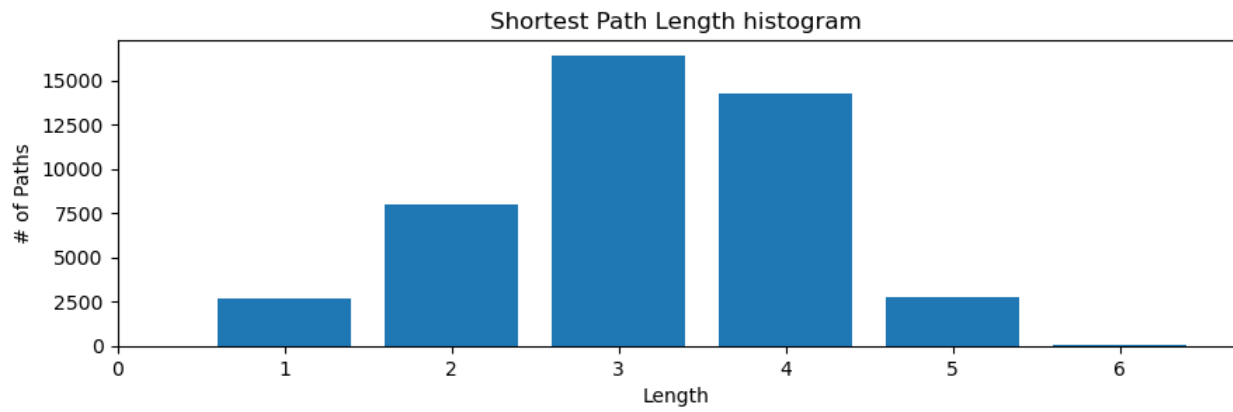
Average Number of connected components is 1.0

Histogram

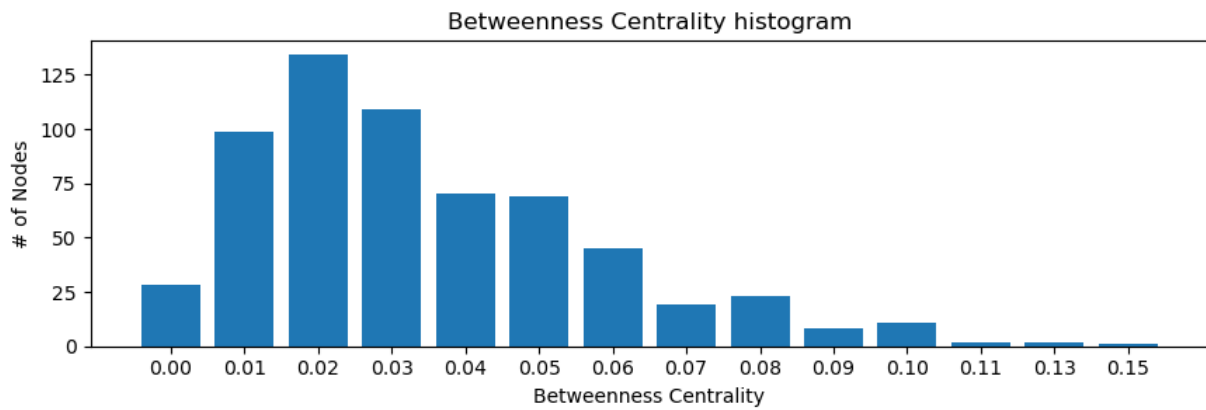
