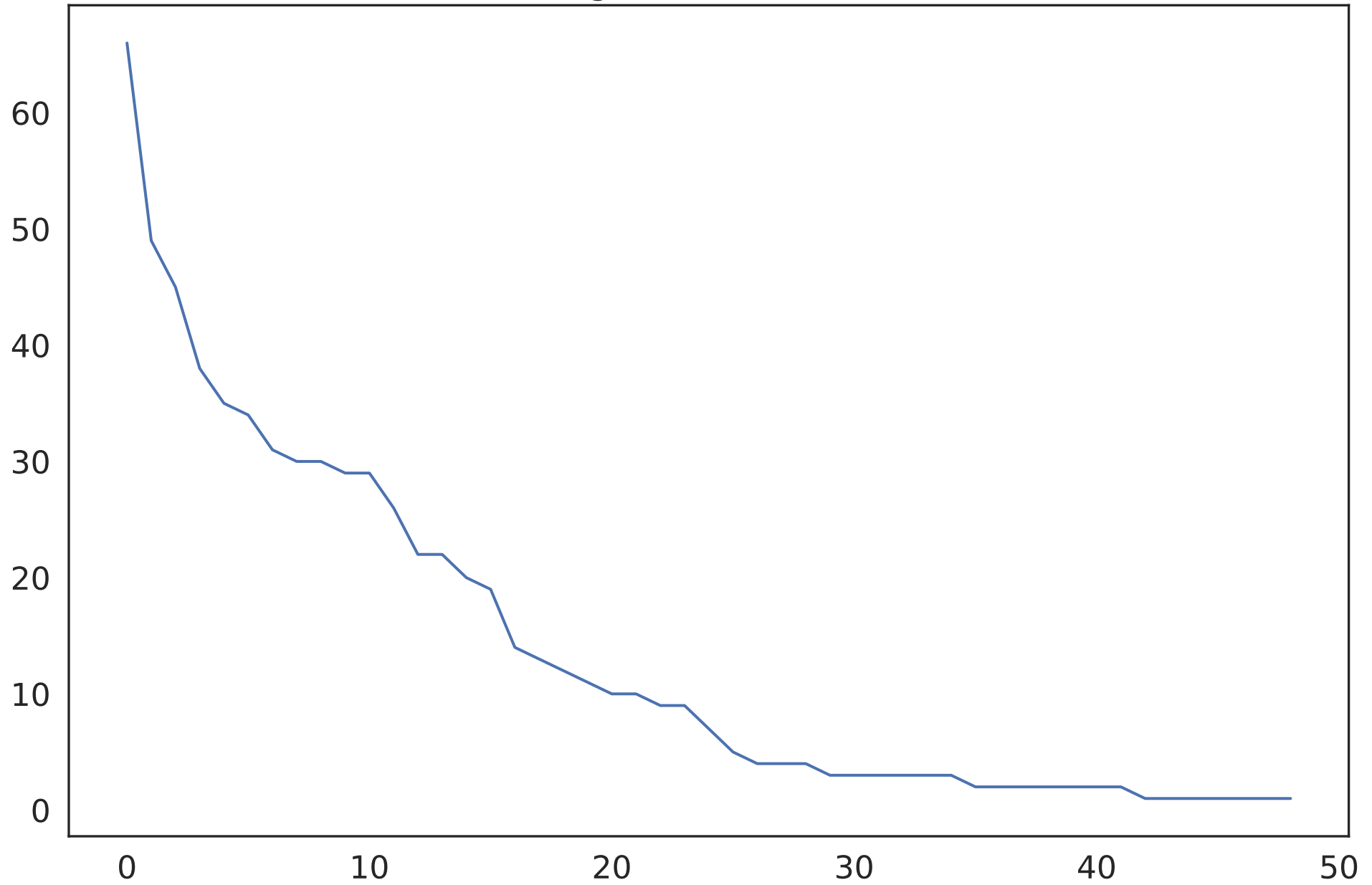
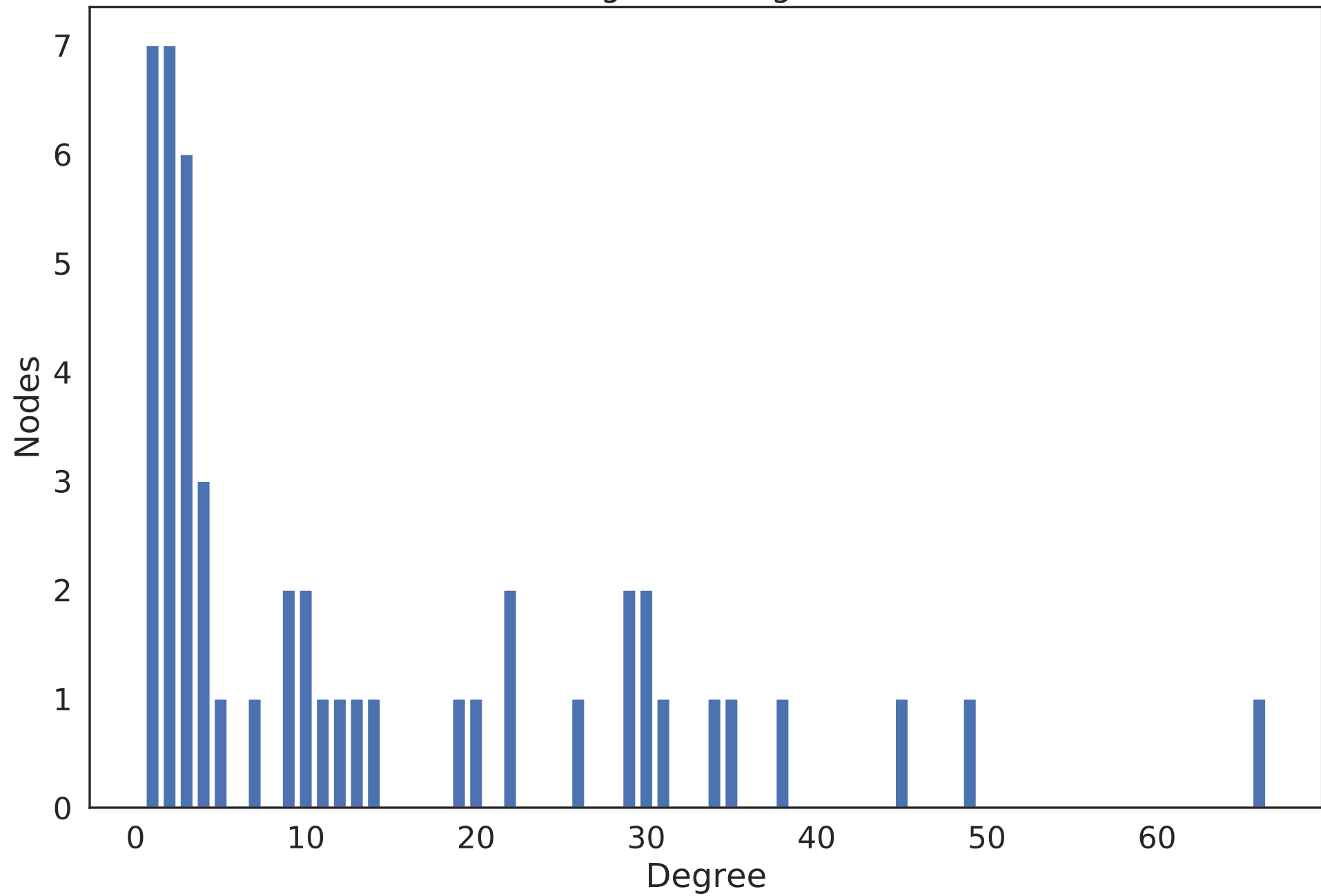


