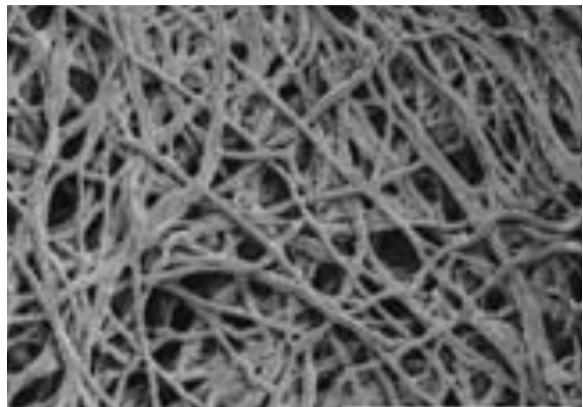
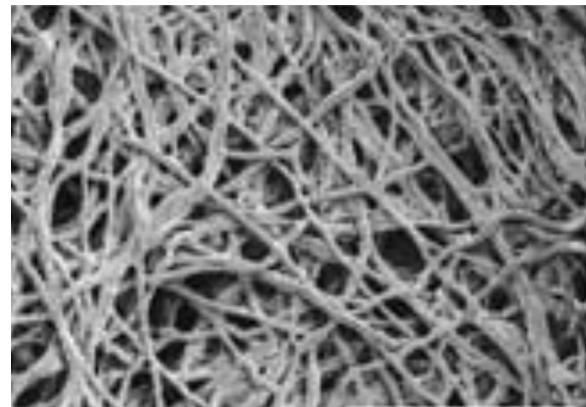


