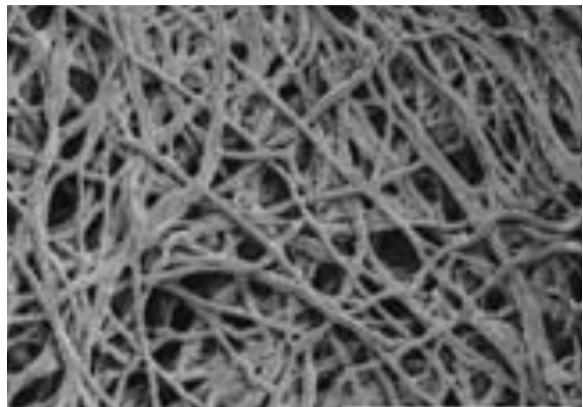
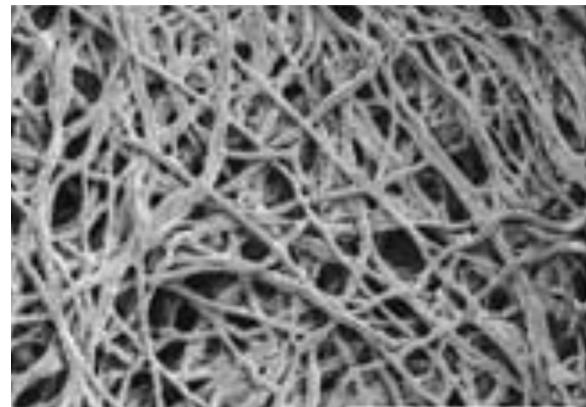