Degree distribution visualisations

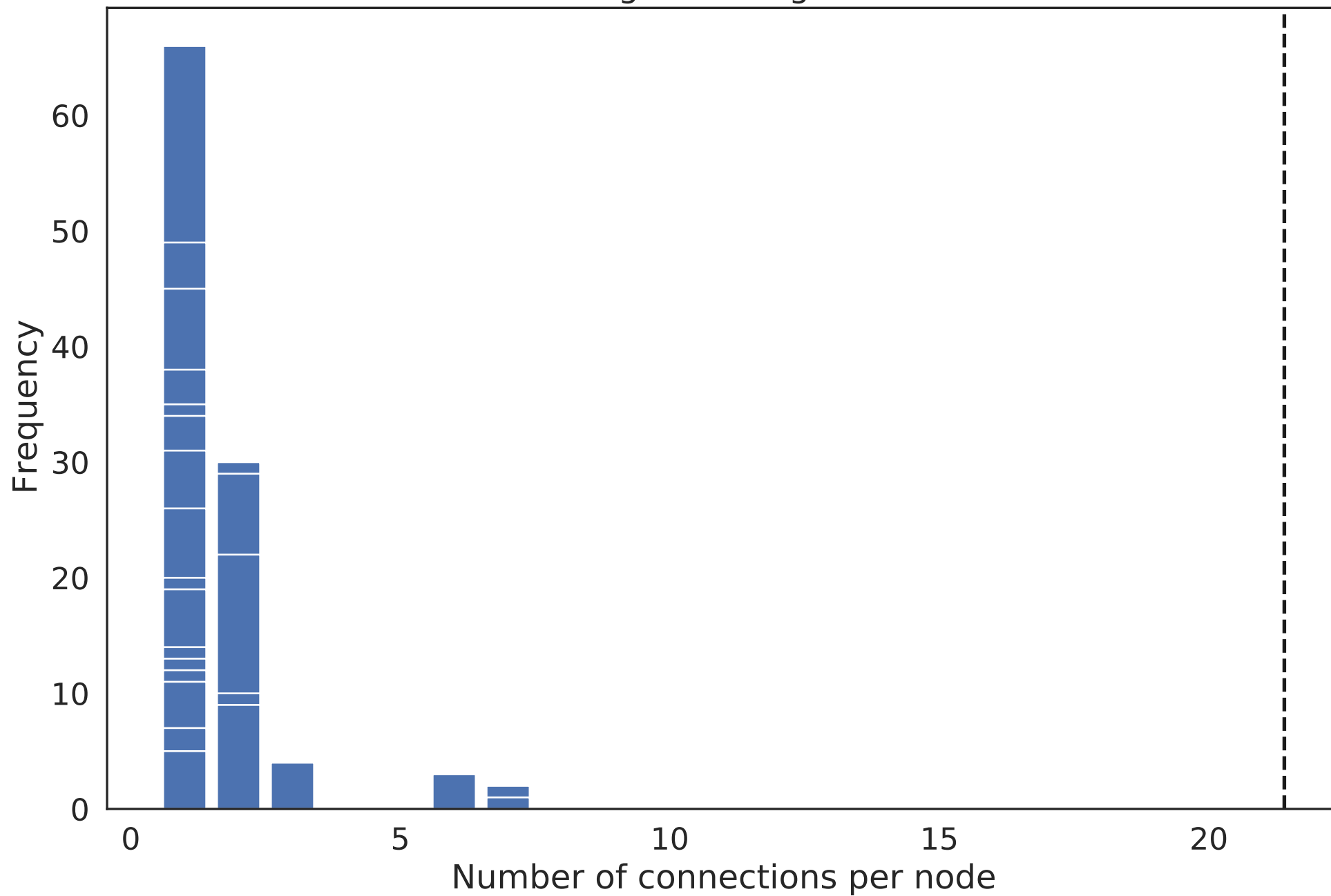
Degree Distribution