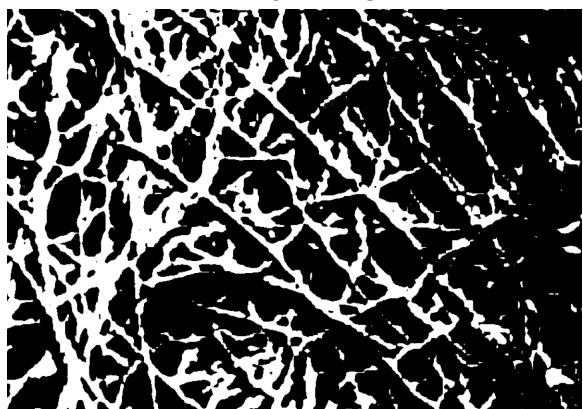
Original Image



Processed Image



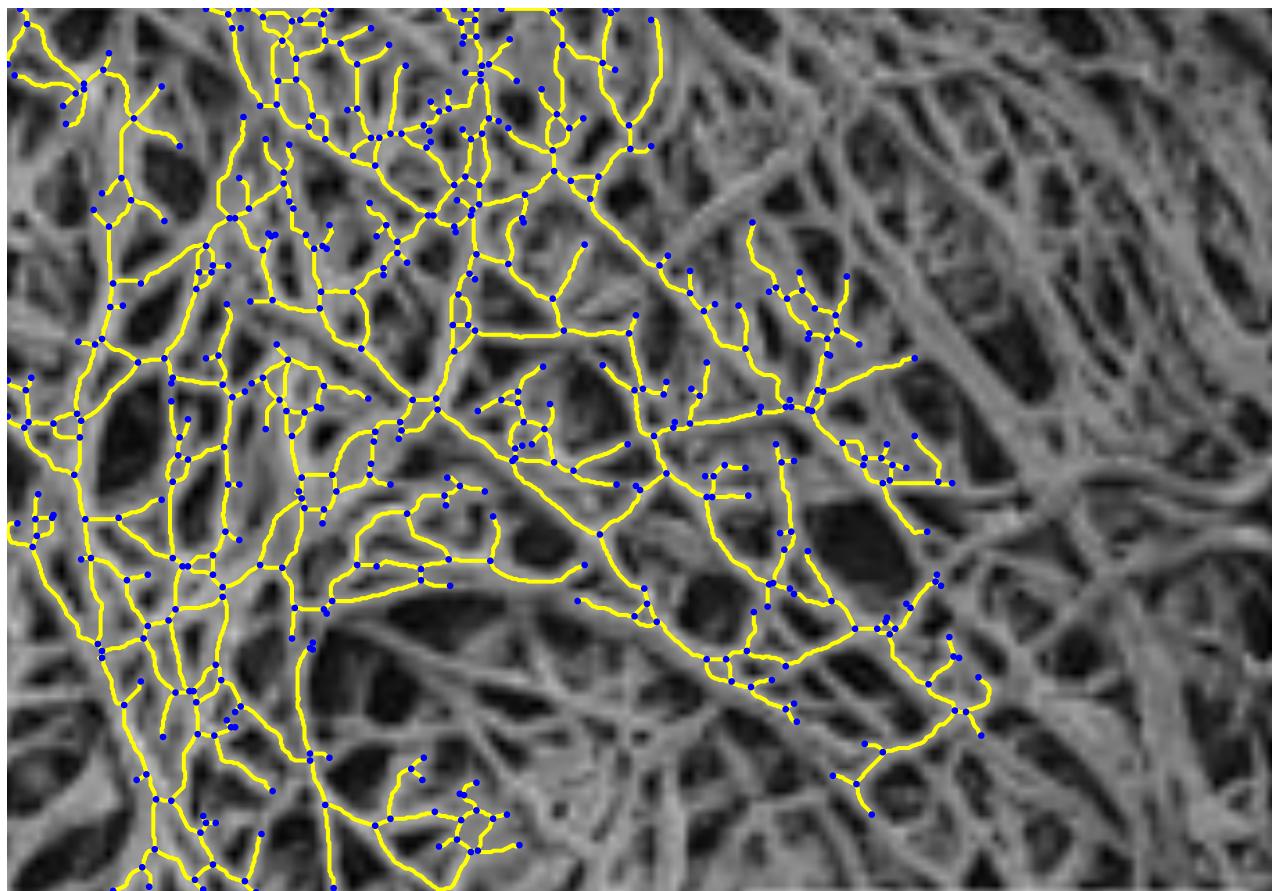
Binary Image



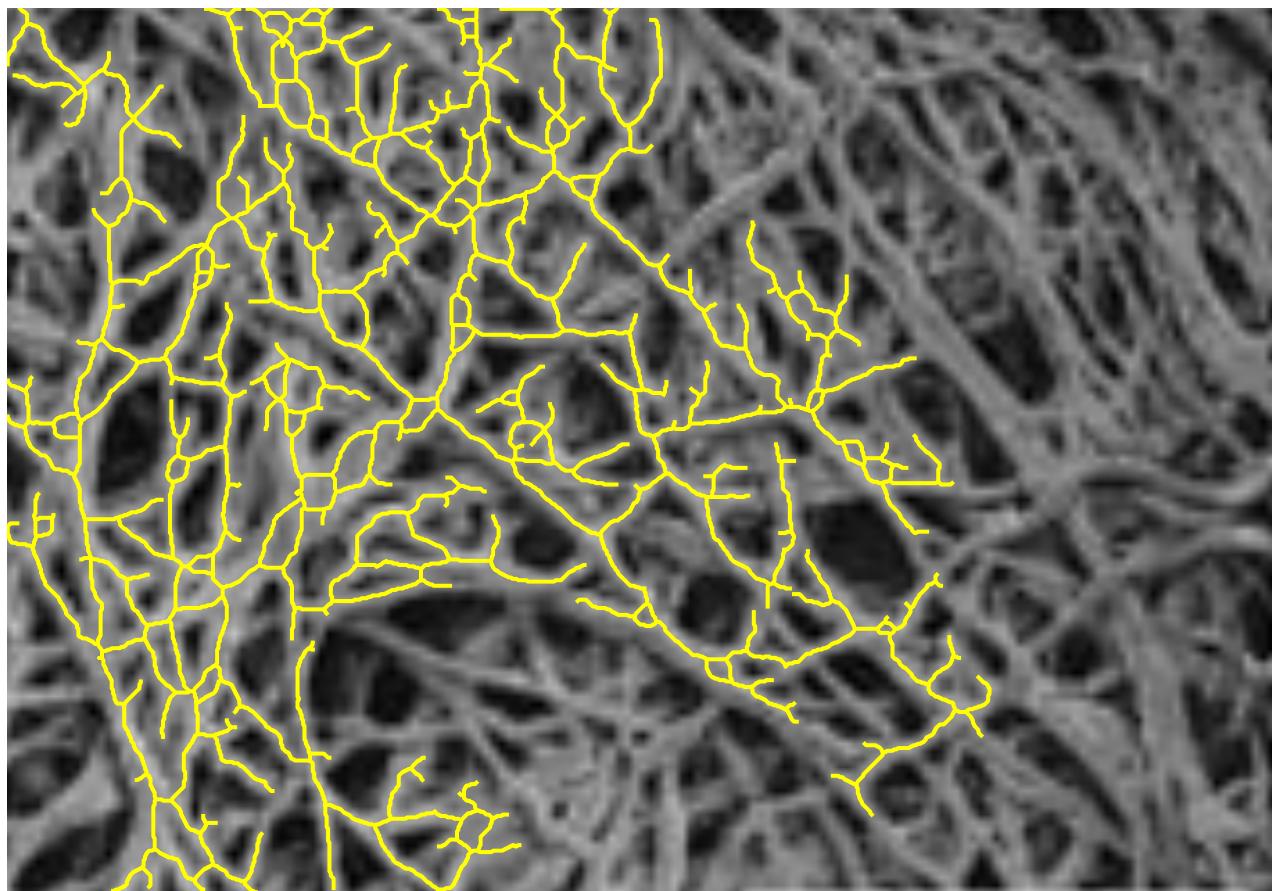
Histogram of Processed Image



Graph Node Plot

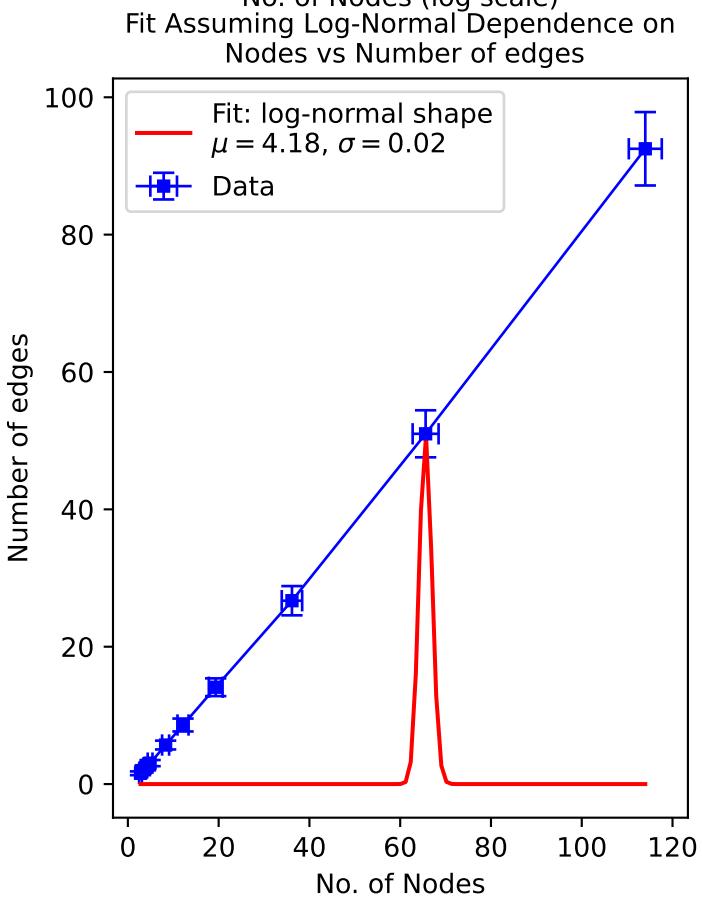
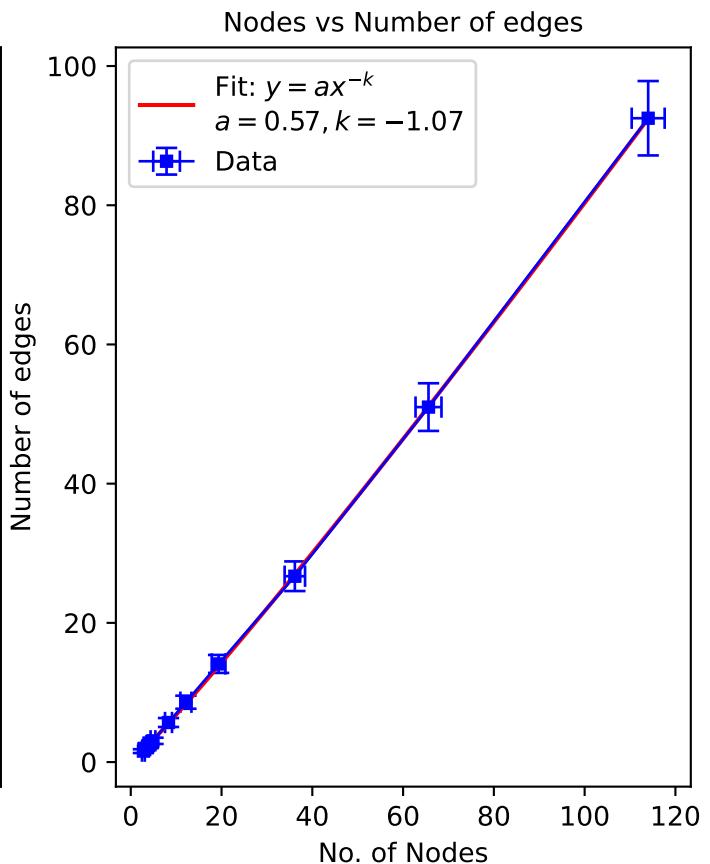
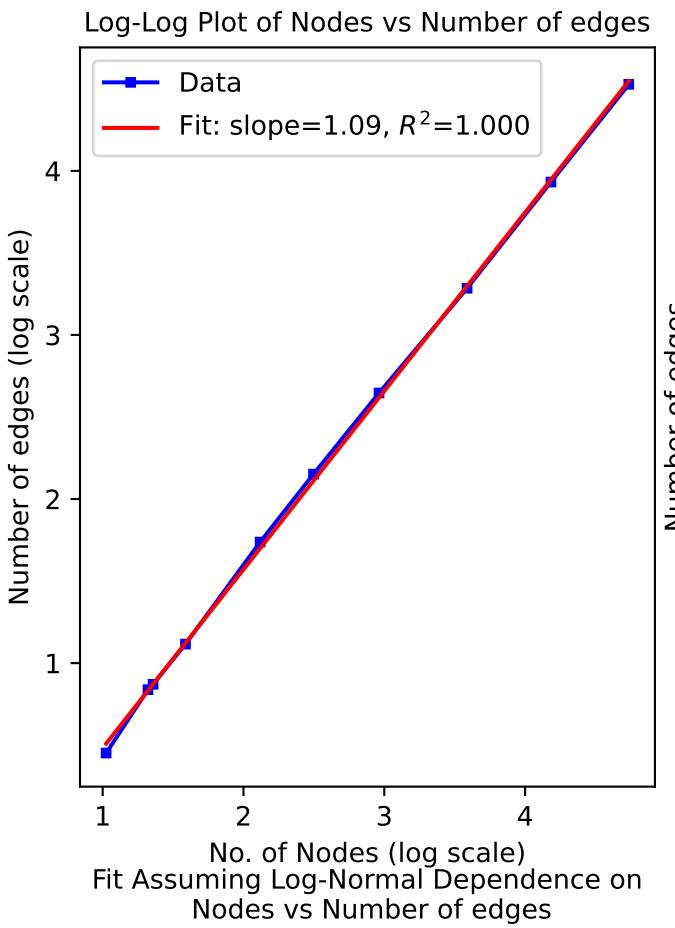