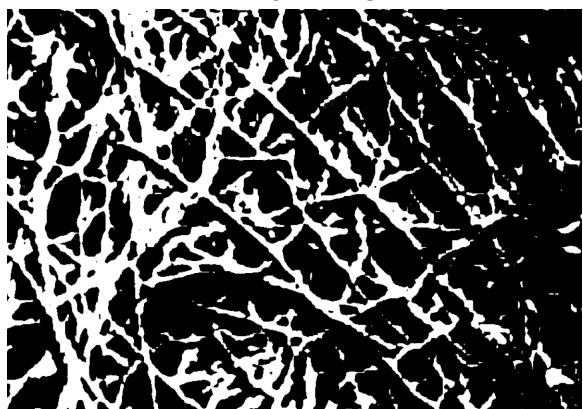
Original Image



Processed Image



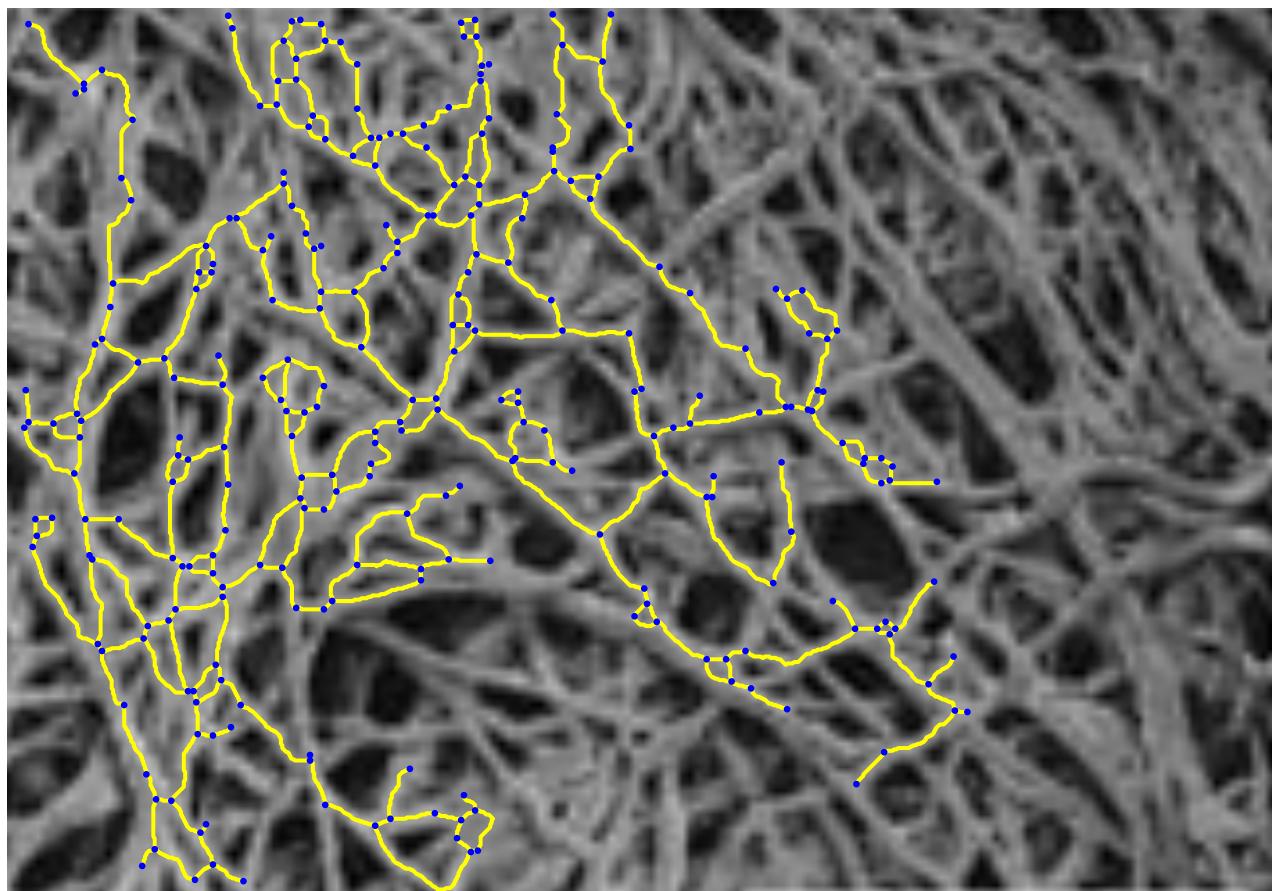
Binary Image



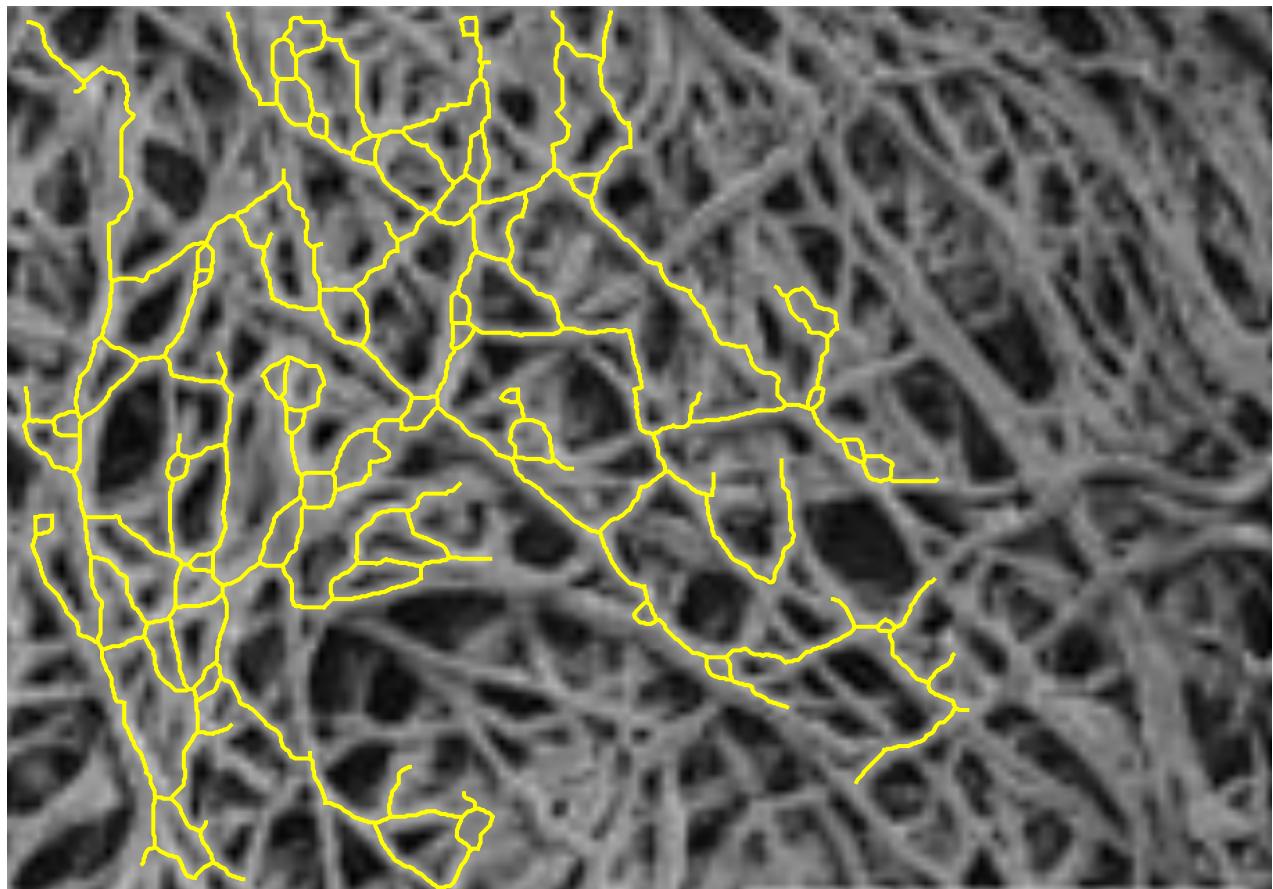
Histogram of Processed Image



Graph Node Plot



Graph Edge Plot

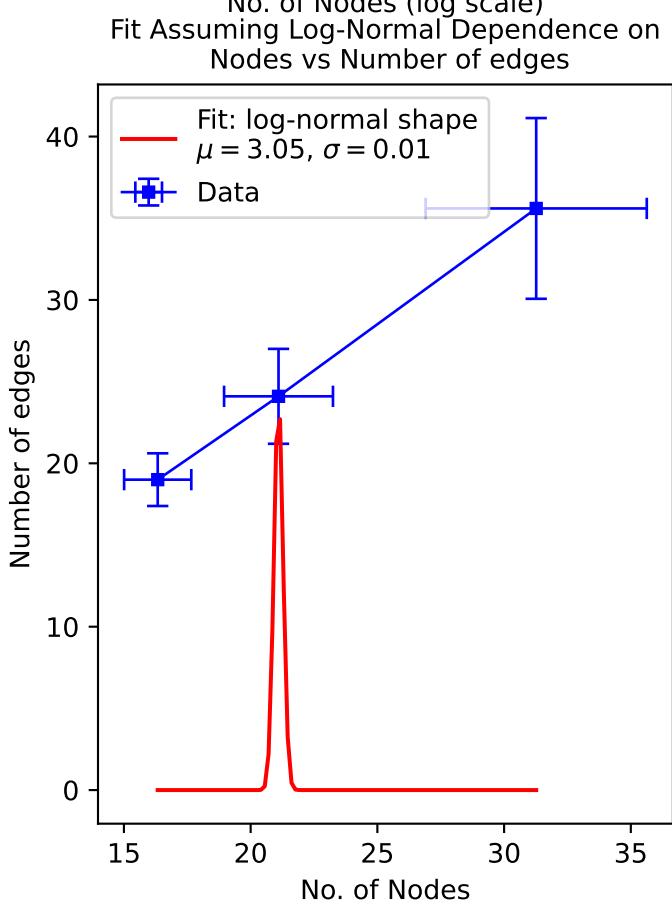
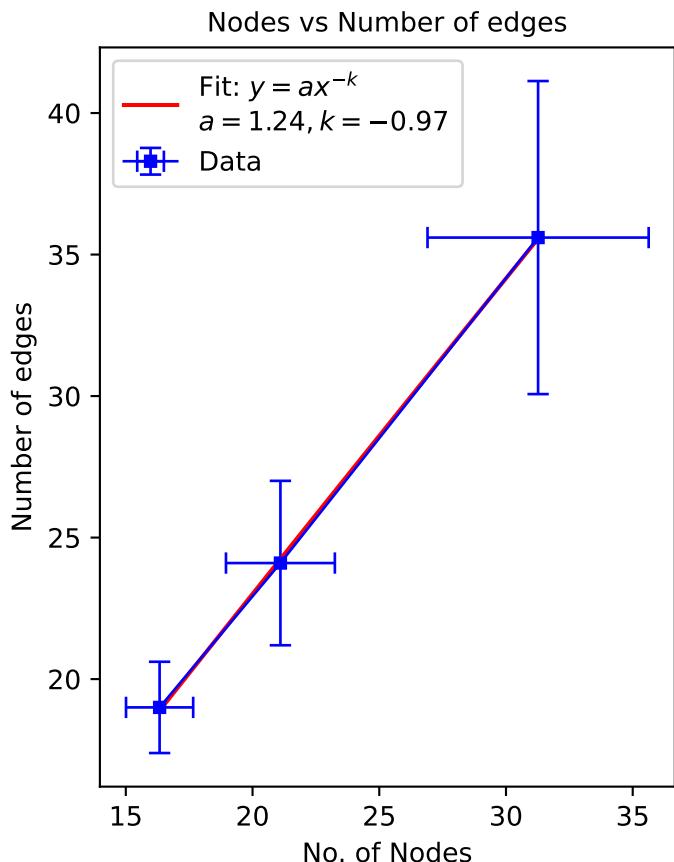
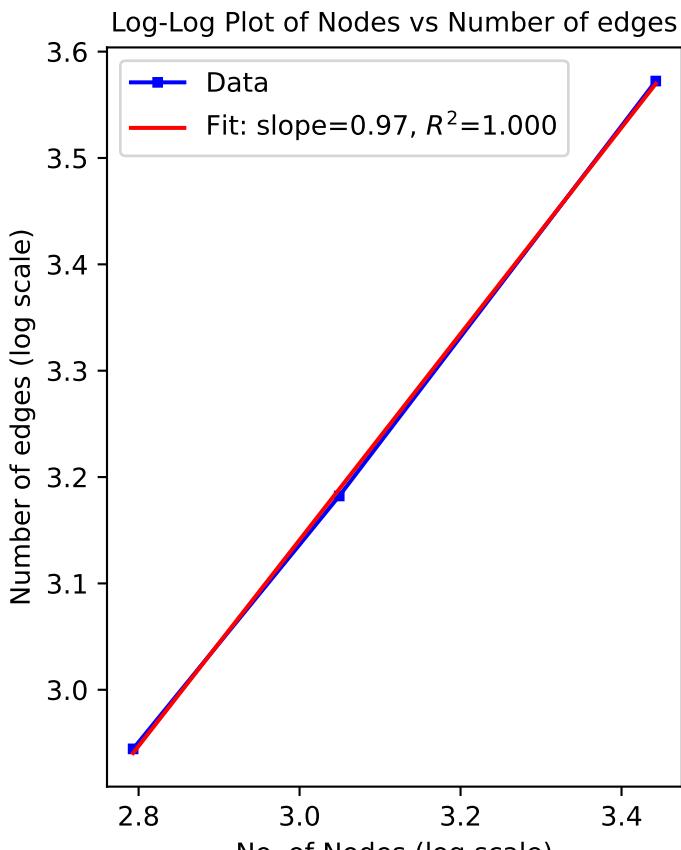