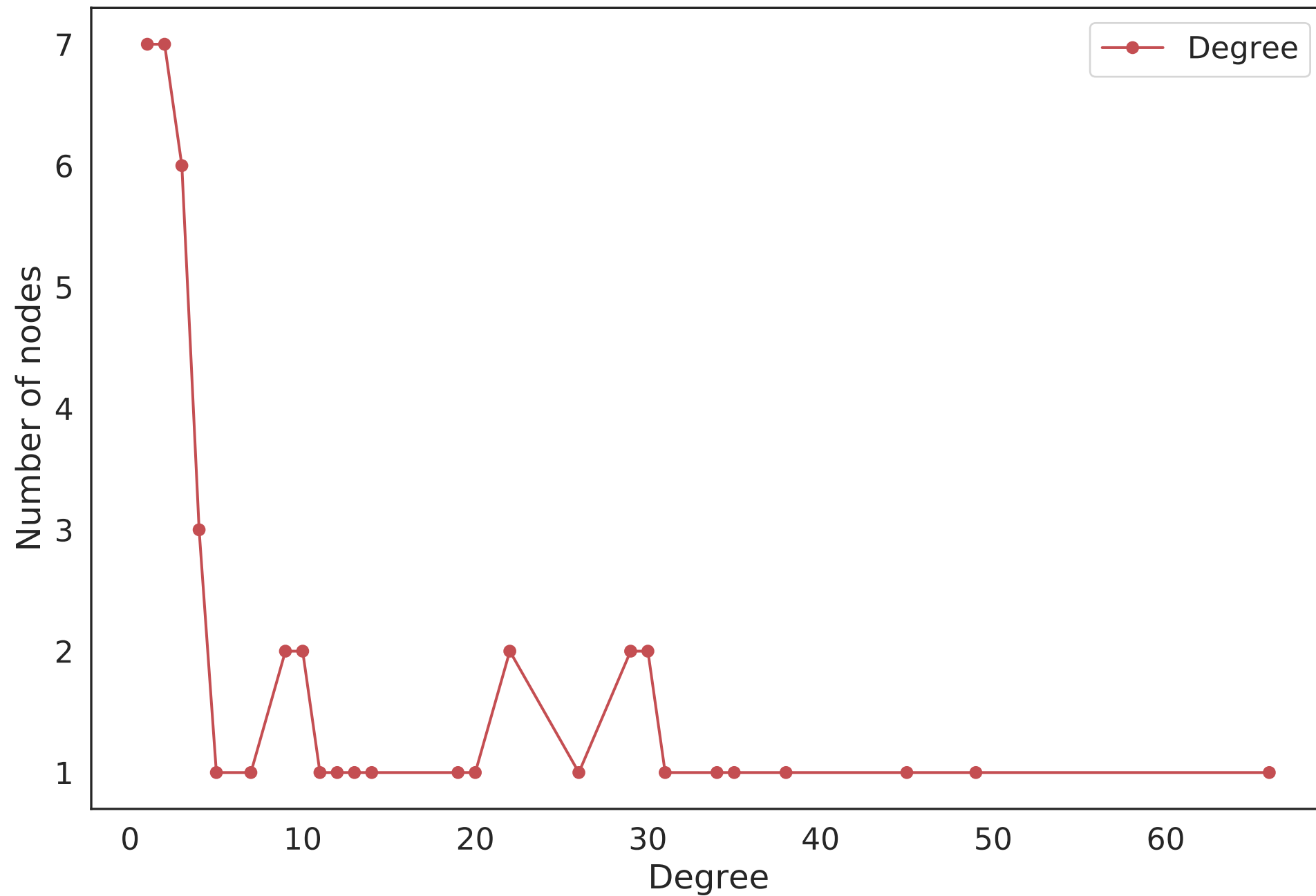
Degree Histogram



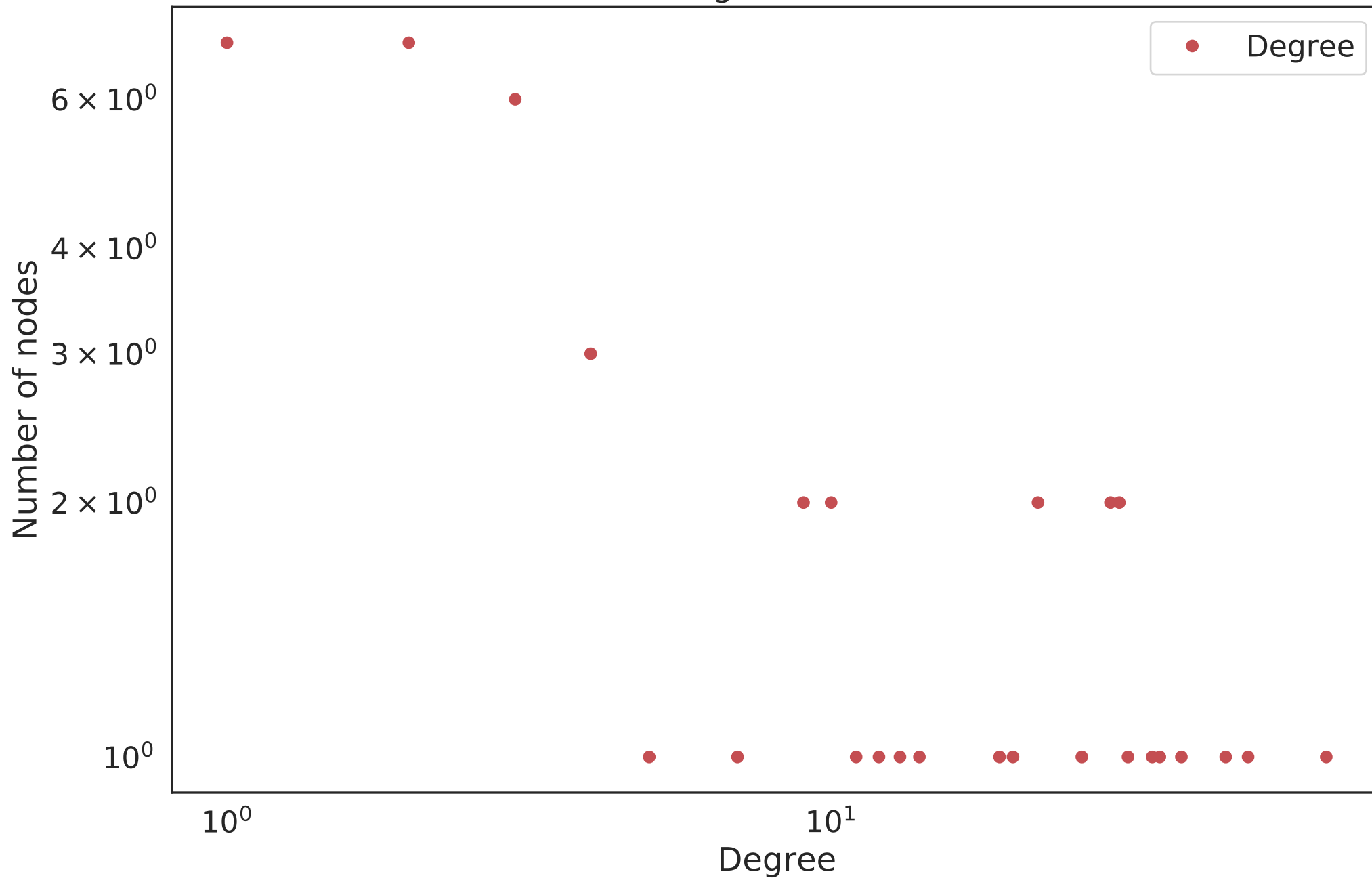
Degree Histogram