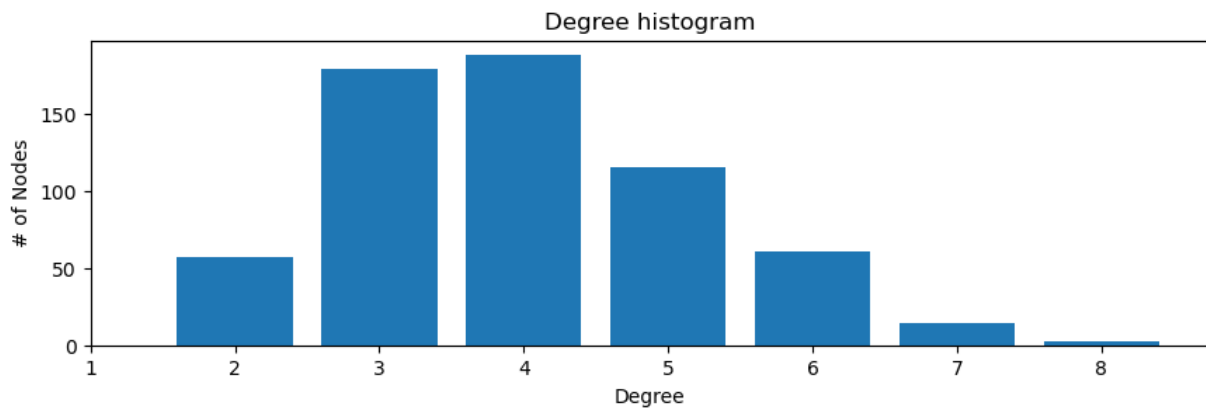
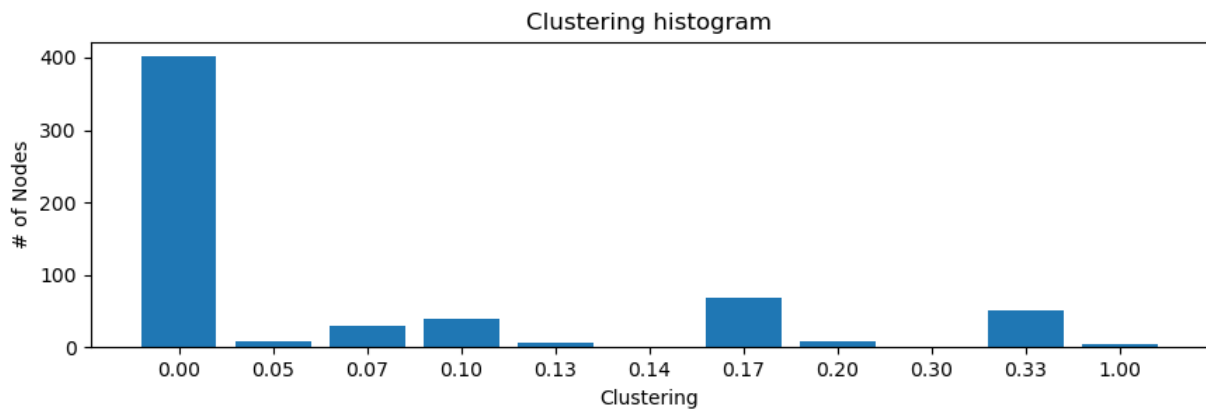
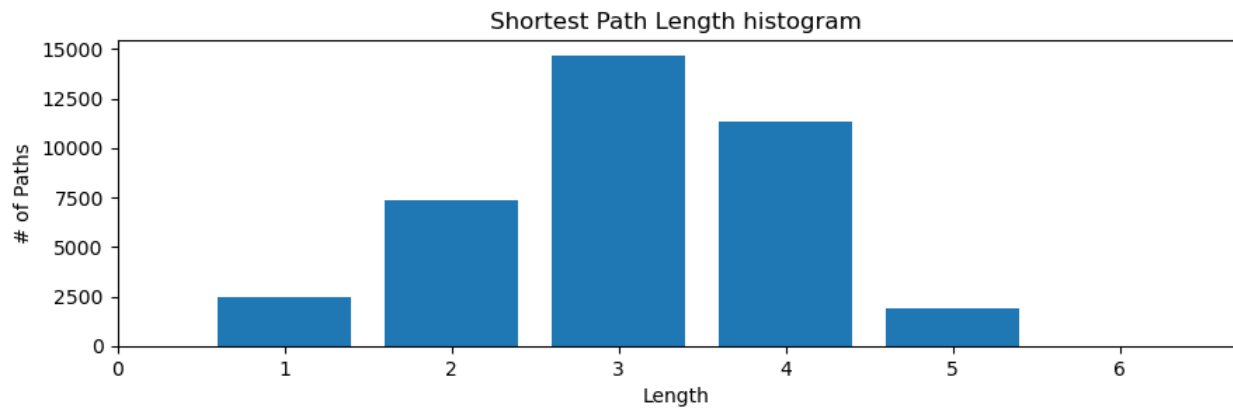
- Karate Club