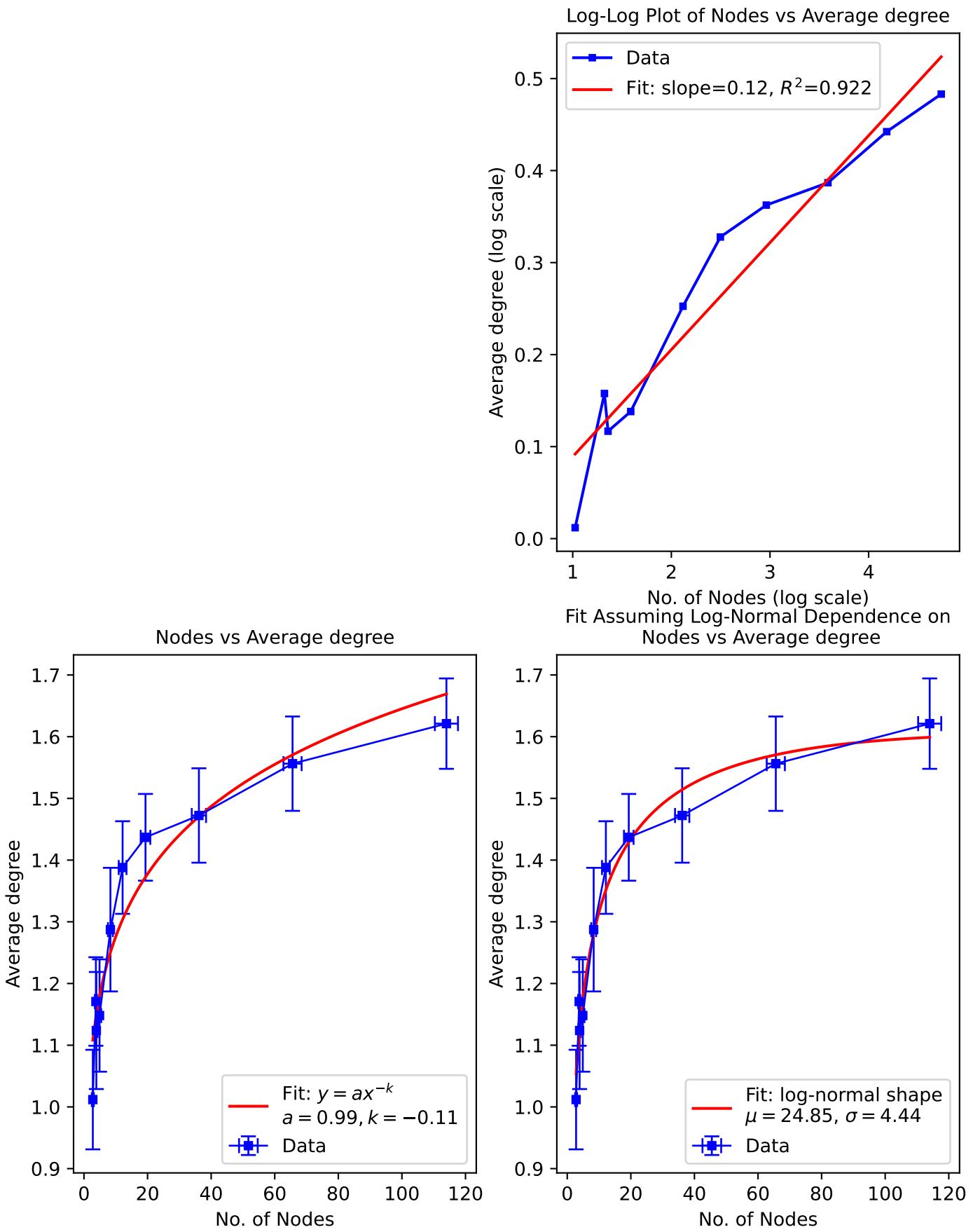
Graph Edge Plot

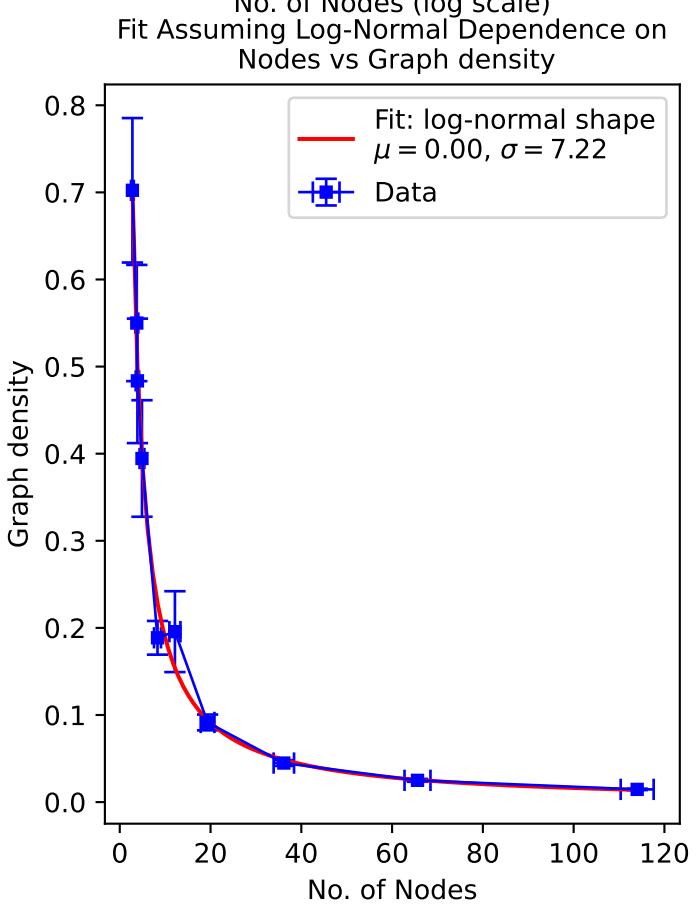
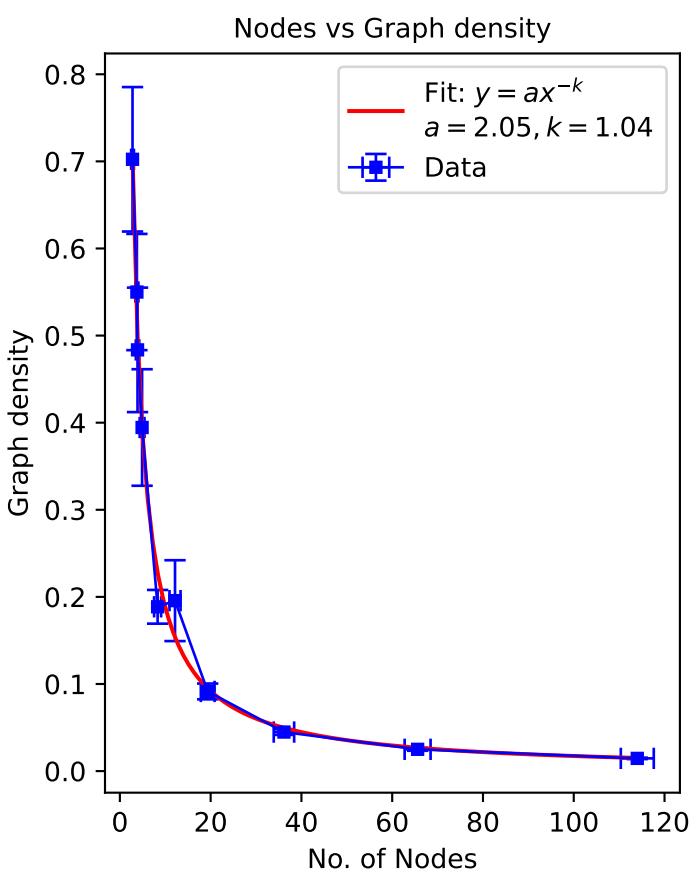
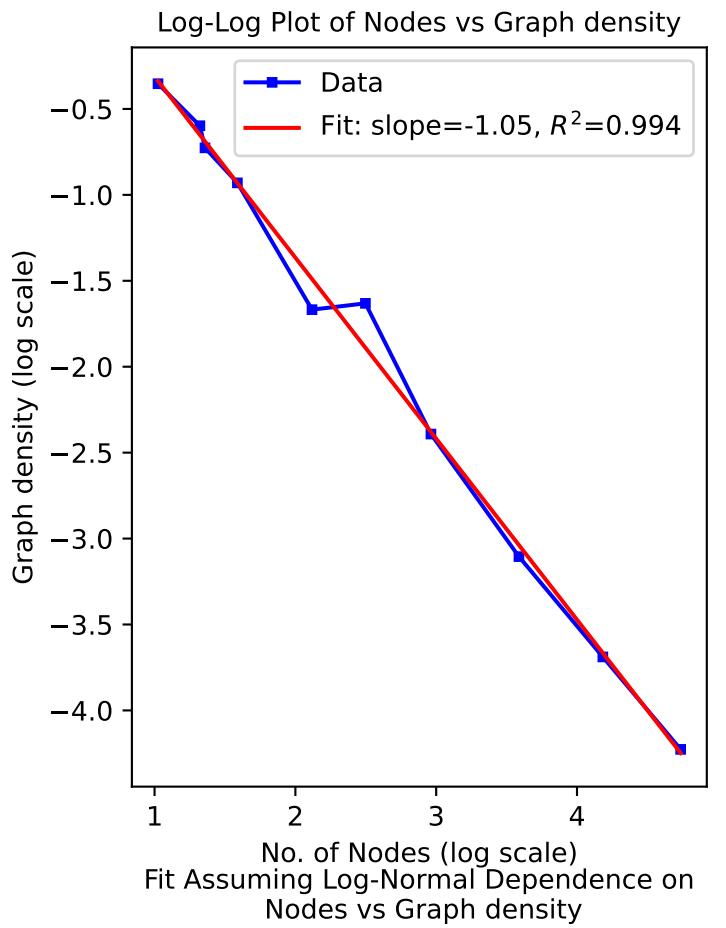