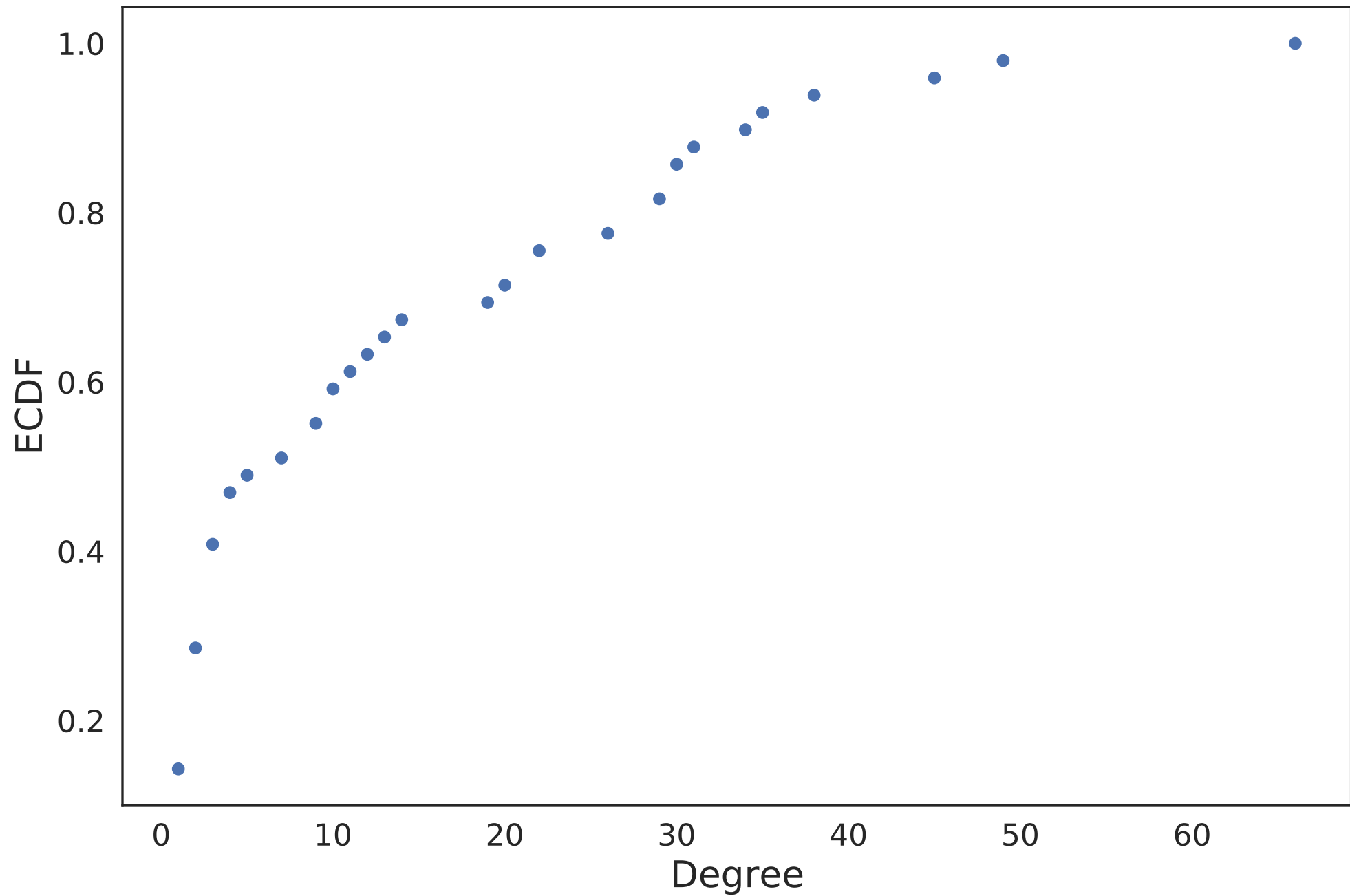
Network



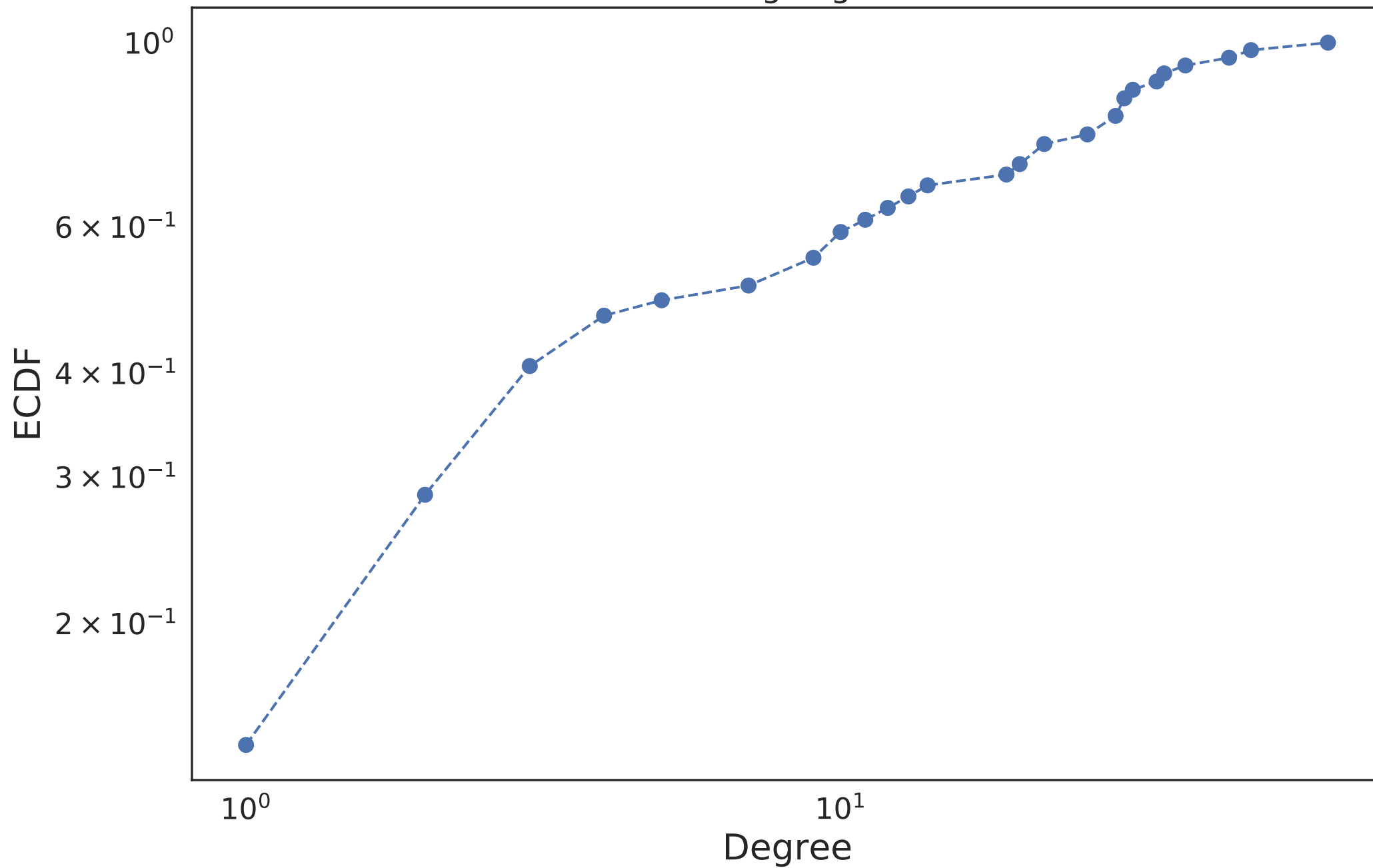