- Prison



- Dolphin



Configuration model

Metrics

- **Karate Club**

Average Diameter is 5.1

Average Clustering coefficient is 0.17444601150483502

Average Number of connected components is 1.0

- **Prison**

Average Diameter is 5.5

Average Clustering coefficient is 0.0738600205764385

Average Number of connected components is 1.0

- **Dolphin**

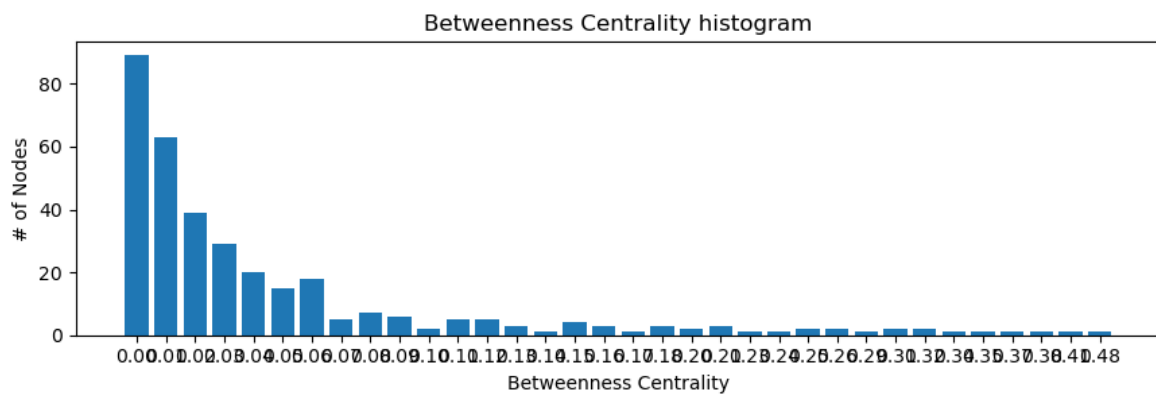
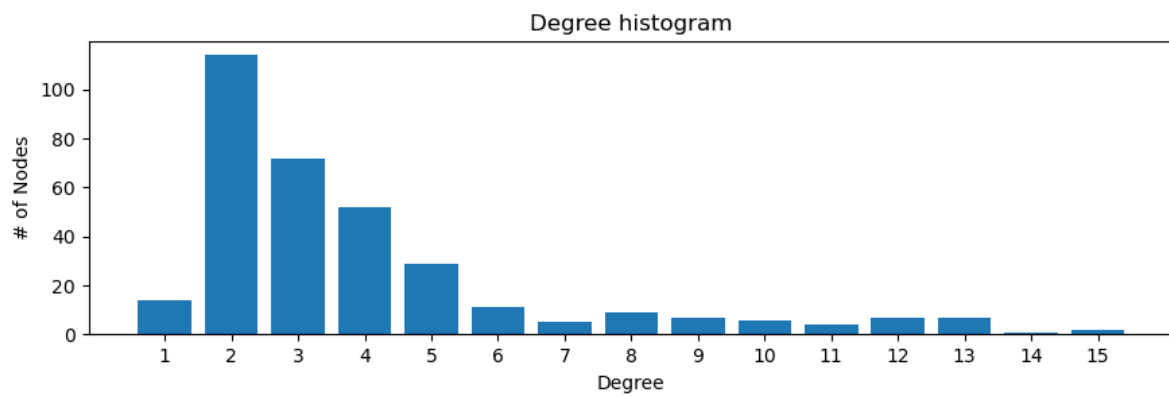
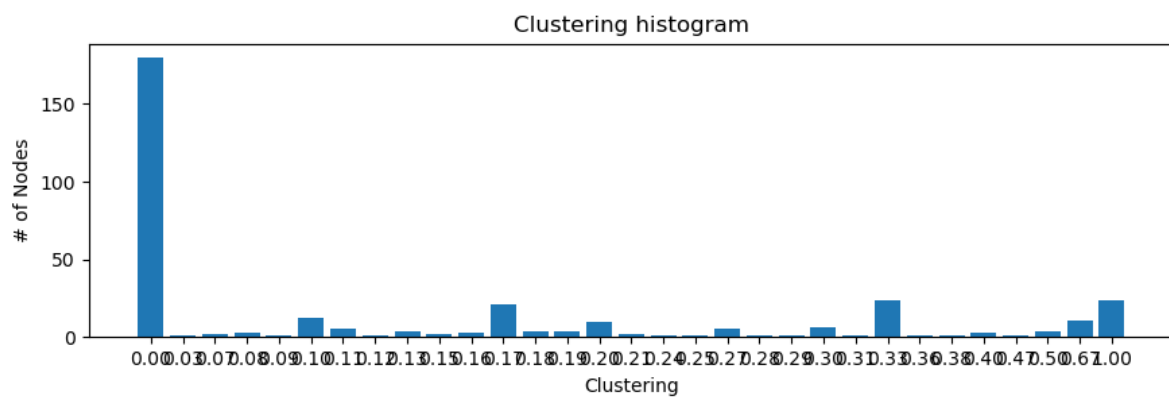
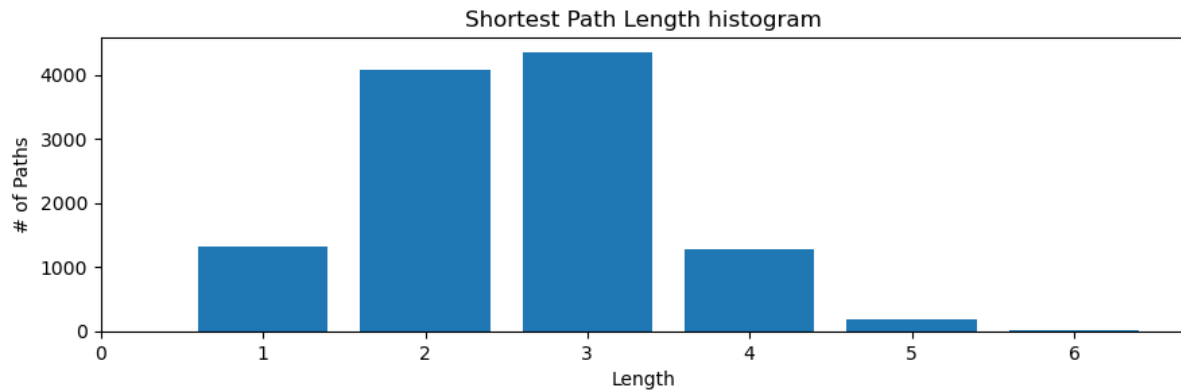
Average Diameter is 5.8