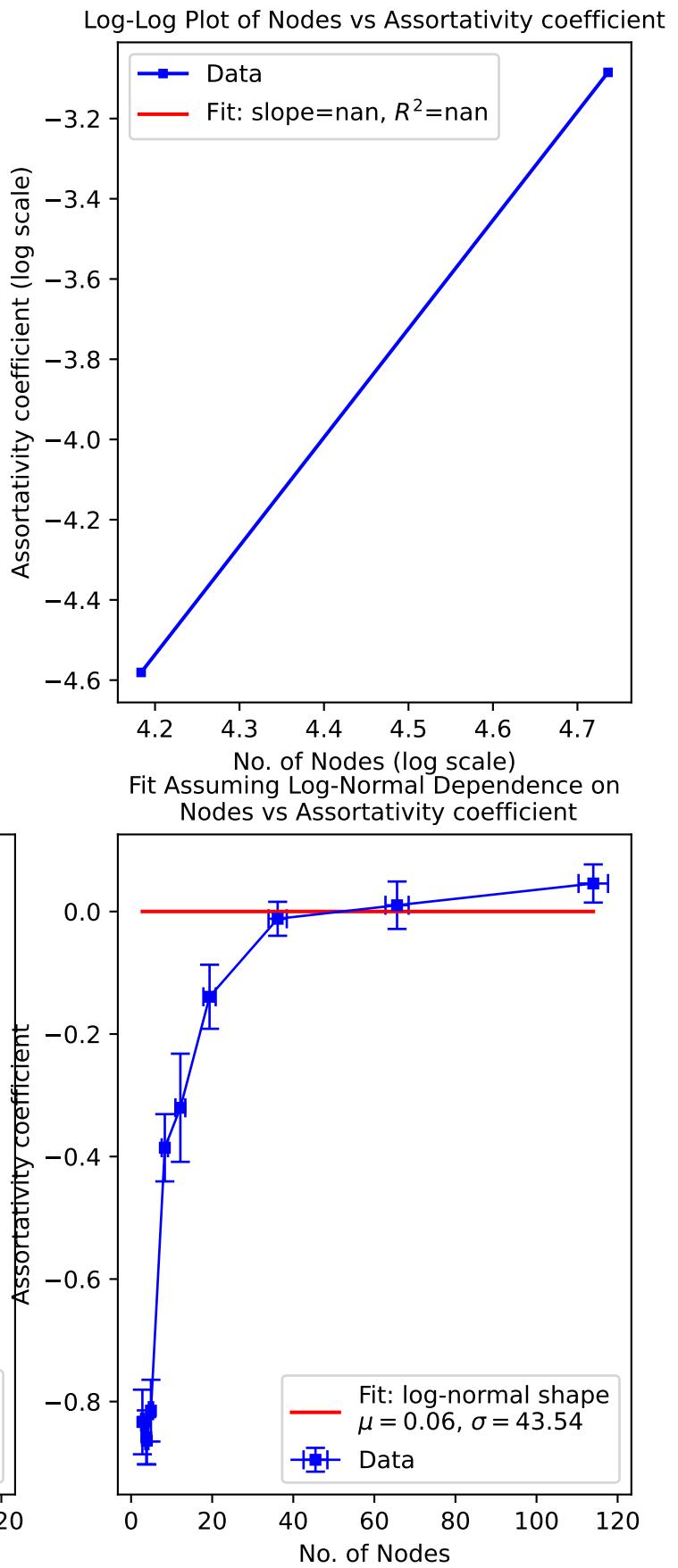
Unweighted GT parameters

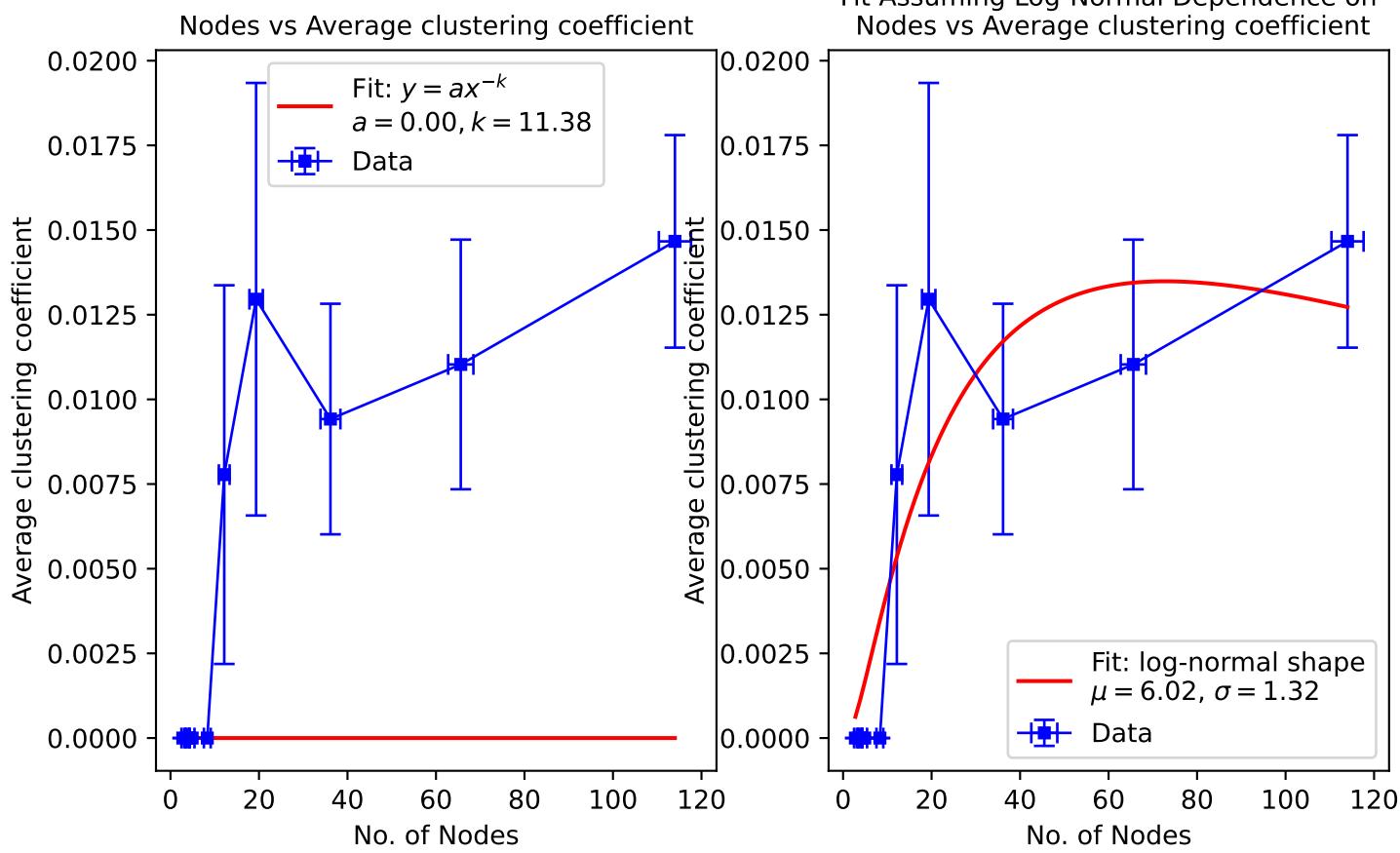
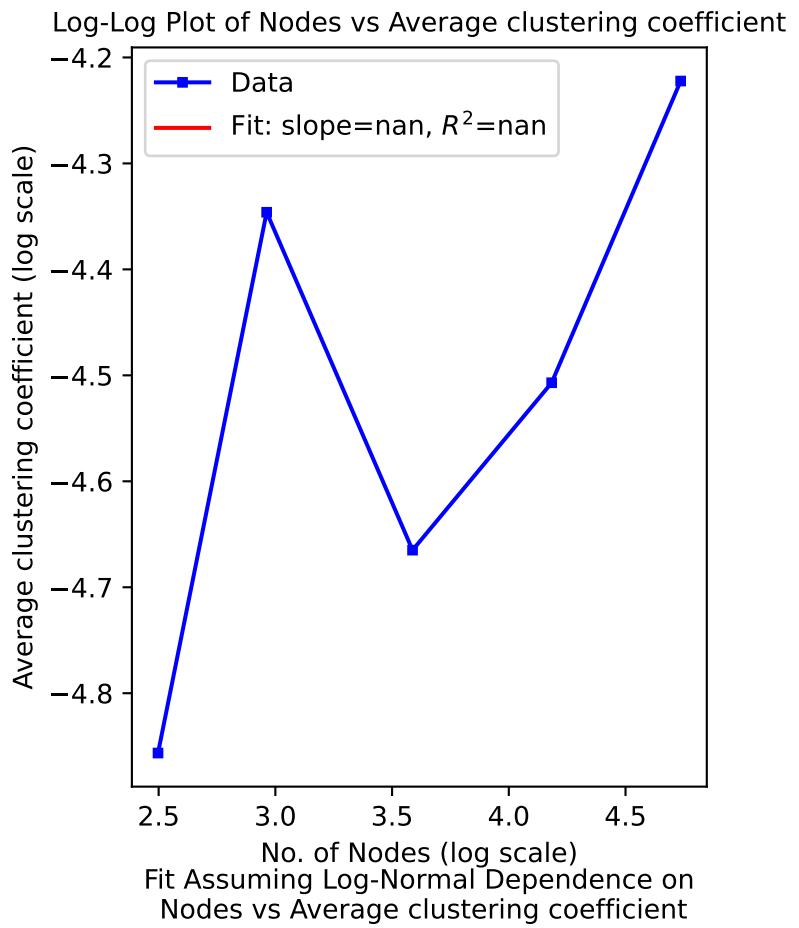
Number of nodes	496.0
Number of edges	563.0
Average edge angle (degrees)	169.348
Median edge angle (degrees)	88.091
Average degree	2.27016
Network diameter	40.0
Graph density	0.00459
Assortativity coefficient	-0.14739
Average clustering coefficient	0.03058
Average betweenness centrality	0.03575
Average eigenvector centrality	0.00766
Average closeness centrality	0.05536



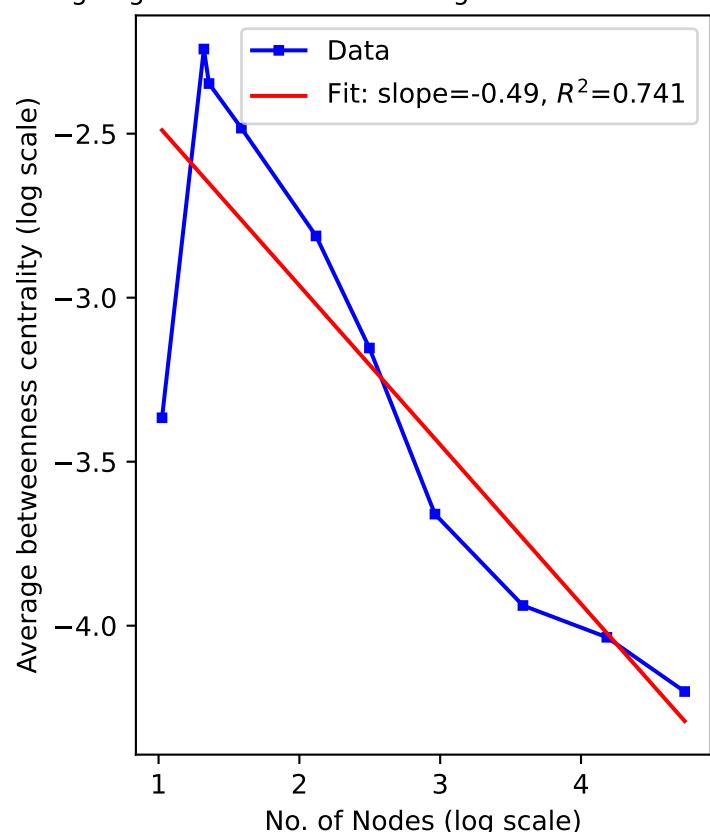




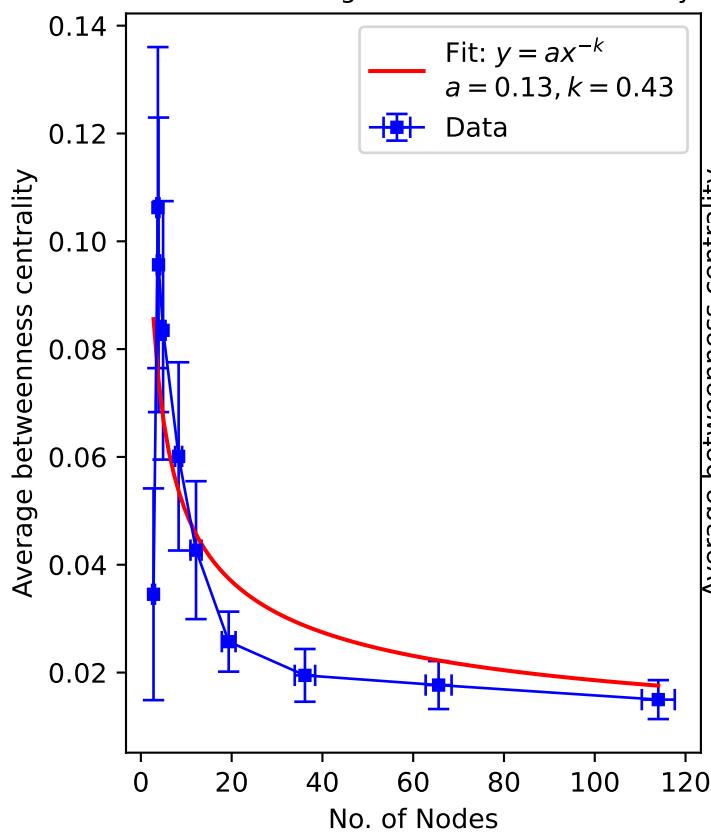




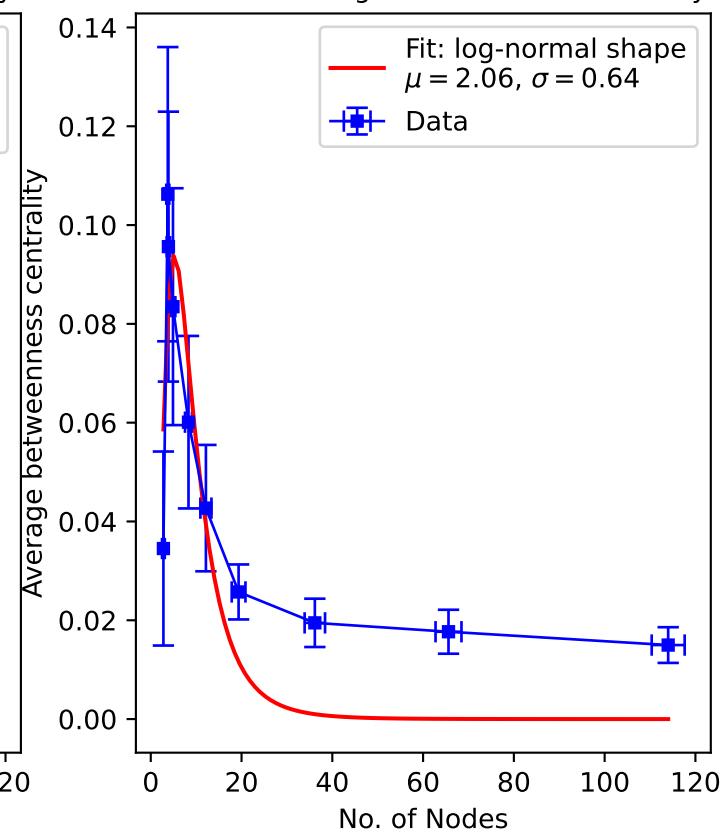
Log-Log Plot of Nodes vs Average betweenness centrality