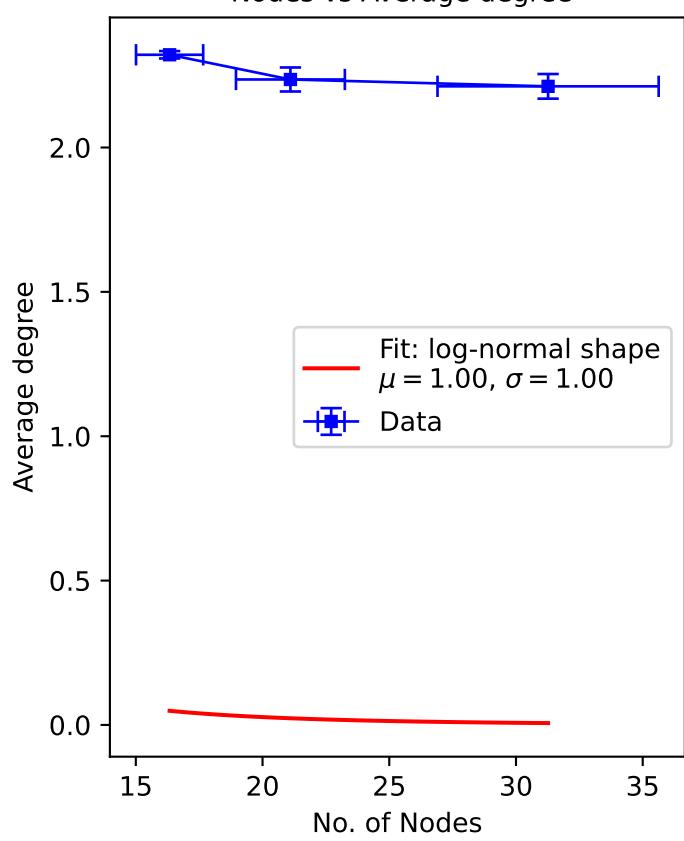
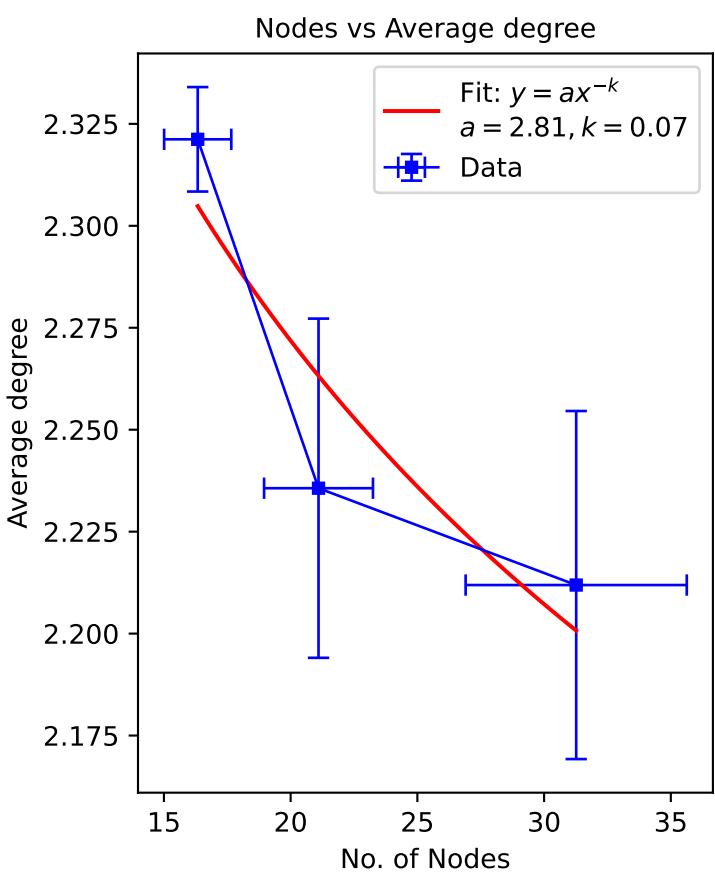
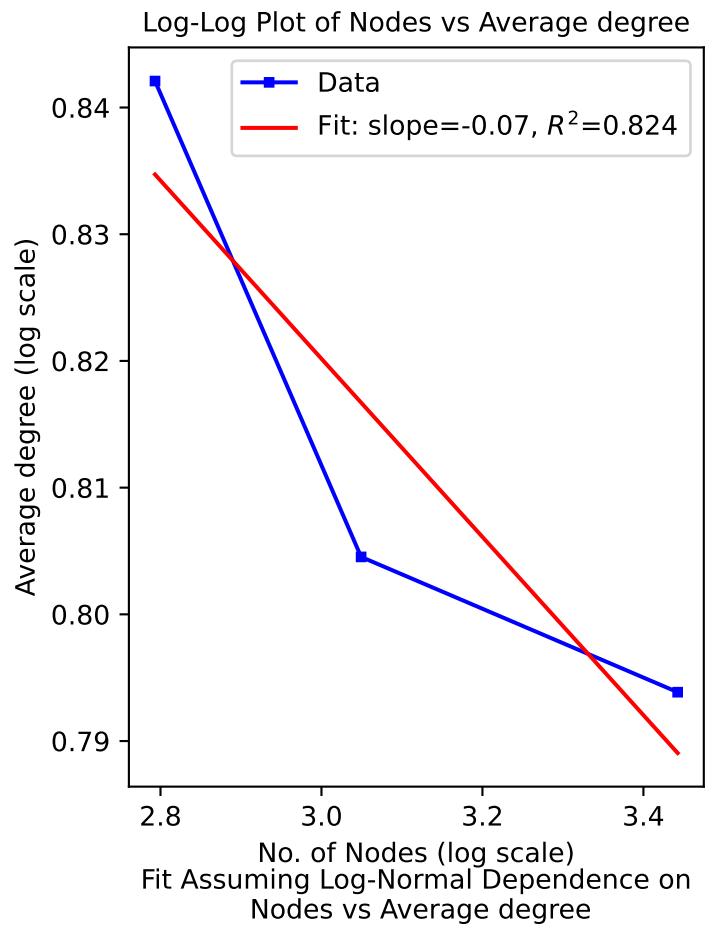
Unweighted GT parameters