Log Network

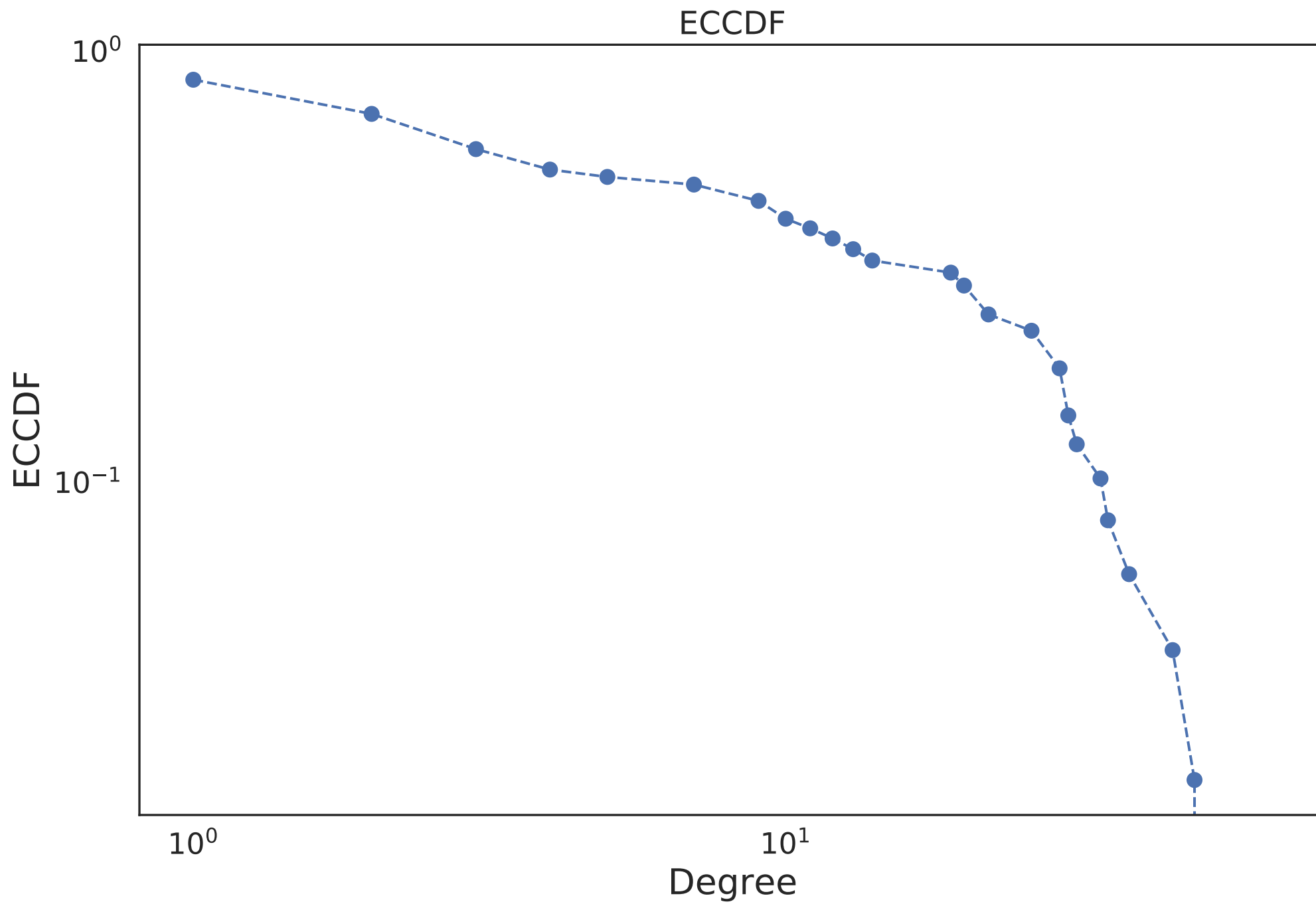


ECDF Linear Scale

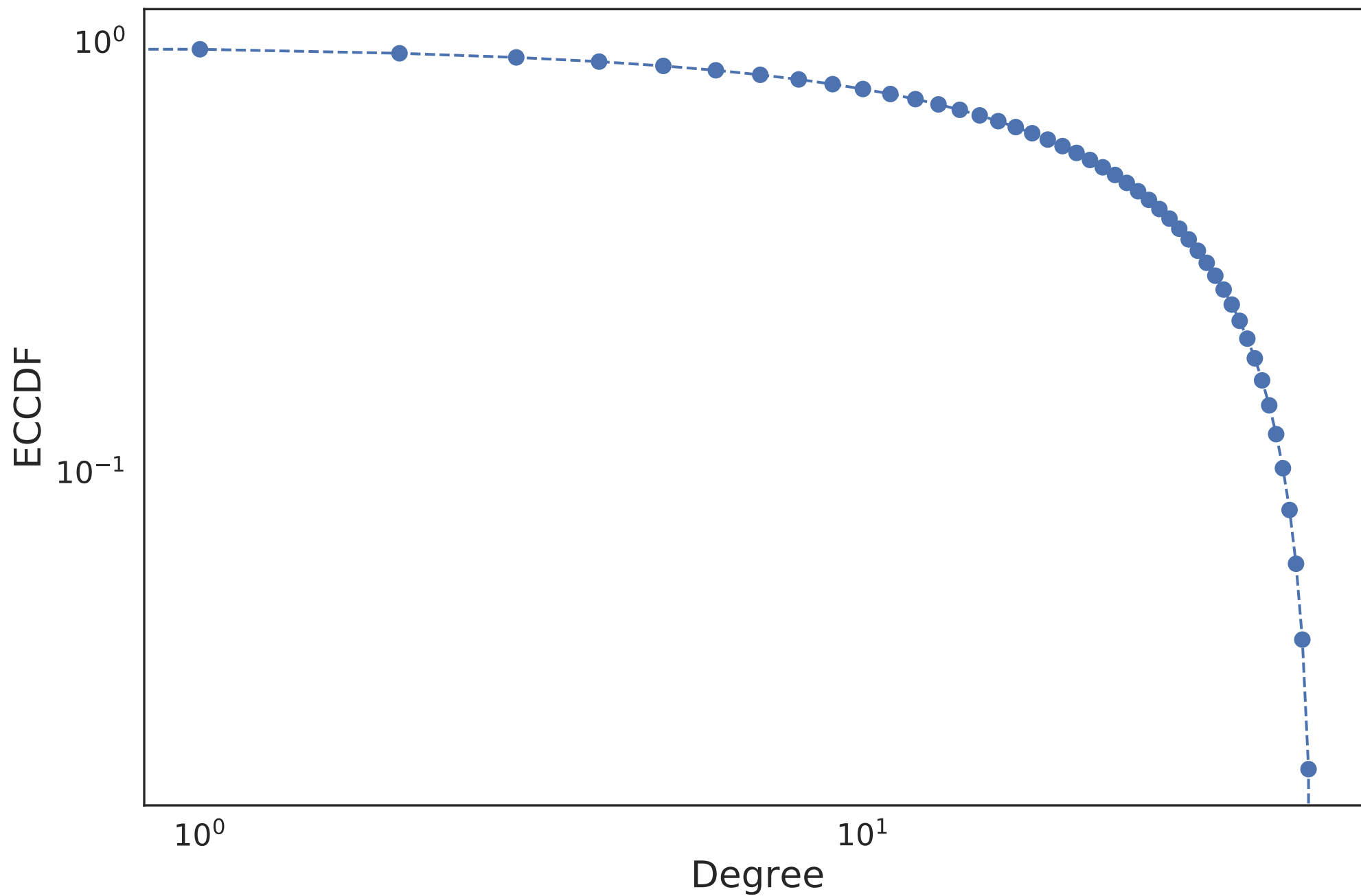