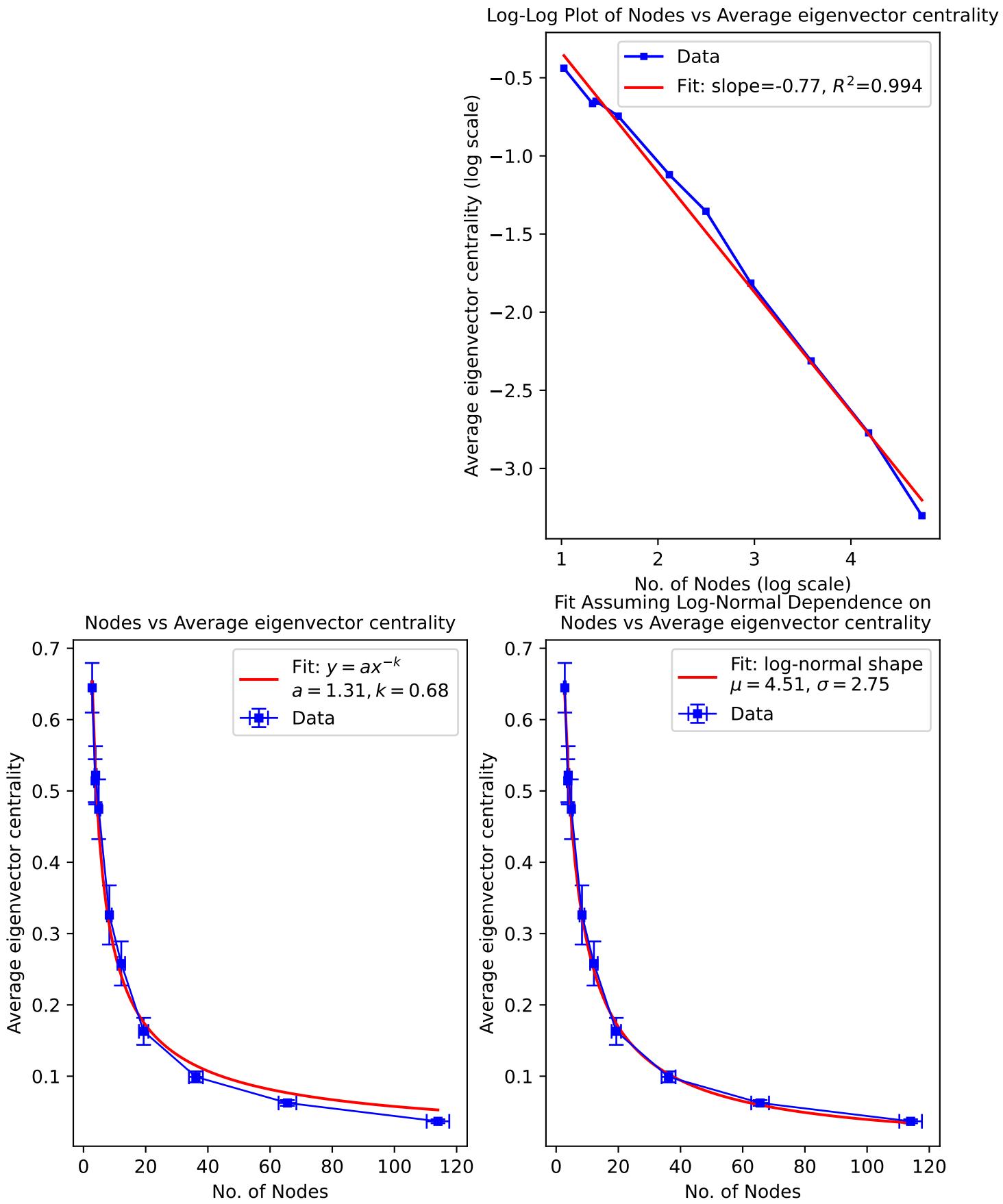


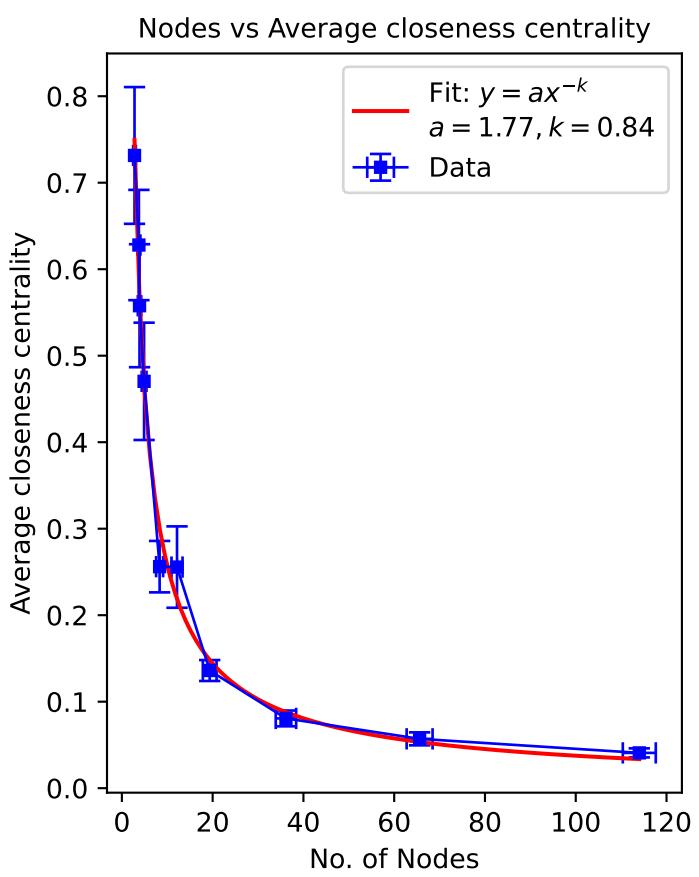
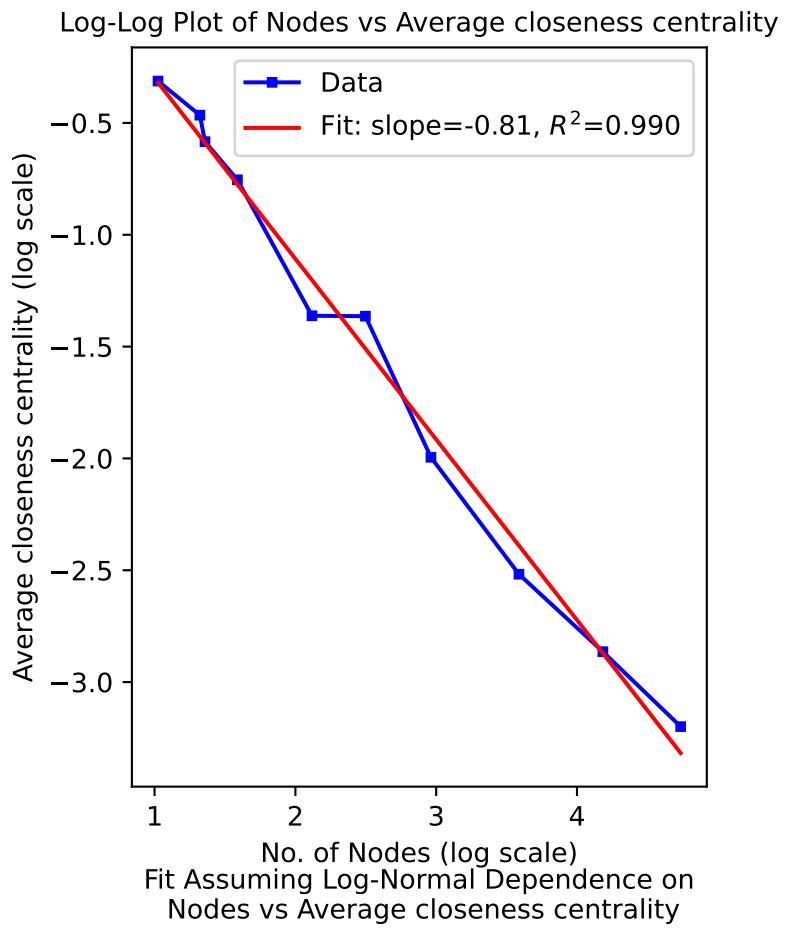
Nodes vs Average betweenness centrality



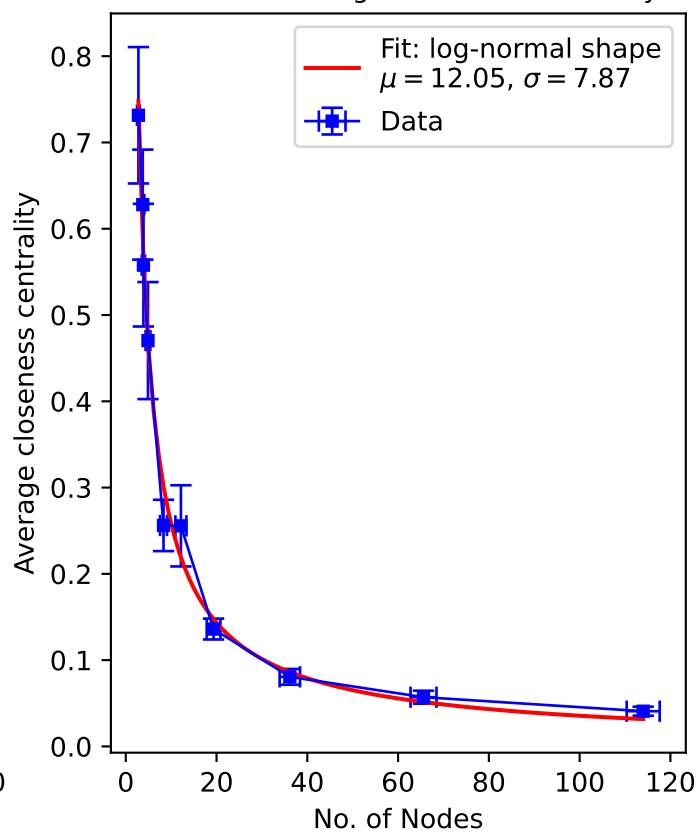
Fit Assuming Log-Normal Dependence on
Nodes vs Average betweenness centrality