Average Clustering coefficient is 0.08403668016571242

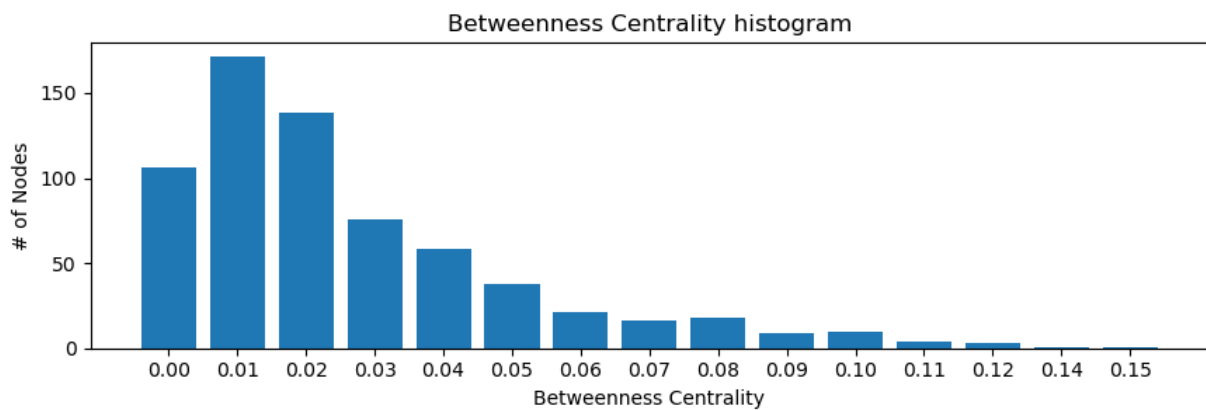
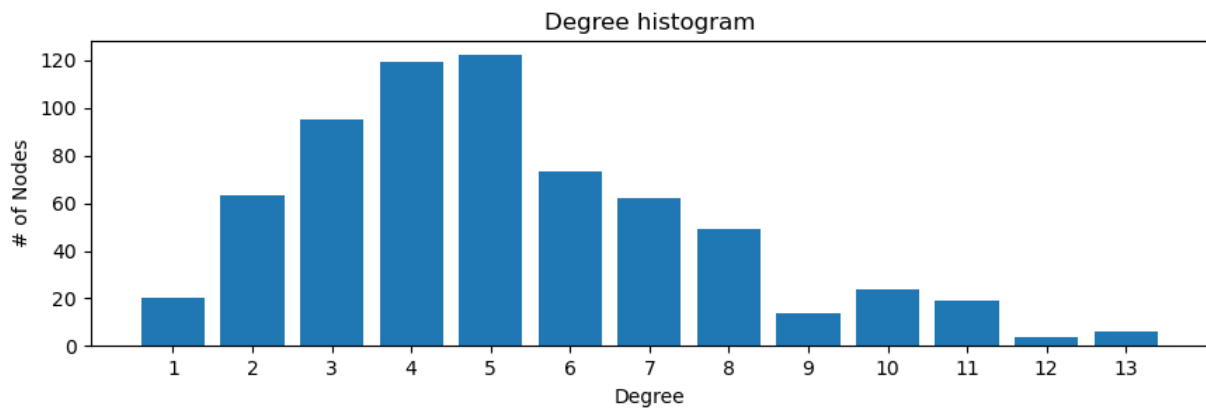
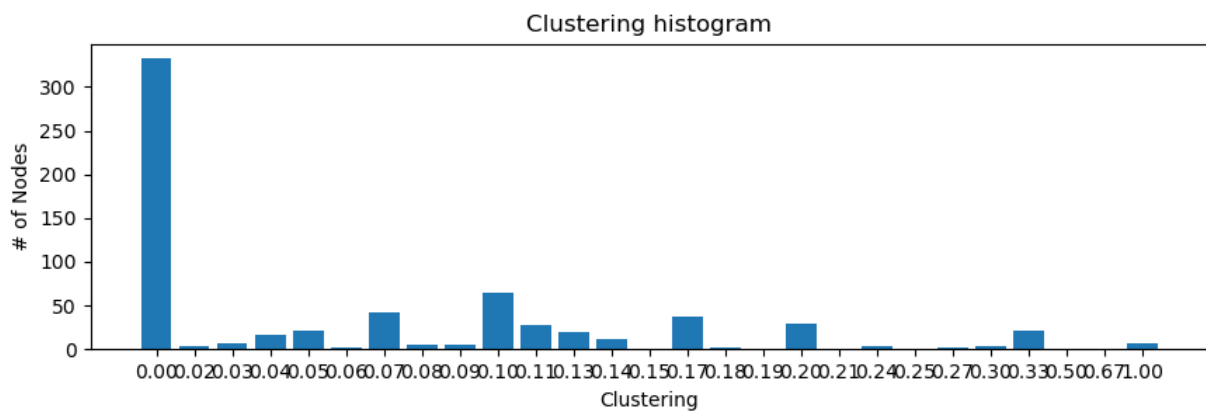
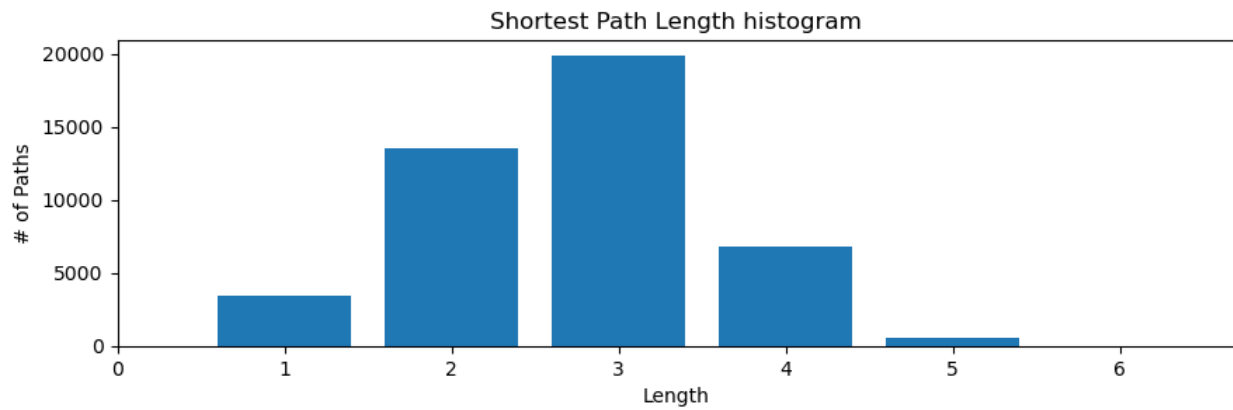
Average Number of connected components is 1.1