ECDF Log-Log Scale





ECCDF Scale Free Network



ECCDF comparison Network vs. Random Network vs. Scale Free Network

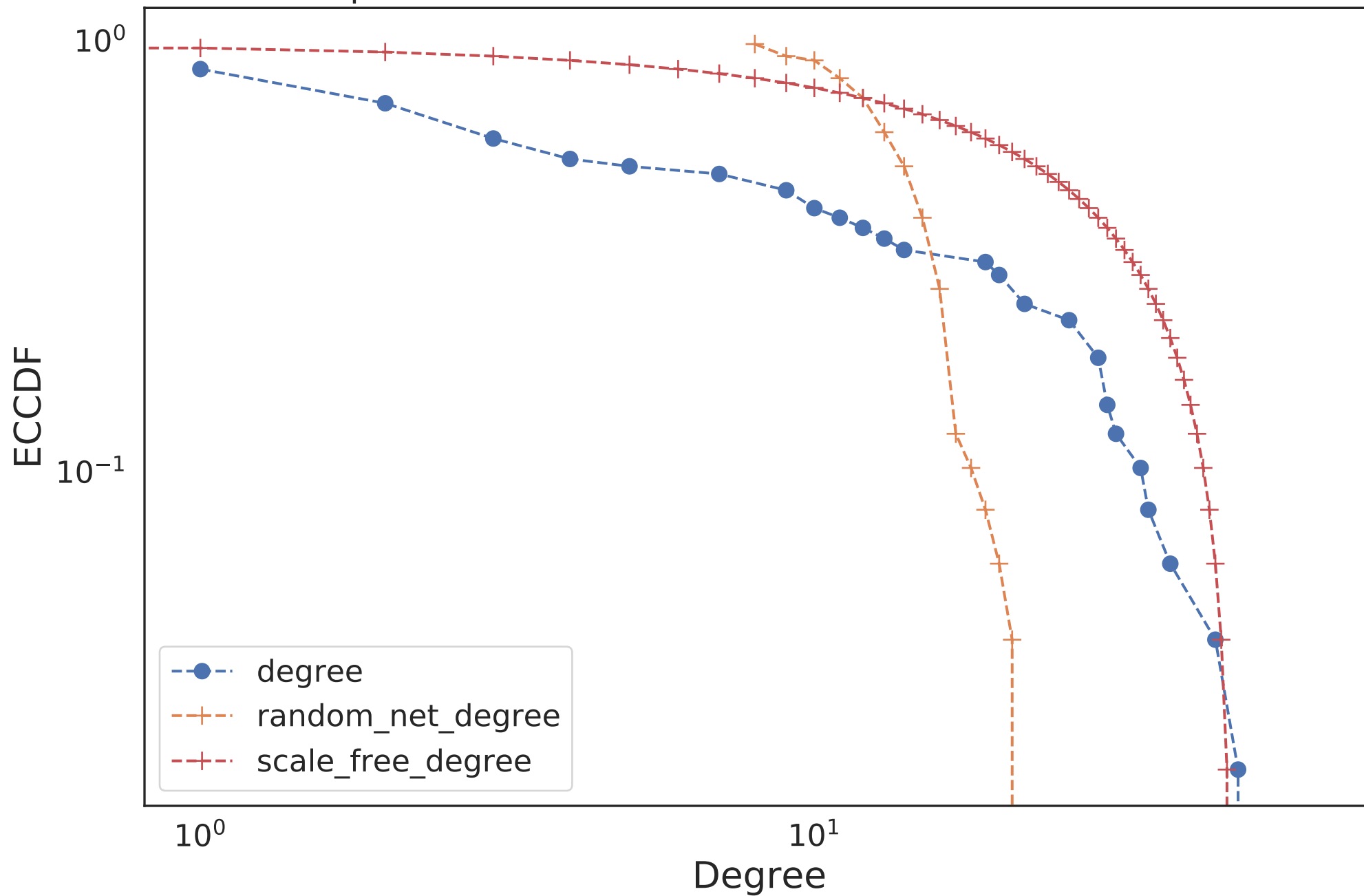
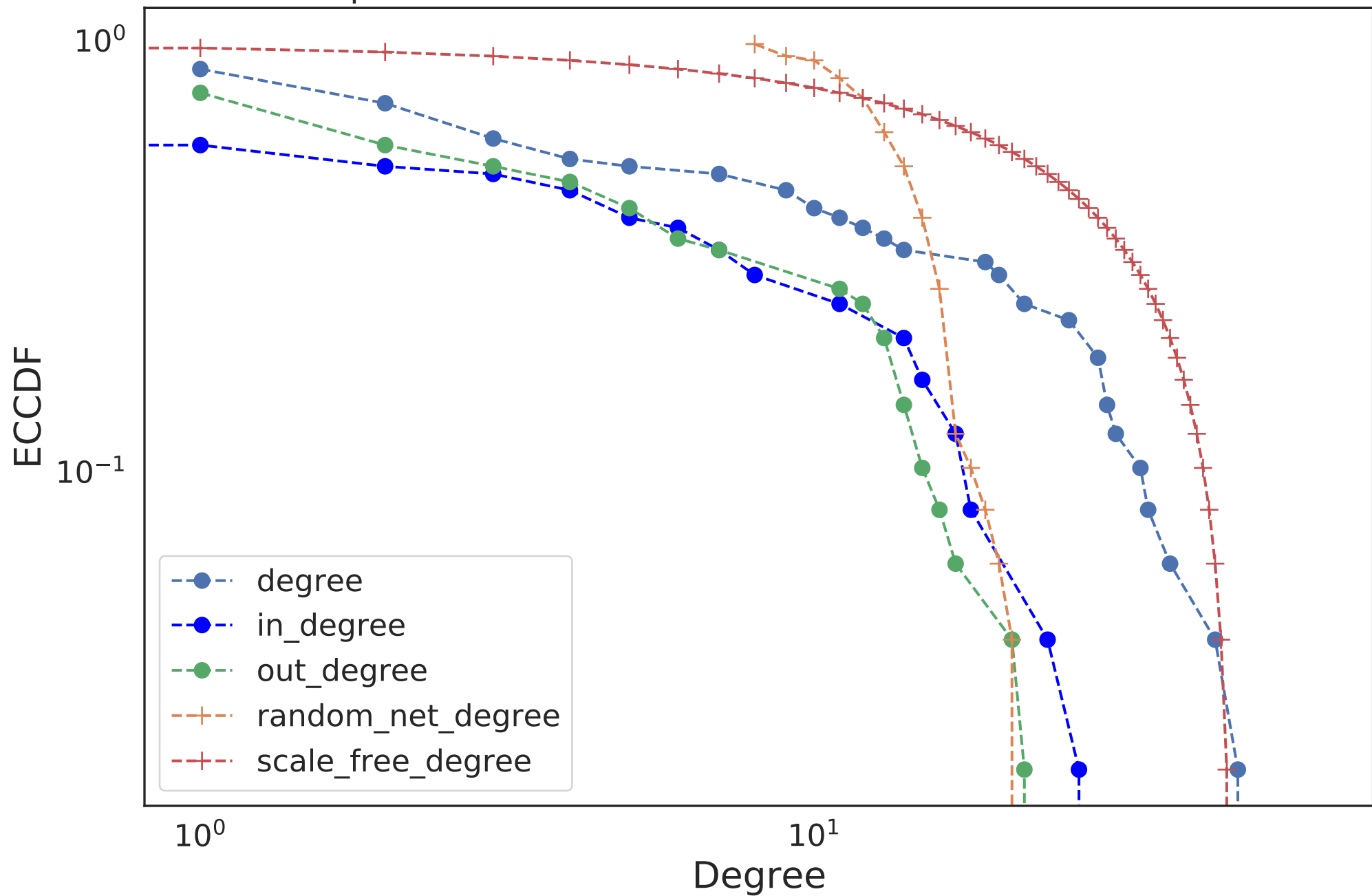