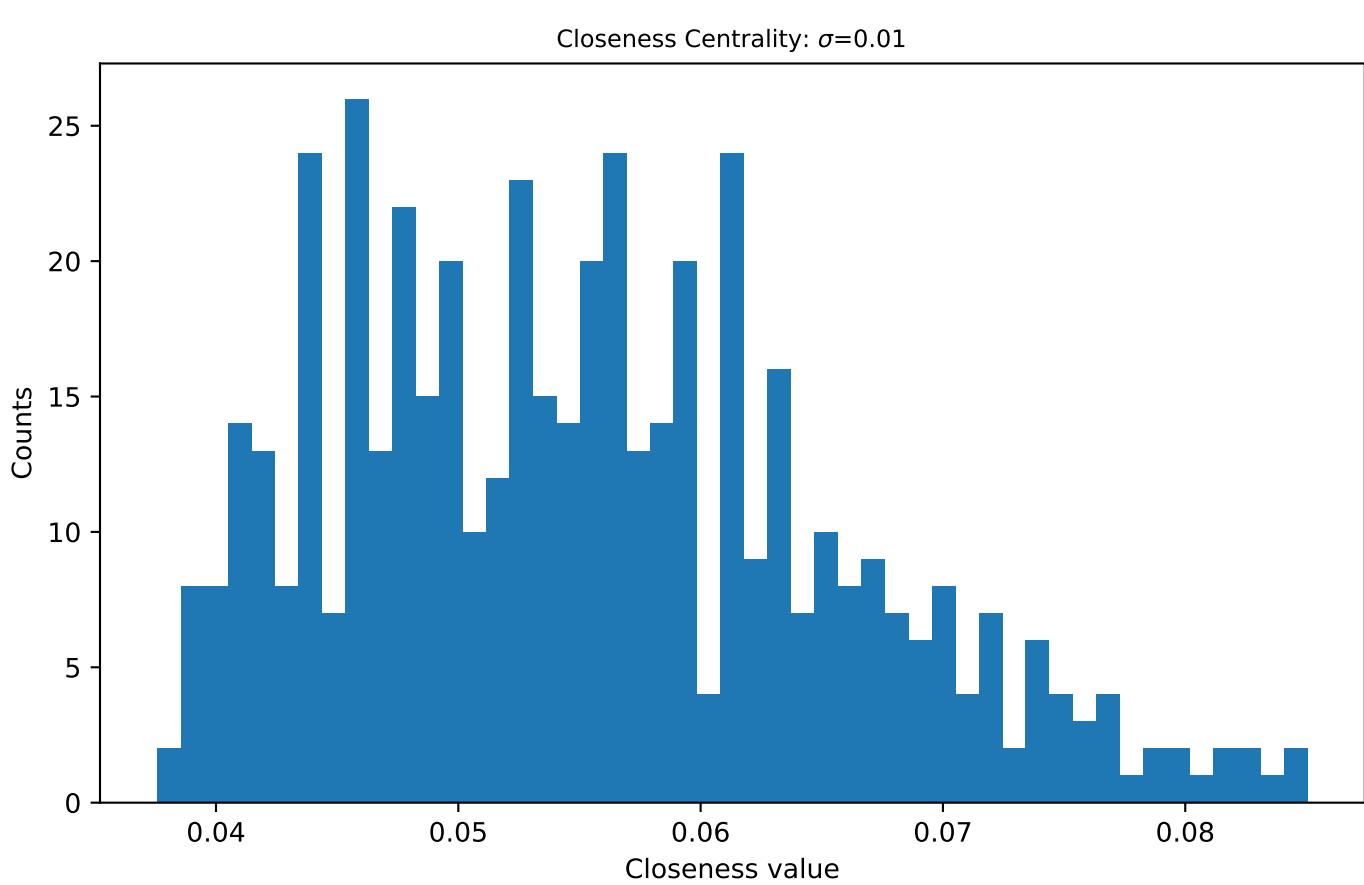
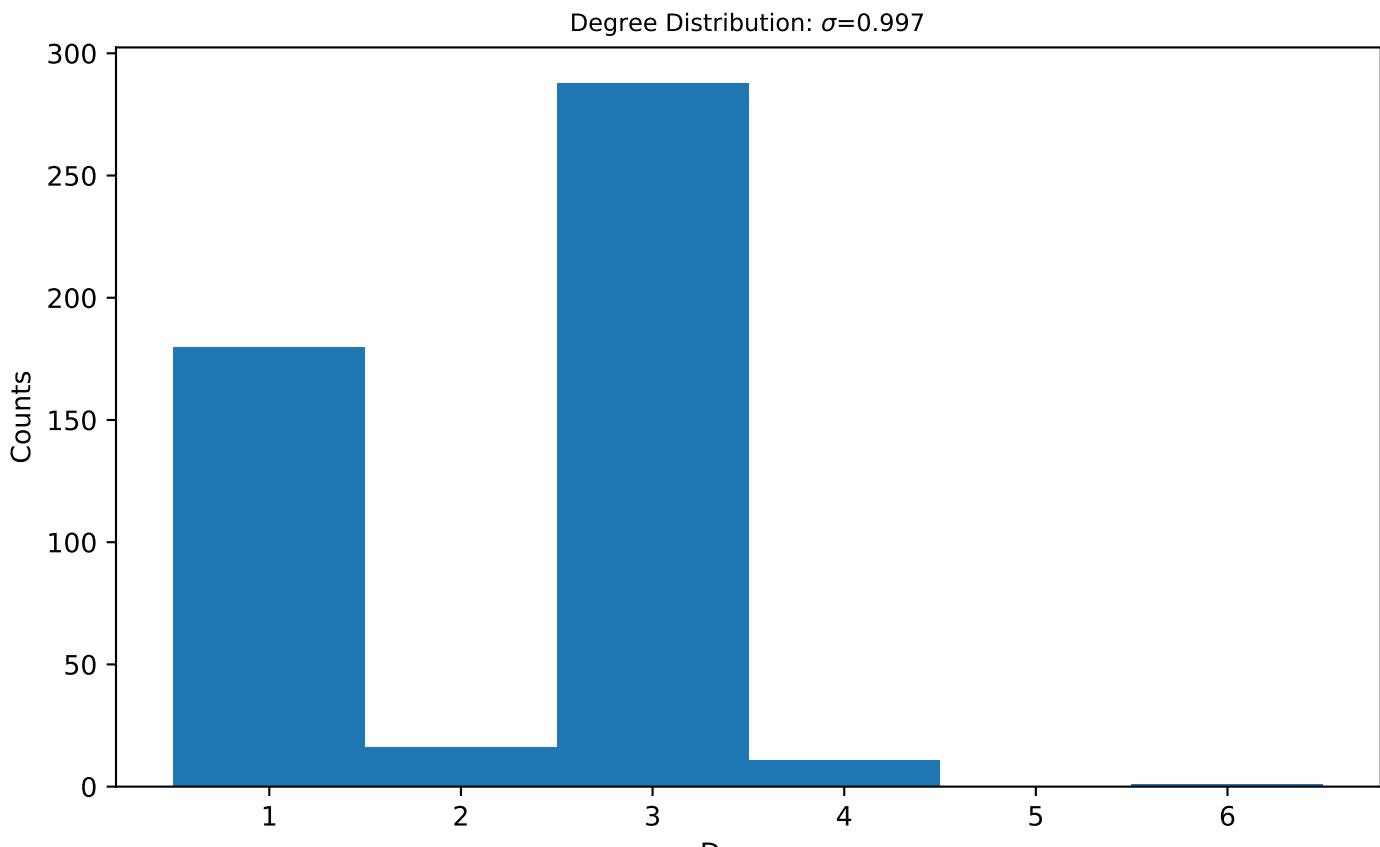