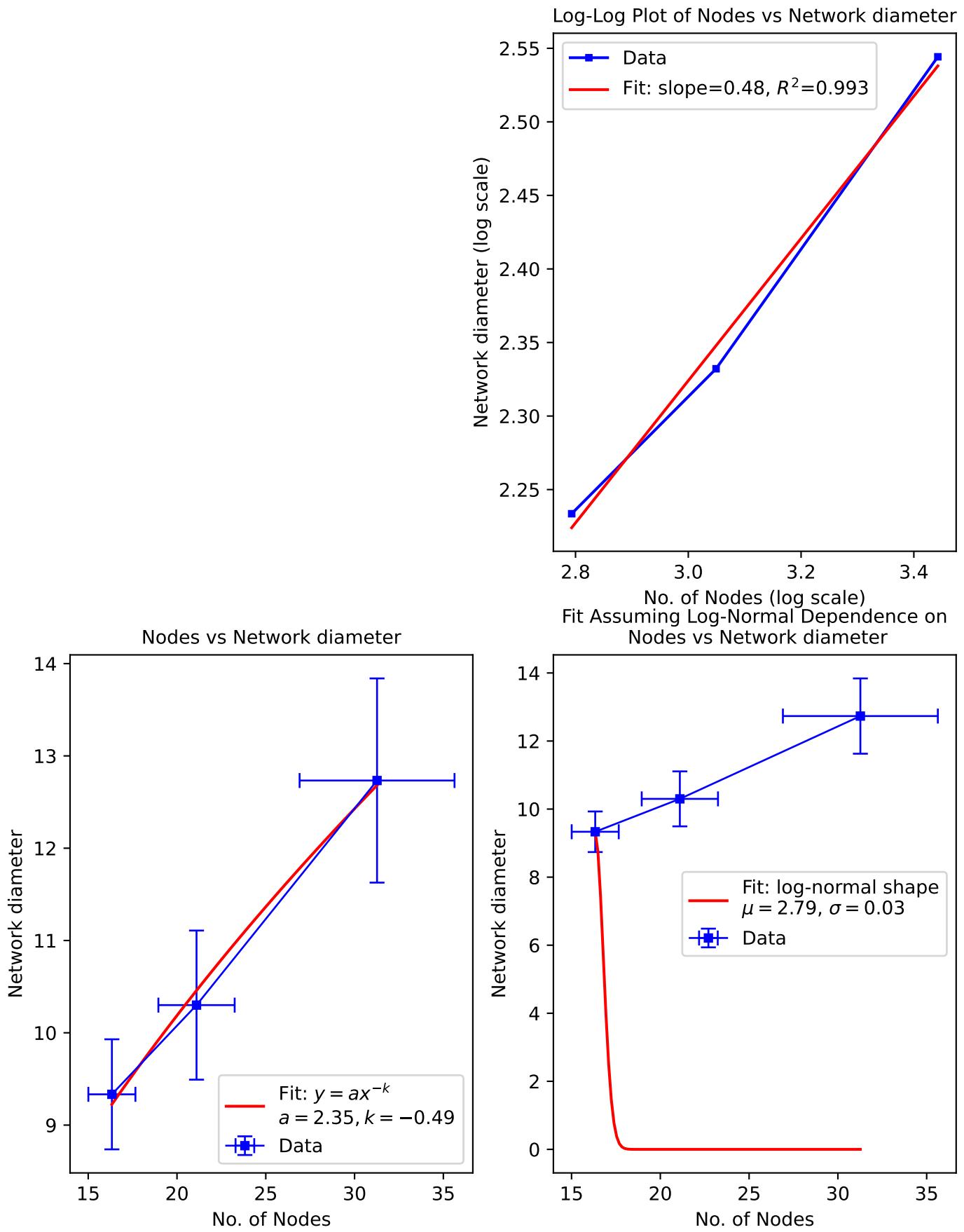
Number of nodes	286.0
Number of edges	347.0
Average edge angle (degrees)	164.153
Median edge angle (degrees)	87.138
Average degree	2.42657
Network diameter	35.0
Average node connectivity	1.18332
Graph density	0.00851
Global efficiency	0.09319
Wiener Index	646796.0
Assortativity coefficient	-0.02484
Average clustering coefficient	0.06294
Average betweenness centrality	0.05236
Average eigenvector centrality	0.02761
Average closeness centrality	0.06524

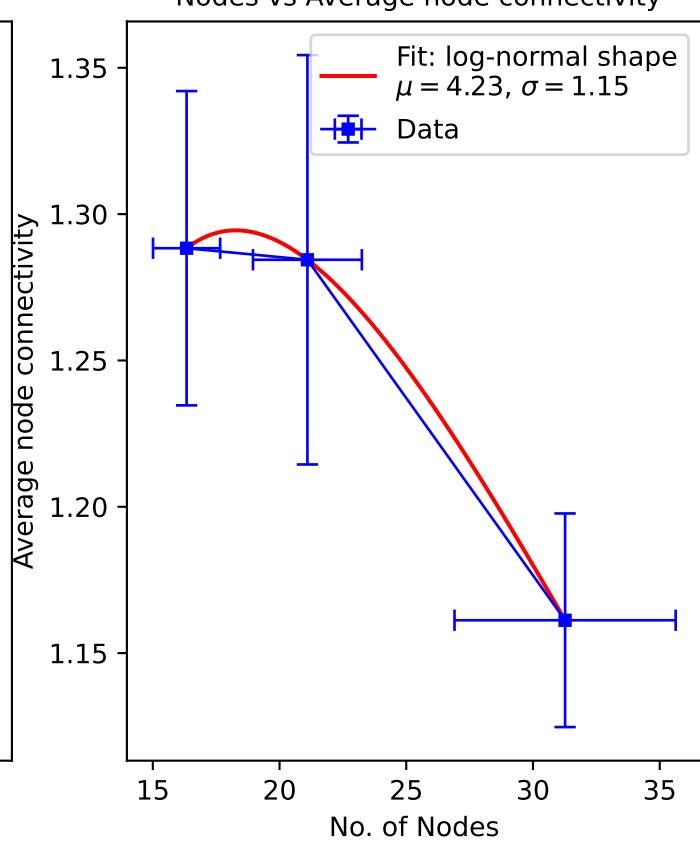
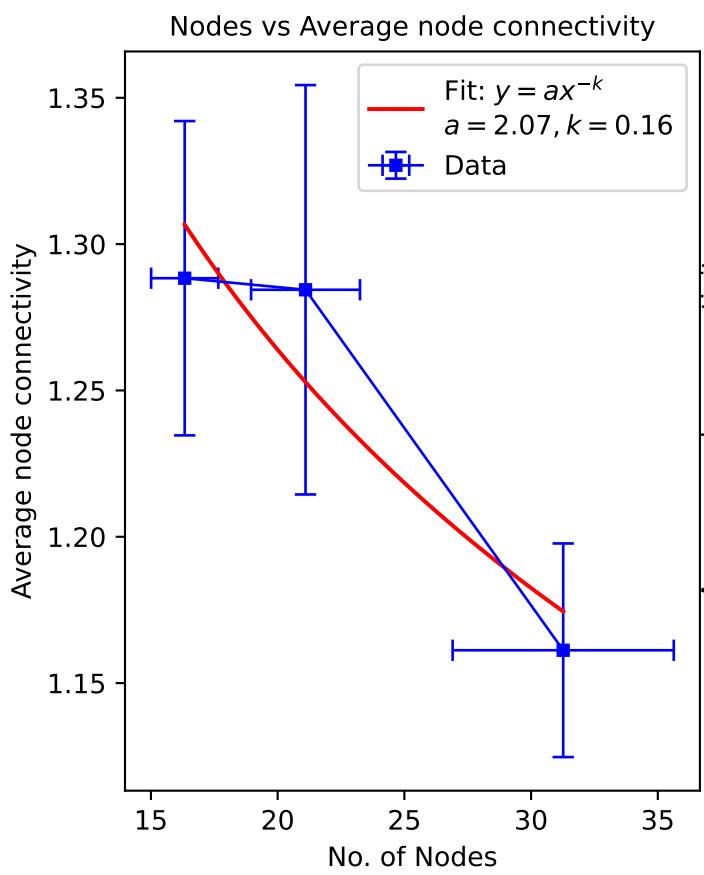
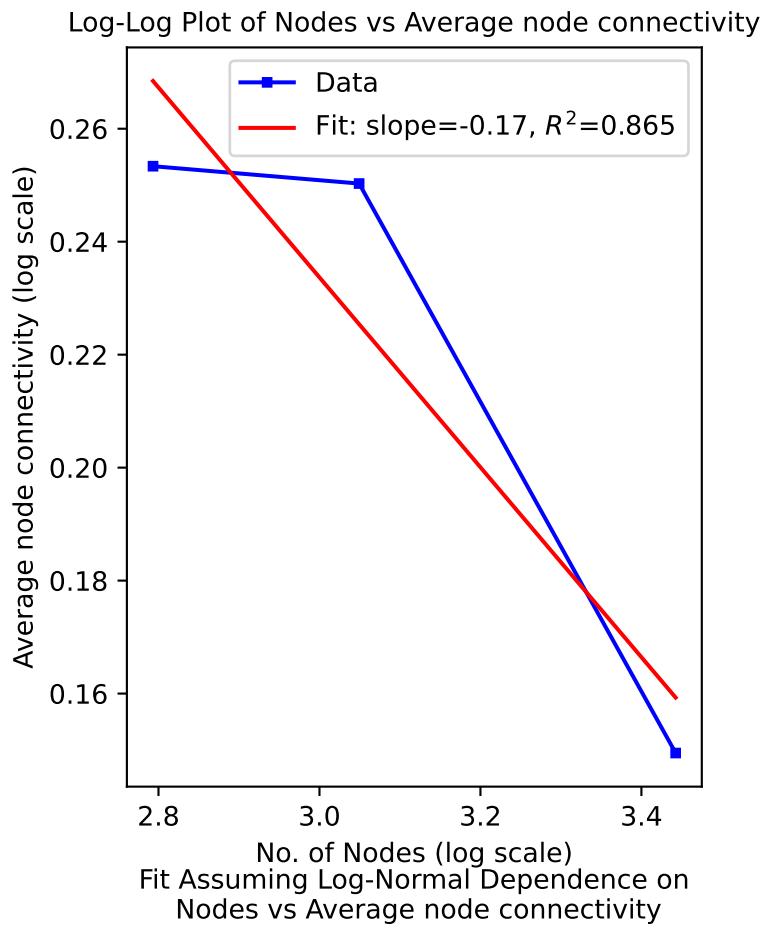
Weighted GT parameters