Histogram

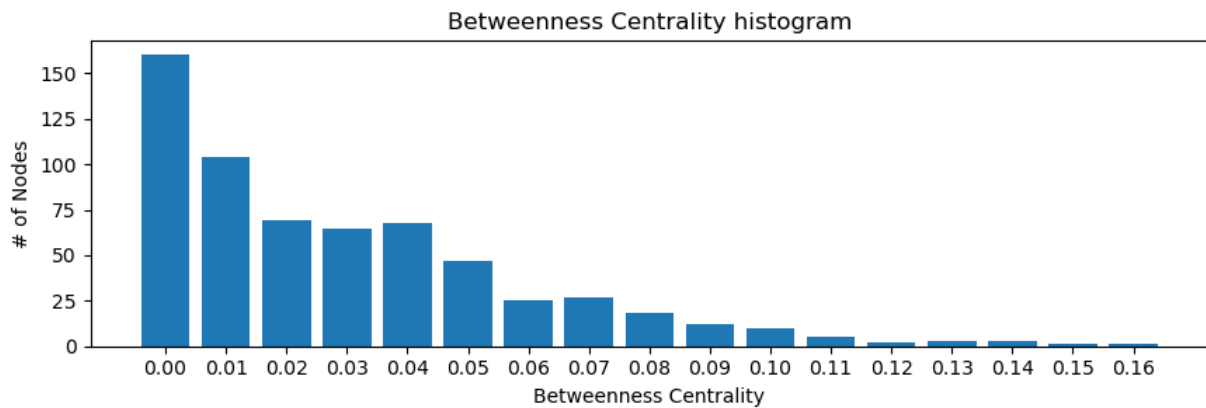
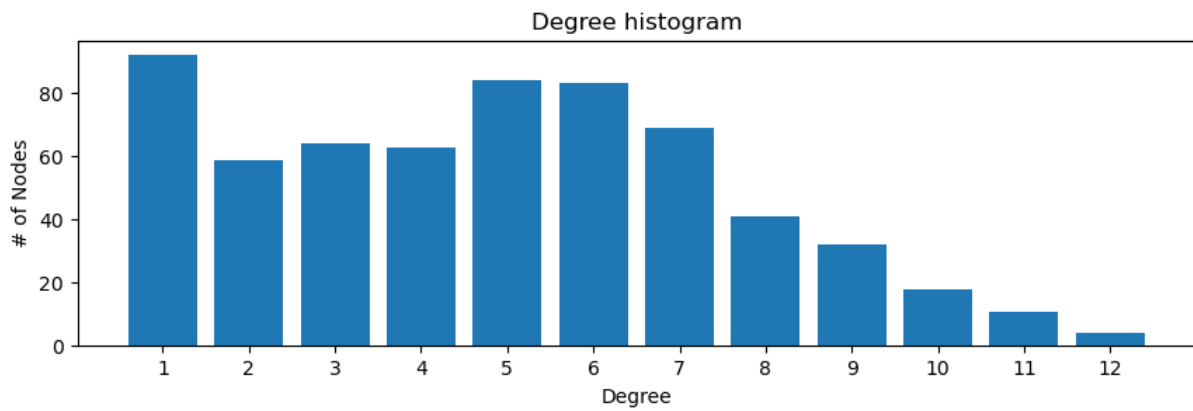
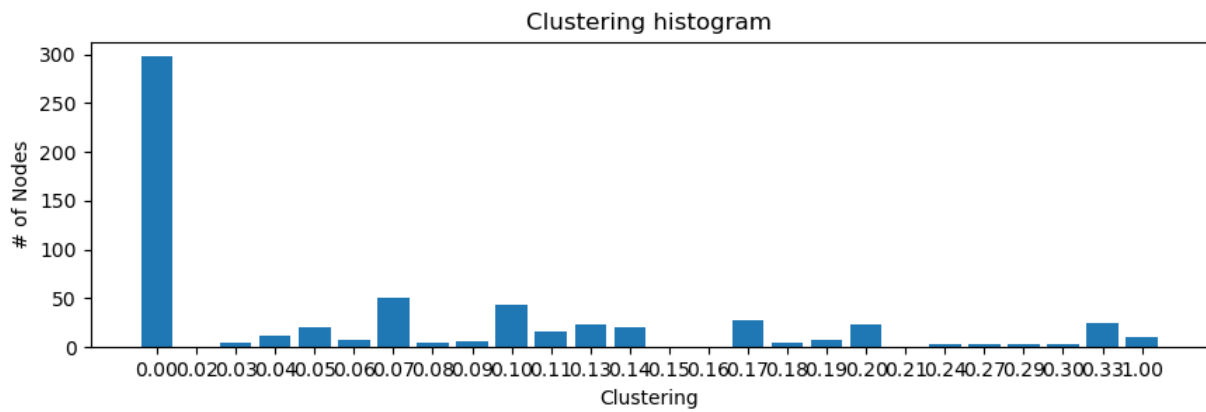
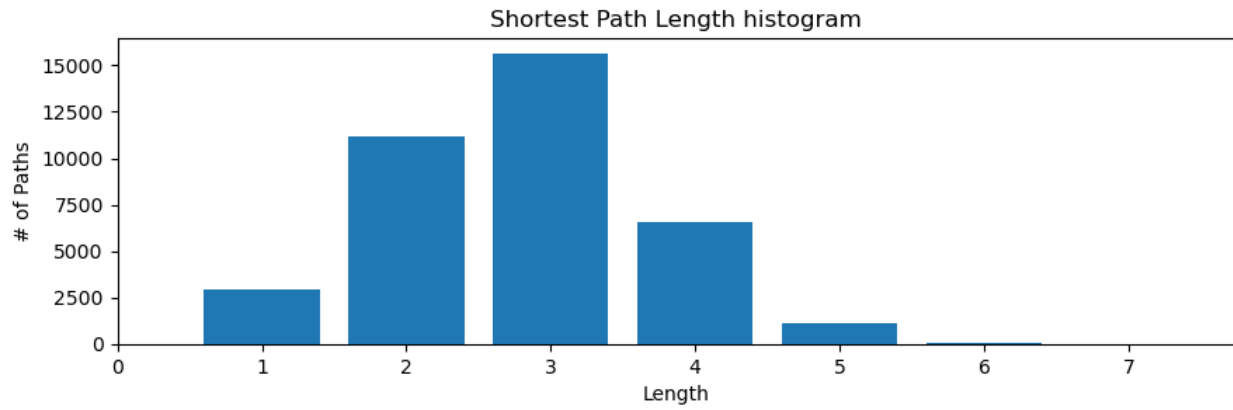
- Karate Club