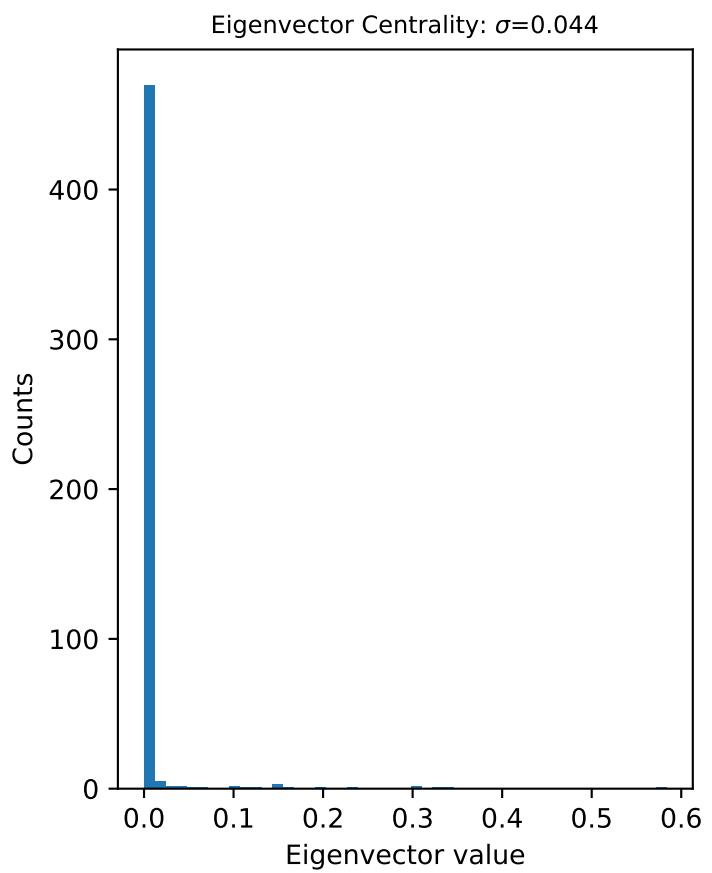
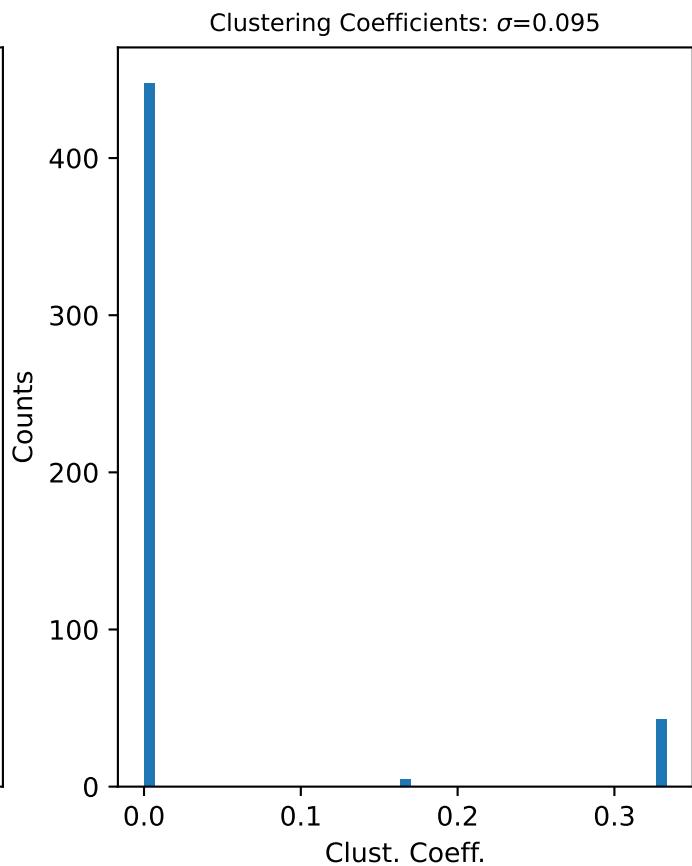
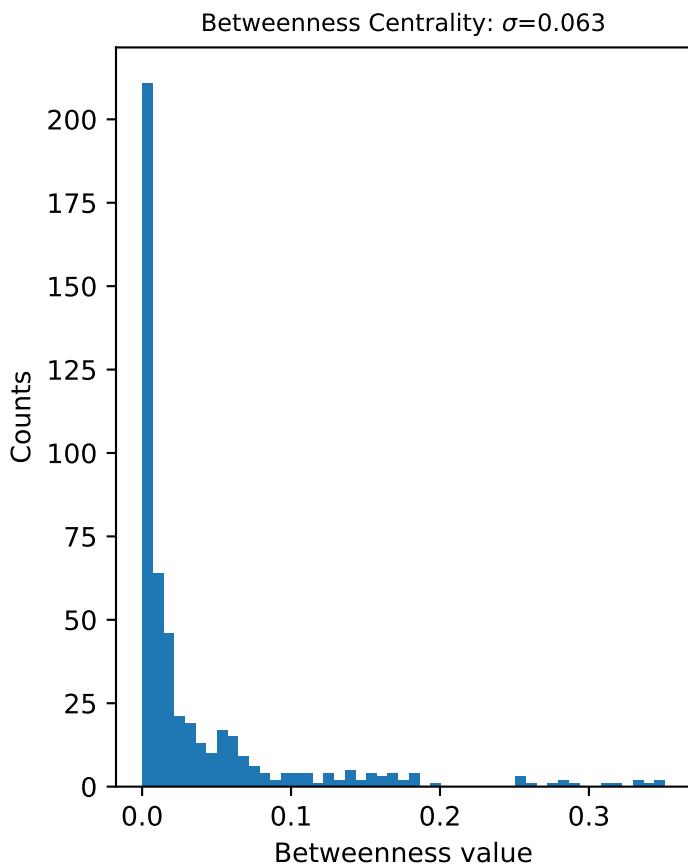




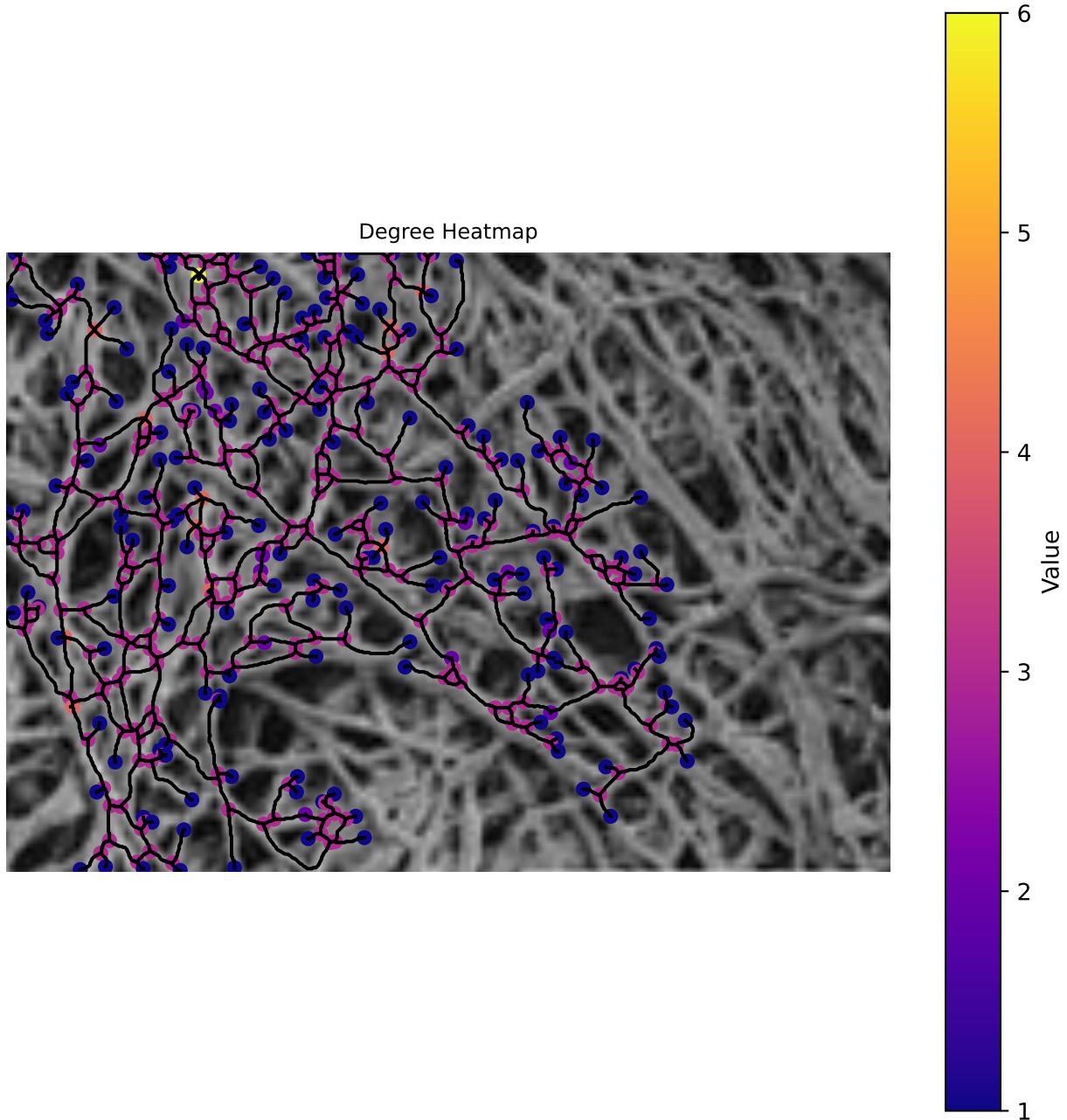
Fit Assuming Log-Normal Dependence on
Nodes vs Average closeness centrality



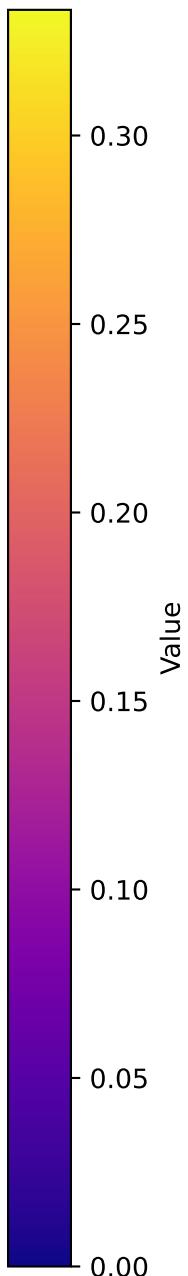
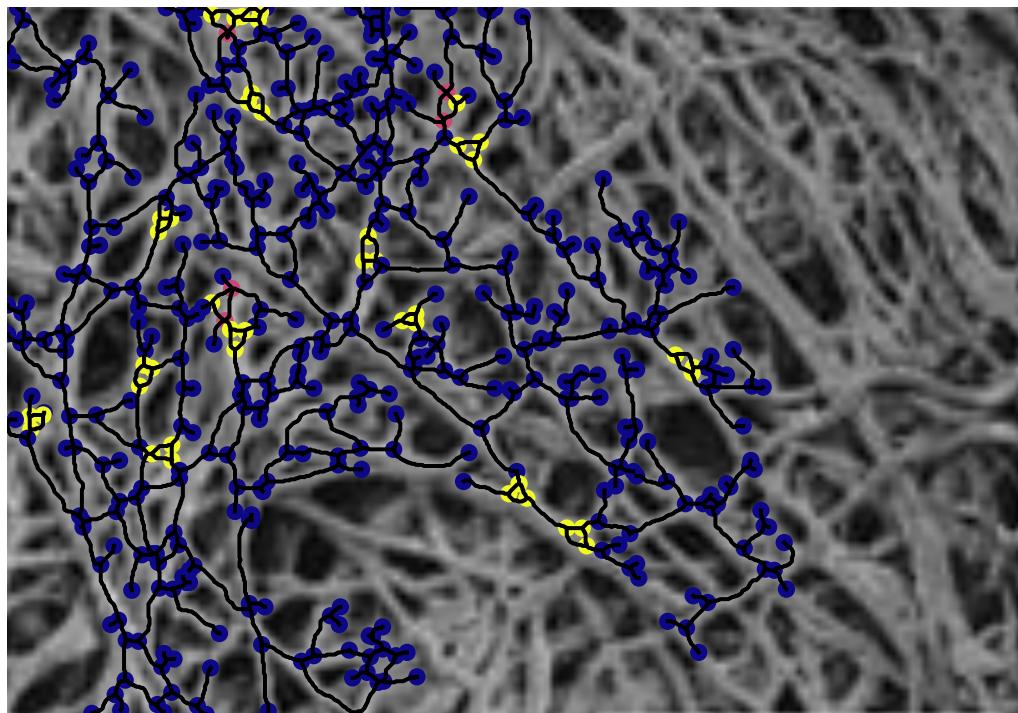