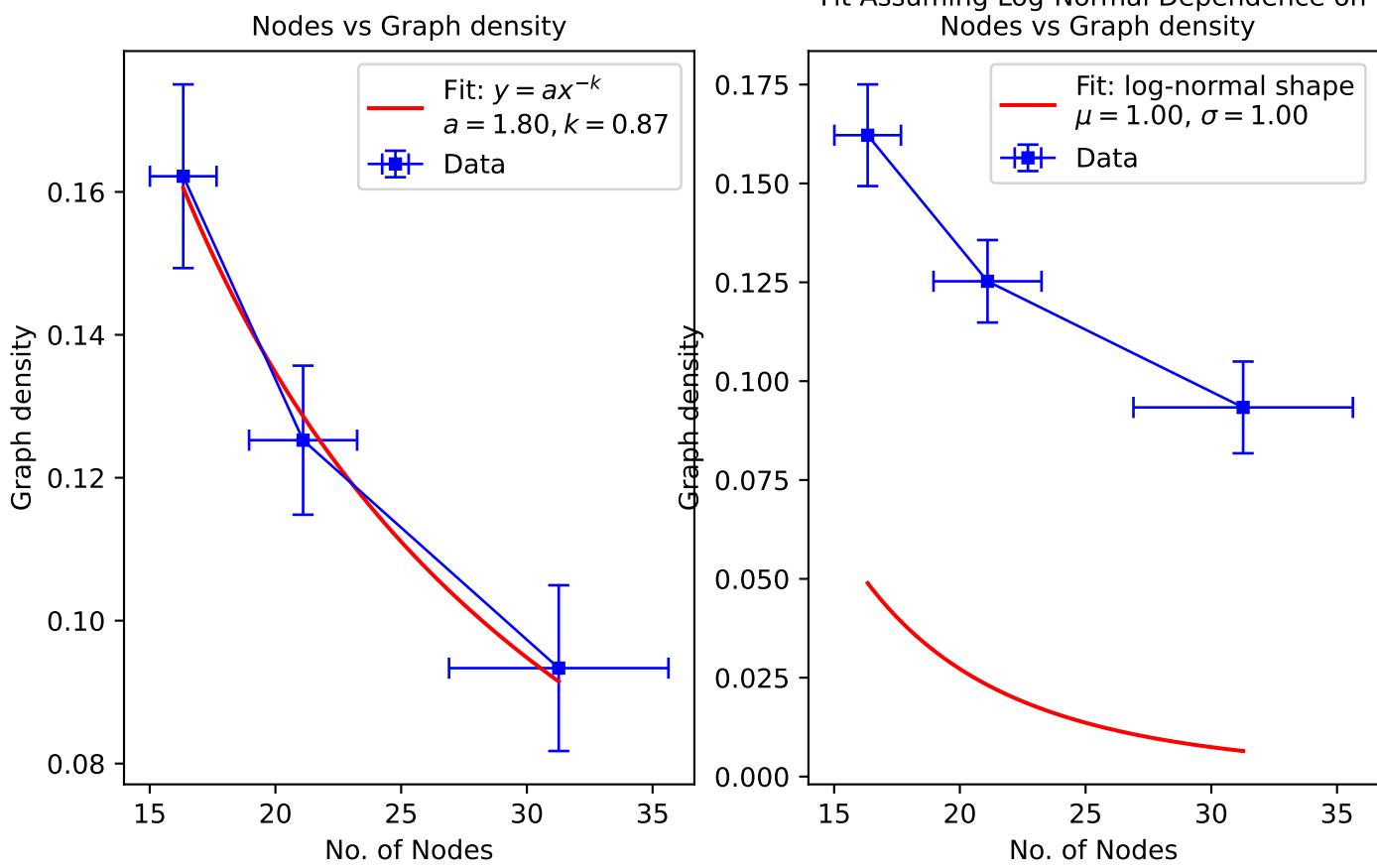
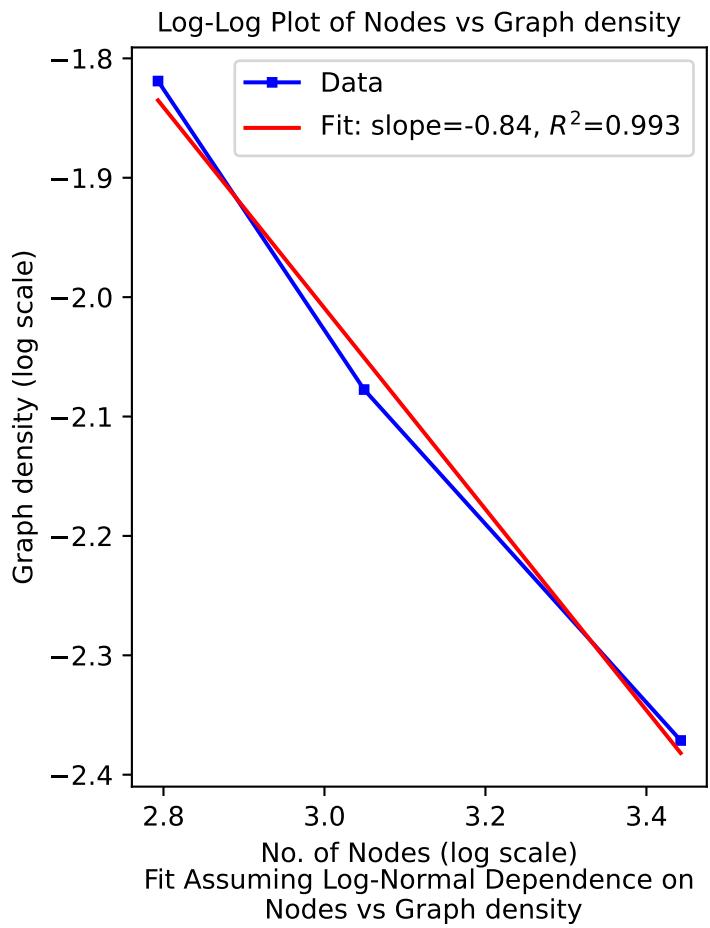
Diameter-weighted average degree	43.14037
Length-weighted Wiener Index	19757871.0
Max flow between periphery	1.91421
Width-weighted assortativity coefficient	0.56118
Diameter-weighted betweenness centrality	0.06009
Length-weighted average closeness centrality	0.00215
Diameter-weighted average eigenvector centrality	0.00707