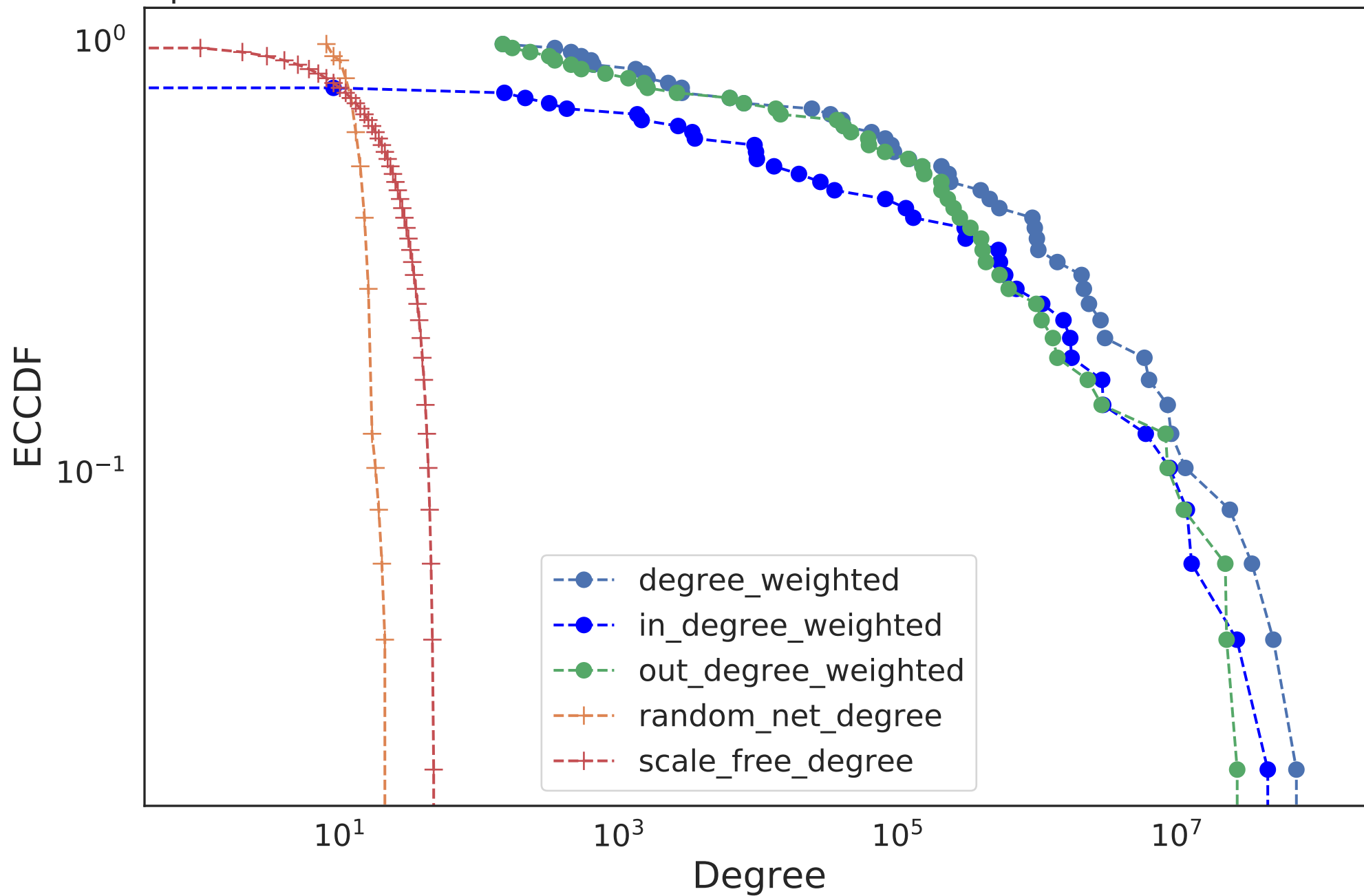
Figure 1 is a line graph showing the evolution of average degree, in-degree, and out-degree for a network over 100 iterations. The x-axis represents iterations from 0 to 100, and the y-axis represents the degree value from 0 to 10. Five data series are plotted:

- degree** (blue dashed line with circles): Starts at approximately 9.5 and decreases to about 1.5.
- in_degree** (blue dashed line with circles): Starts at approximately 8.5 and decreases to about 1.5.
- out_degree** (green dashed line with circles): Starts at approximately 8.5 and decreases to about 1.5.
- random_net_degree** (orange dashed line with plus signs): Starts at approximately 9.5 and decreases to about 1.5.
- scale_free_degree** (red dashed line with plus signs): Starts at approximately 9.5 and decreases to about 1.5.

The graph illustrates that the average degree of the network decreases over time, while the in-degree and out-degree remain relatively stable. The random_net_degree and scale_free_degree show a sharp decline after iteration 40, indicating a transition to a different network state.



ECCDF comparison Network vs. Random Network vs. Scale Free Network - WEIGHTED Degrees



Infos

Number of nodes: 49
Number of links: 357
Random Net Standard deviation: 3.3502969713024497
Random Net Mean: 14.571428571428571
Random Net Median: 15.0
Random Net Min: 8
Random Net Max: 23