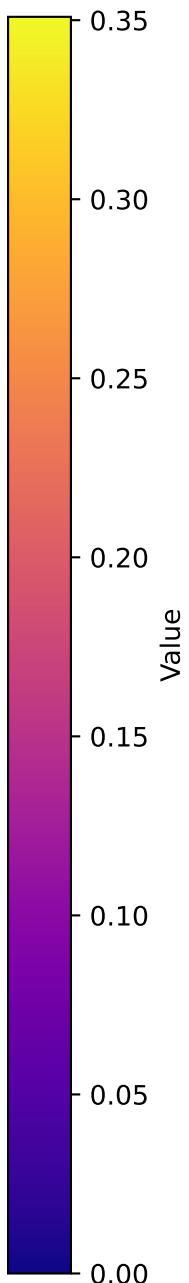
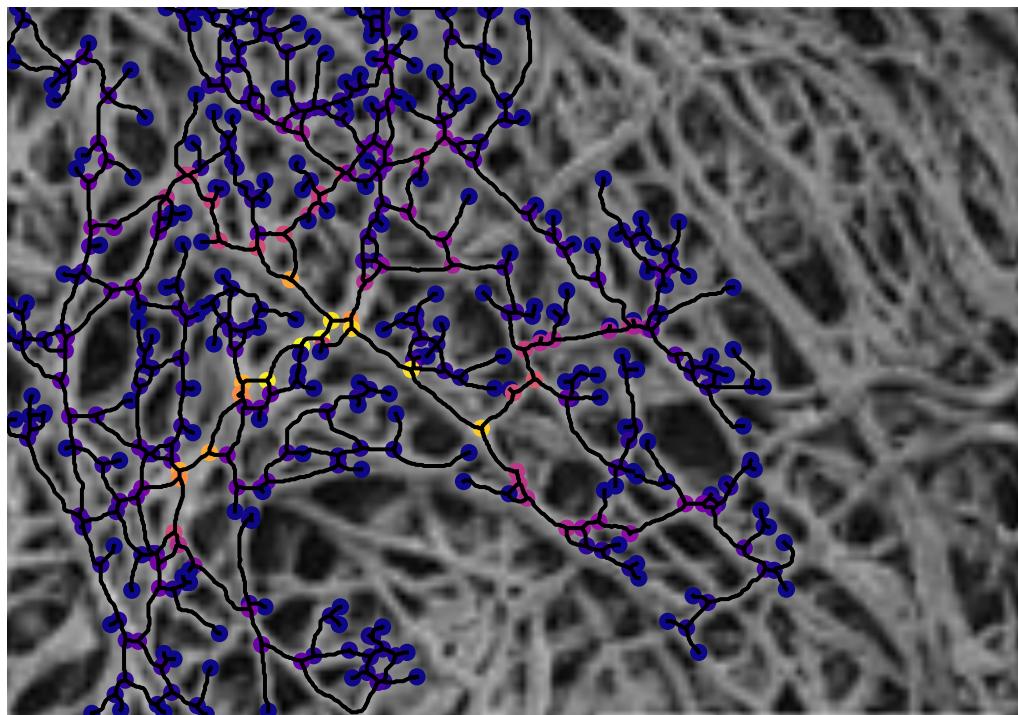
Degree Heatmap



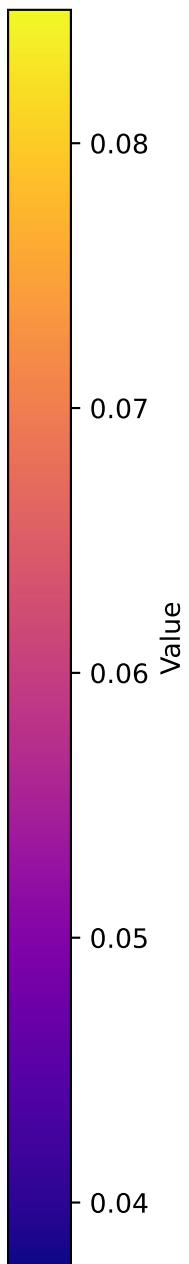
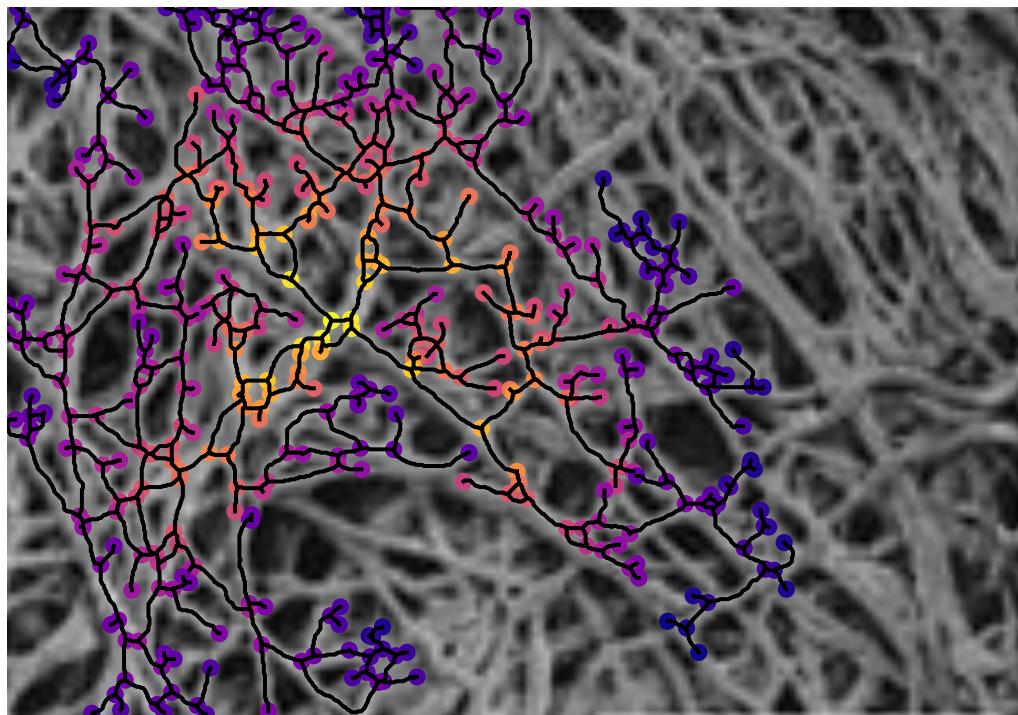
Clustering Coefficient Heatmap



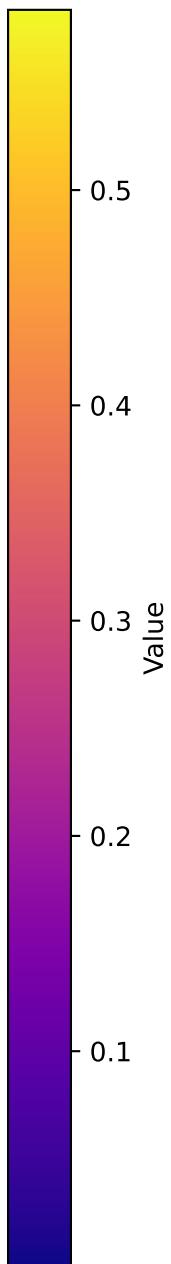
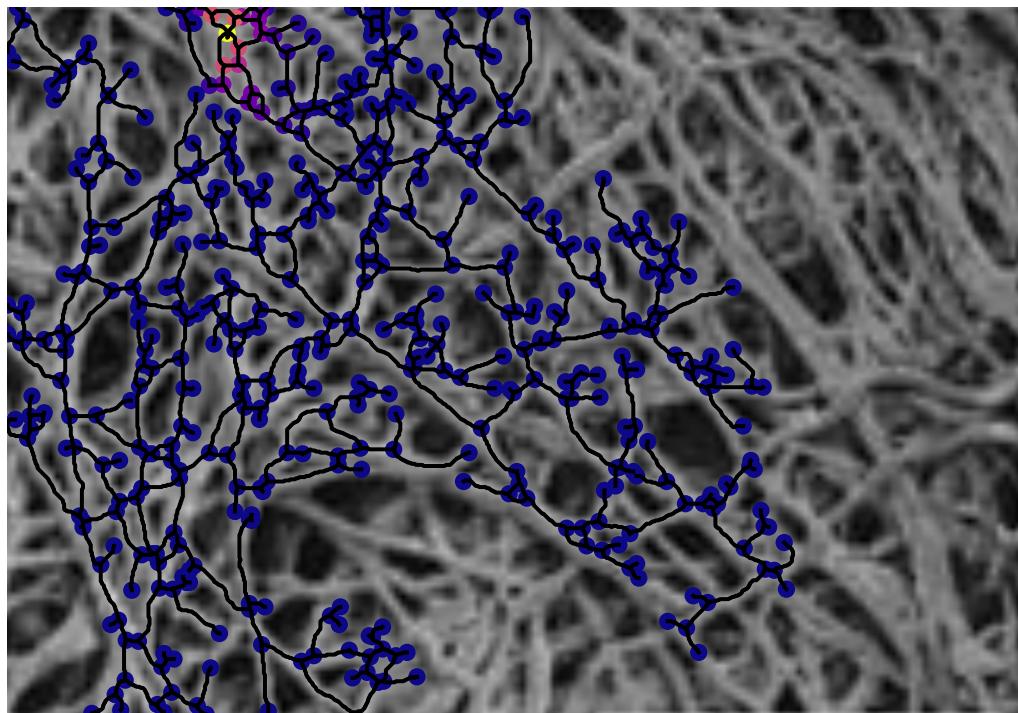
Betweenness Centrality Heatmap



Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Run Info

InVitroBioFilm.png
2025-06-03 11:03:52

Image Filter Configurations
Global Threshold (128.0) || Gamma = 1.0

Microscopy Parameters
Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1
Resistivity = 1.0Ωm

Image Scale
Size = 638 x 912 px || Scale Factor = 1.0

Graph Extraction Configurations