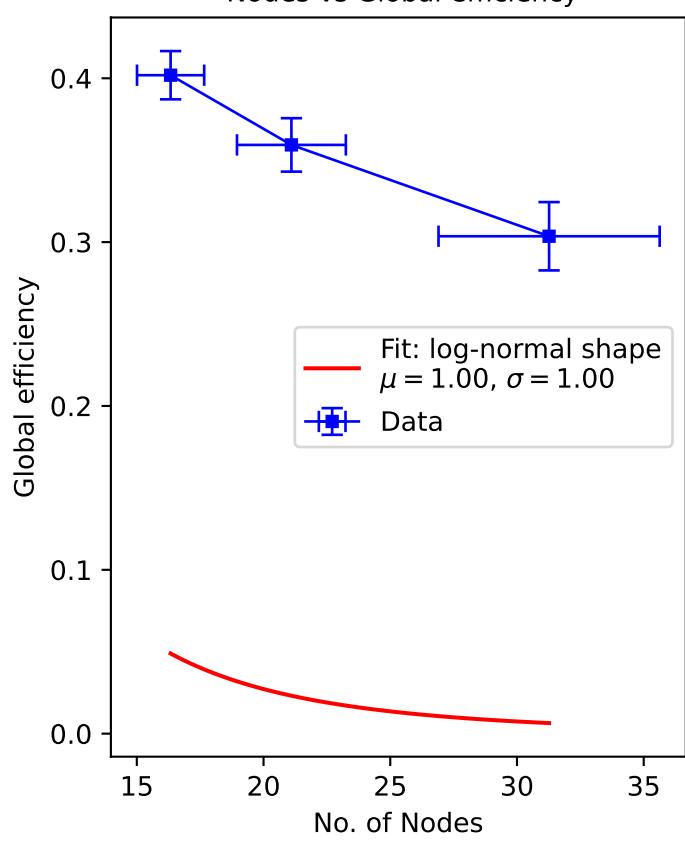
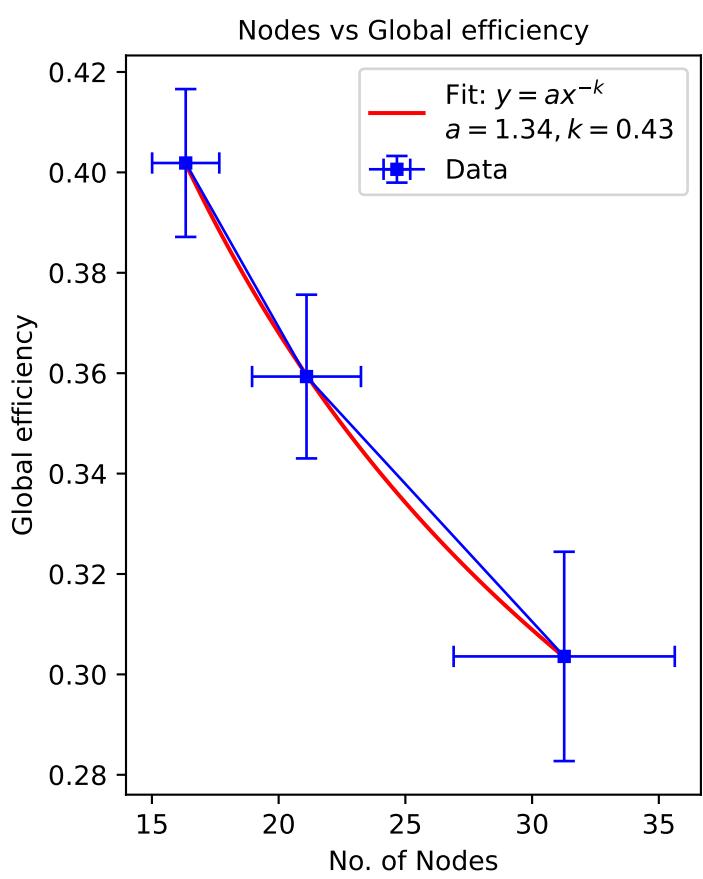
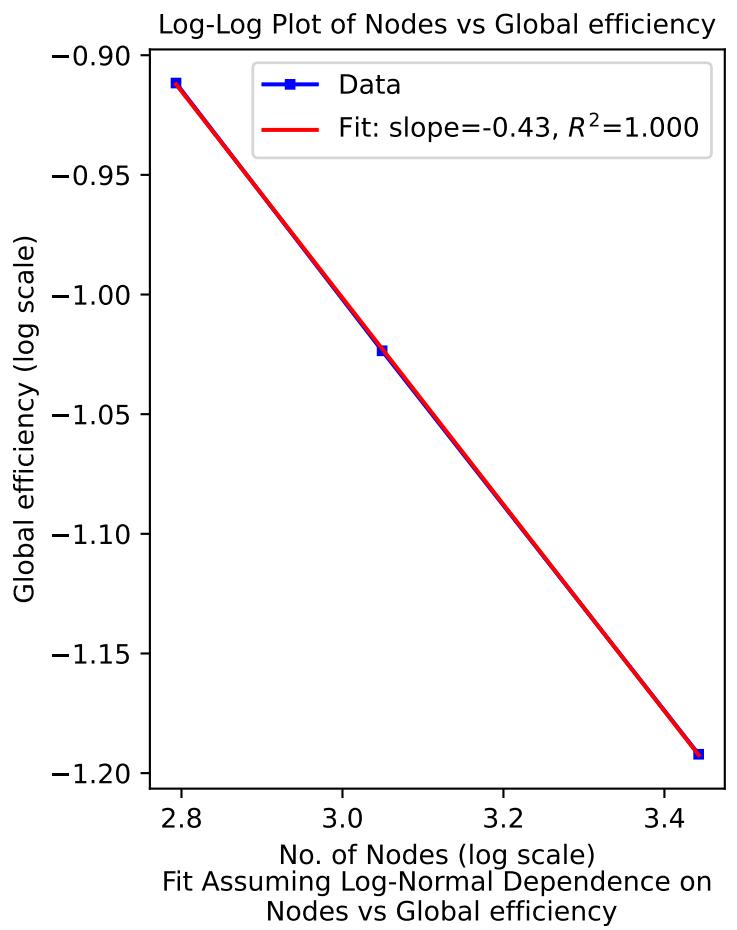