- Prison



- Dolphin



Barabasi-Albert preferential attachment model

Metrics

- **Karate Club**

Average Diameter is 3.9

Average Clustering coefficient is 0.28815354597748516

Average Number of connected components is 1.0

- **Prison**

Average Diameter is 3.3

Average Clustering coefficient is 0.24784004206727622

Average Number of connected components is 1.0

- **Dolphin**

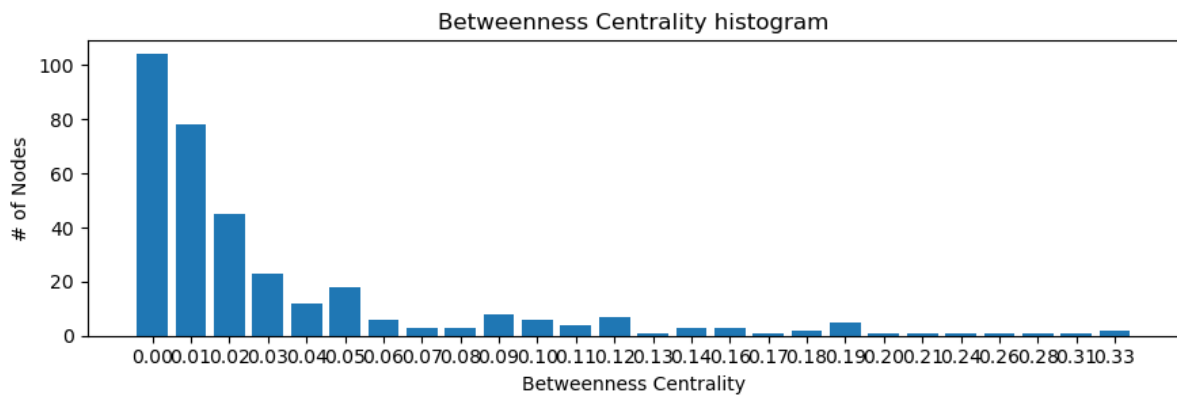
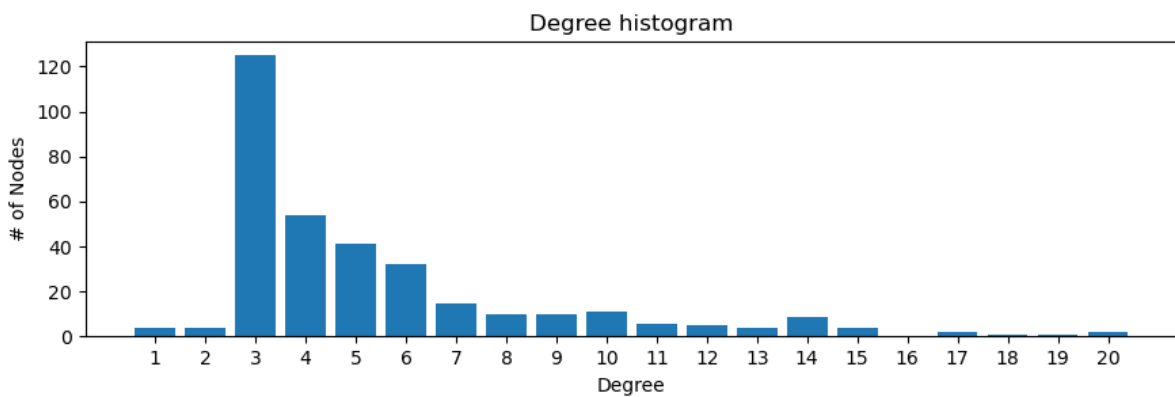
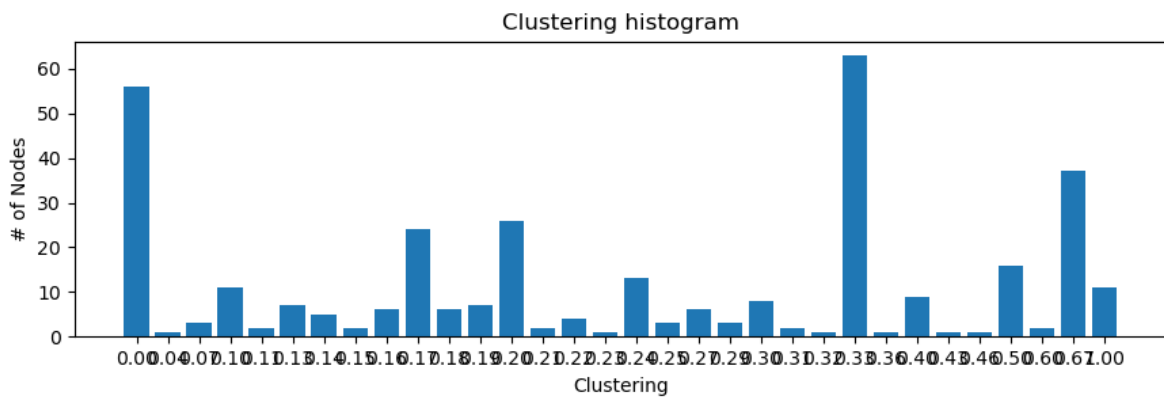
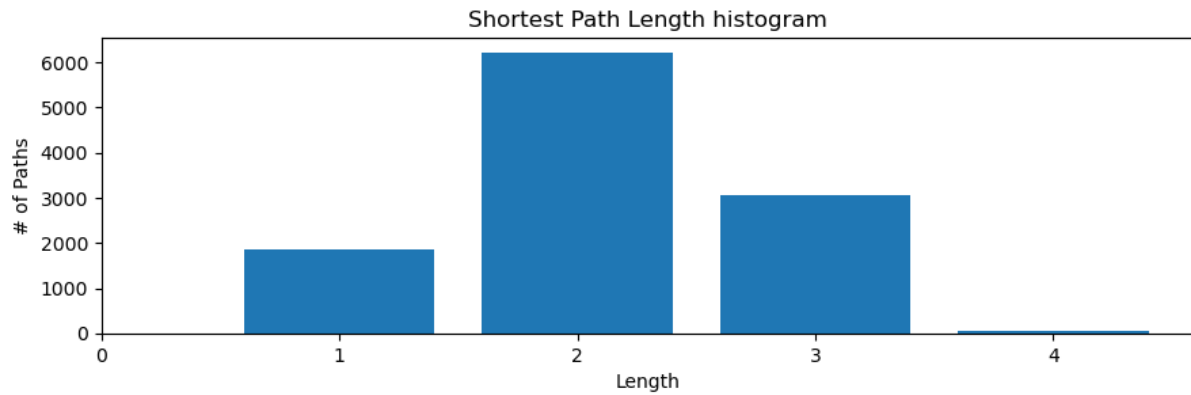
Average Diameter is 4.0