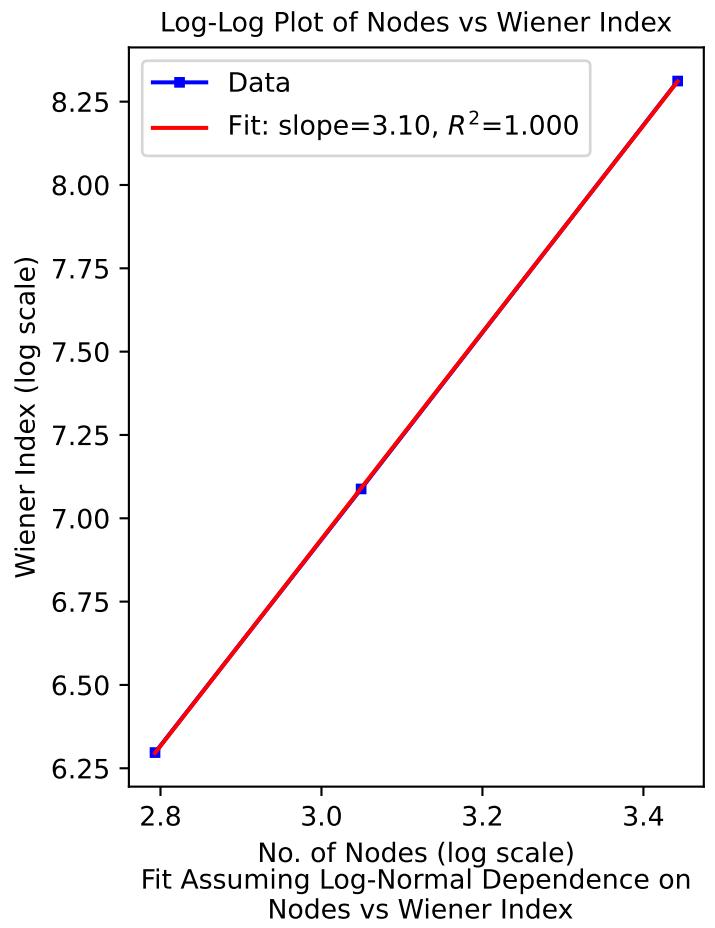




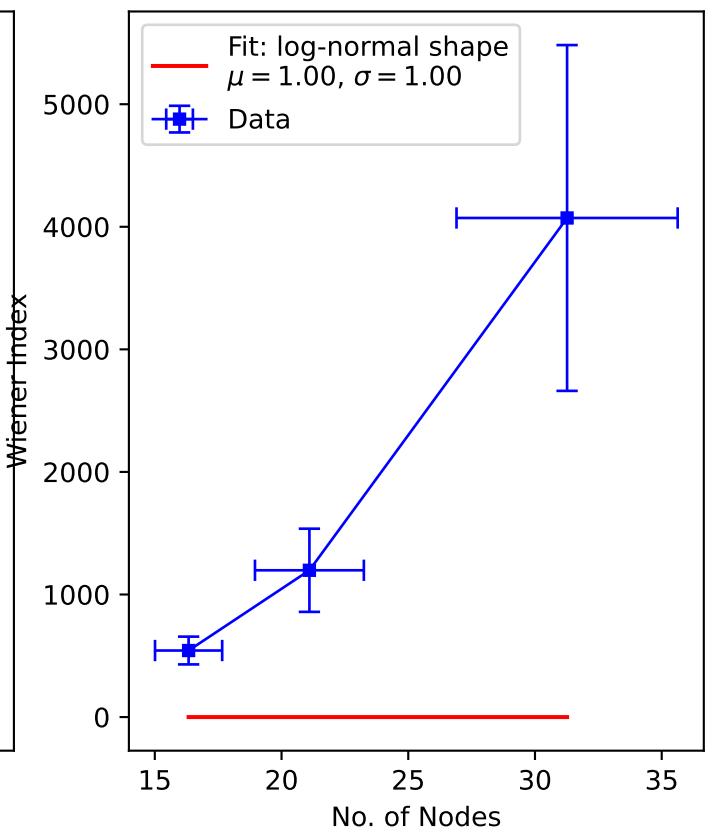
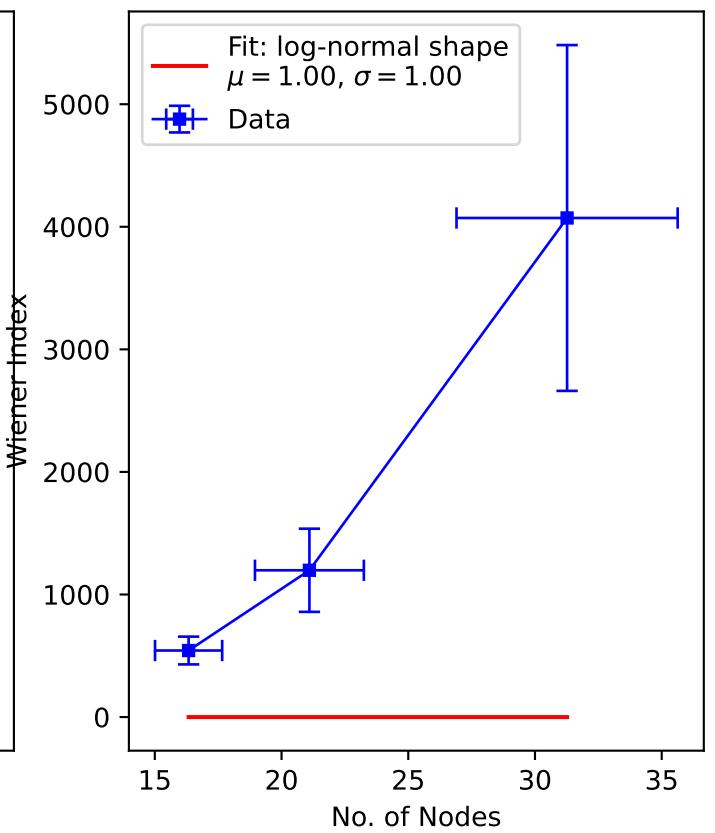