Average Clustering coefficient is 0.2289561279016795

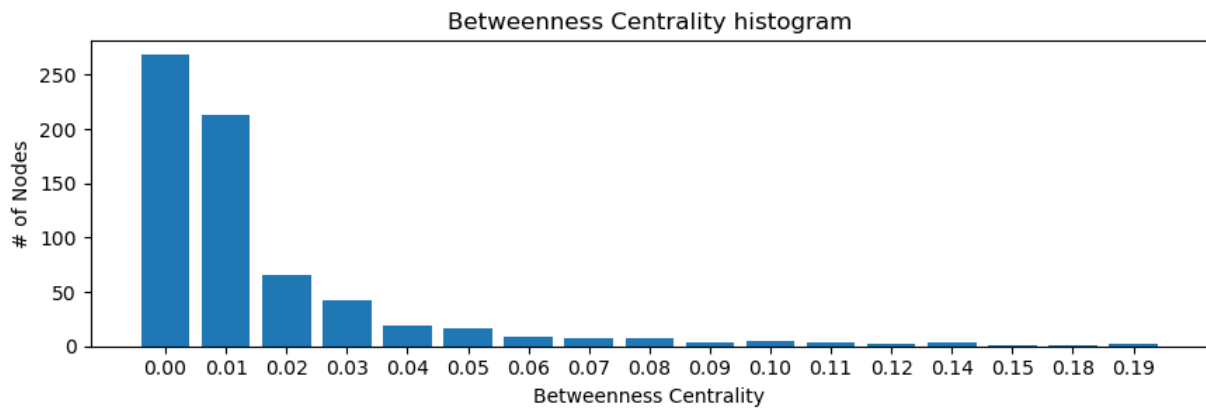
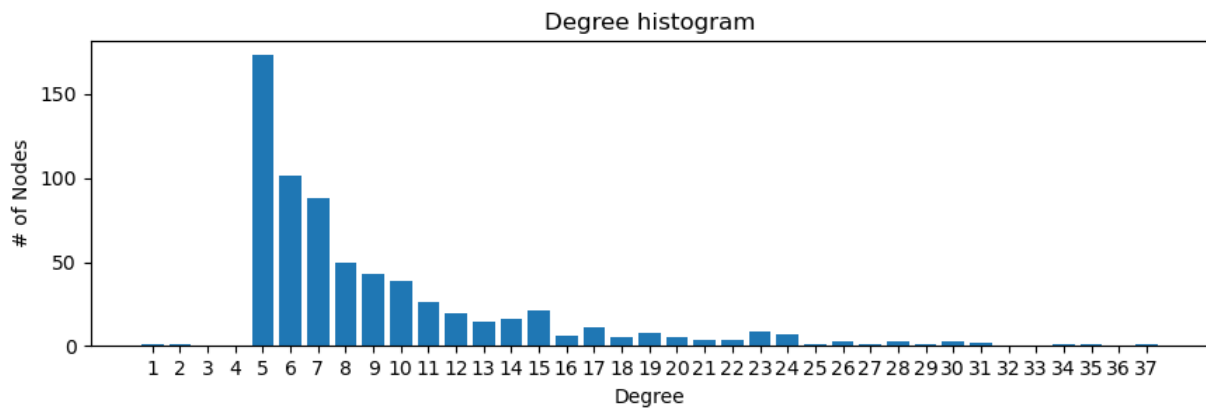
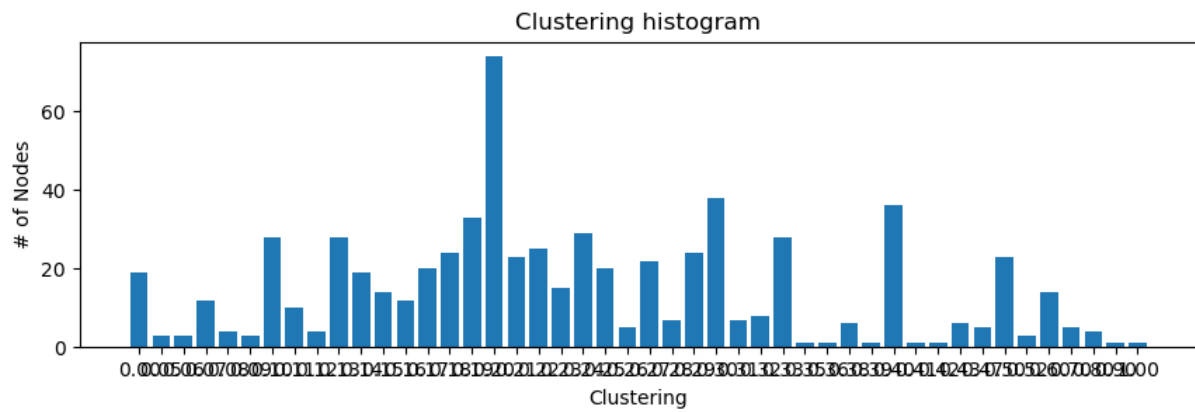
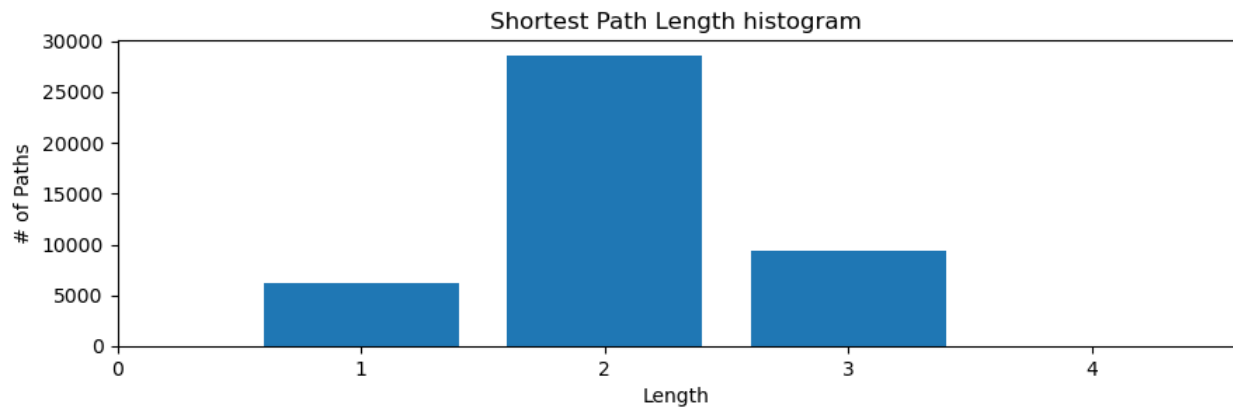
Average Number of connected components is 1.0

Histogram

- Karate Club



- Prison



- Dolphins