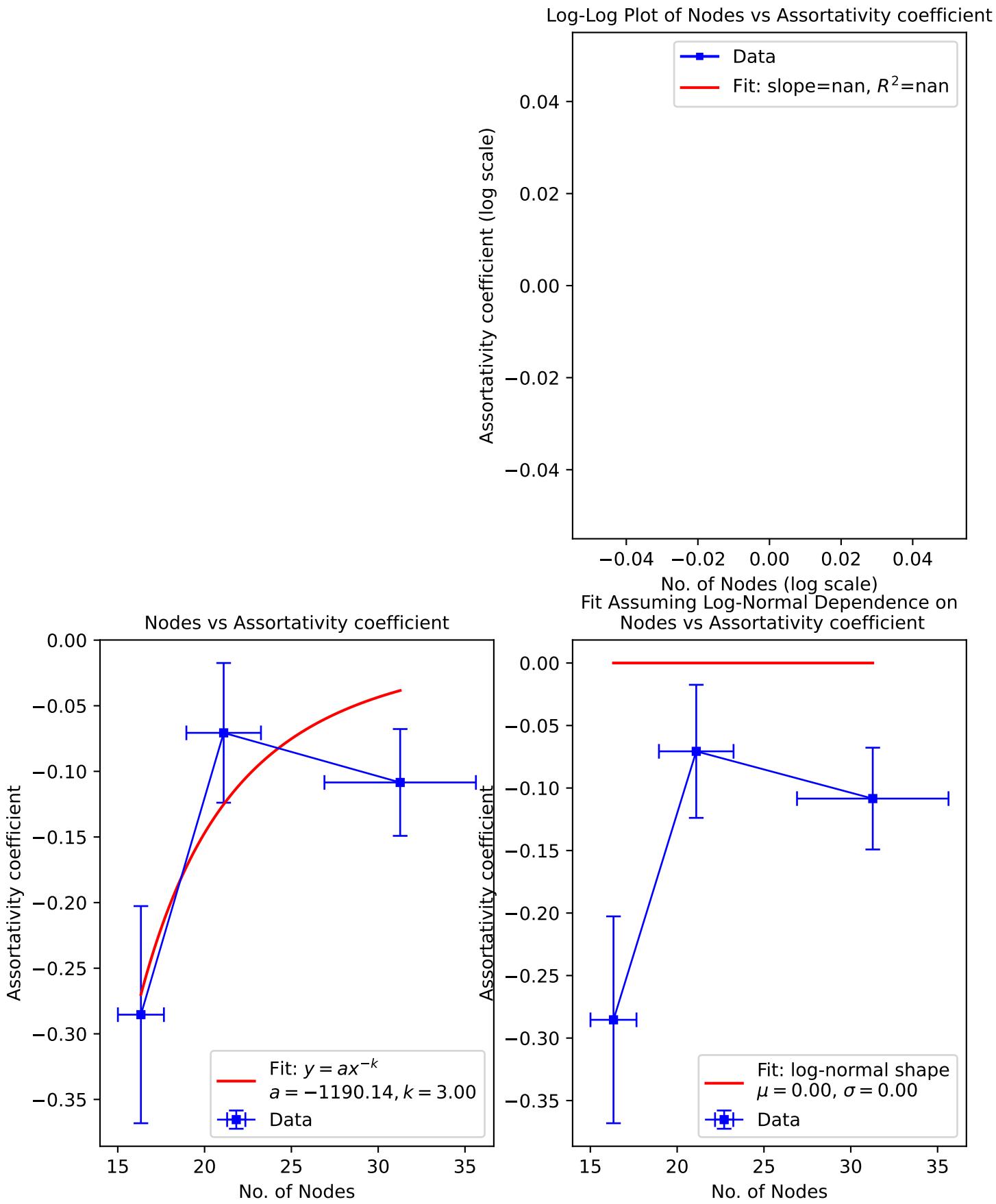


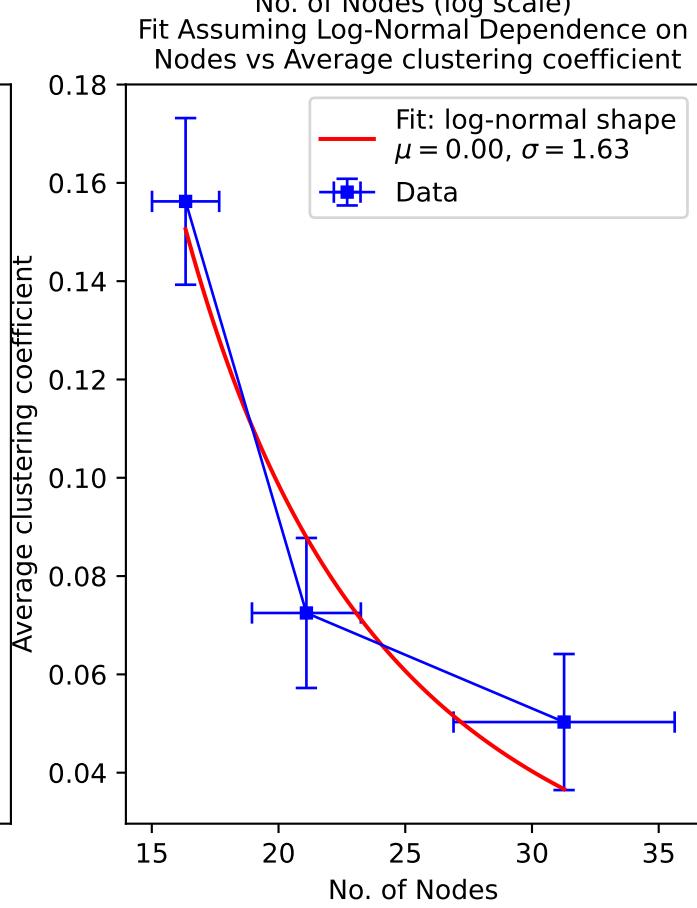
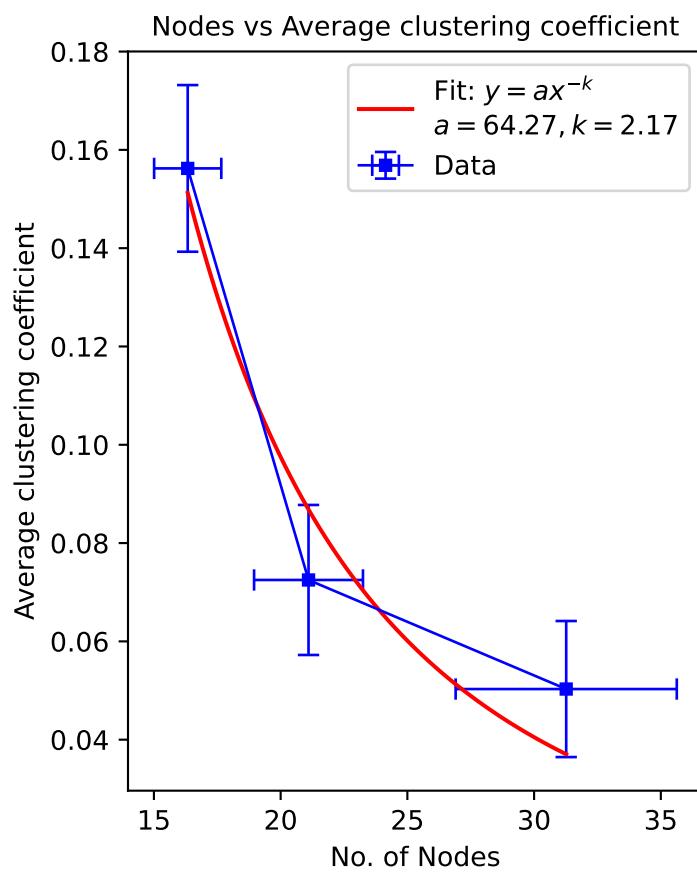
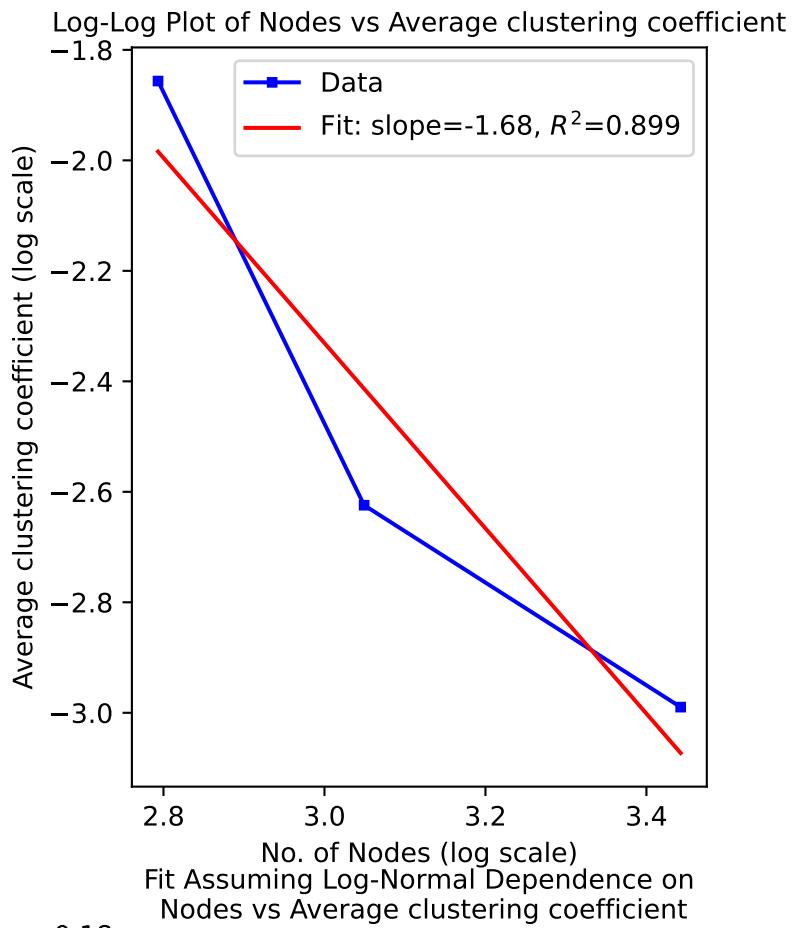


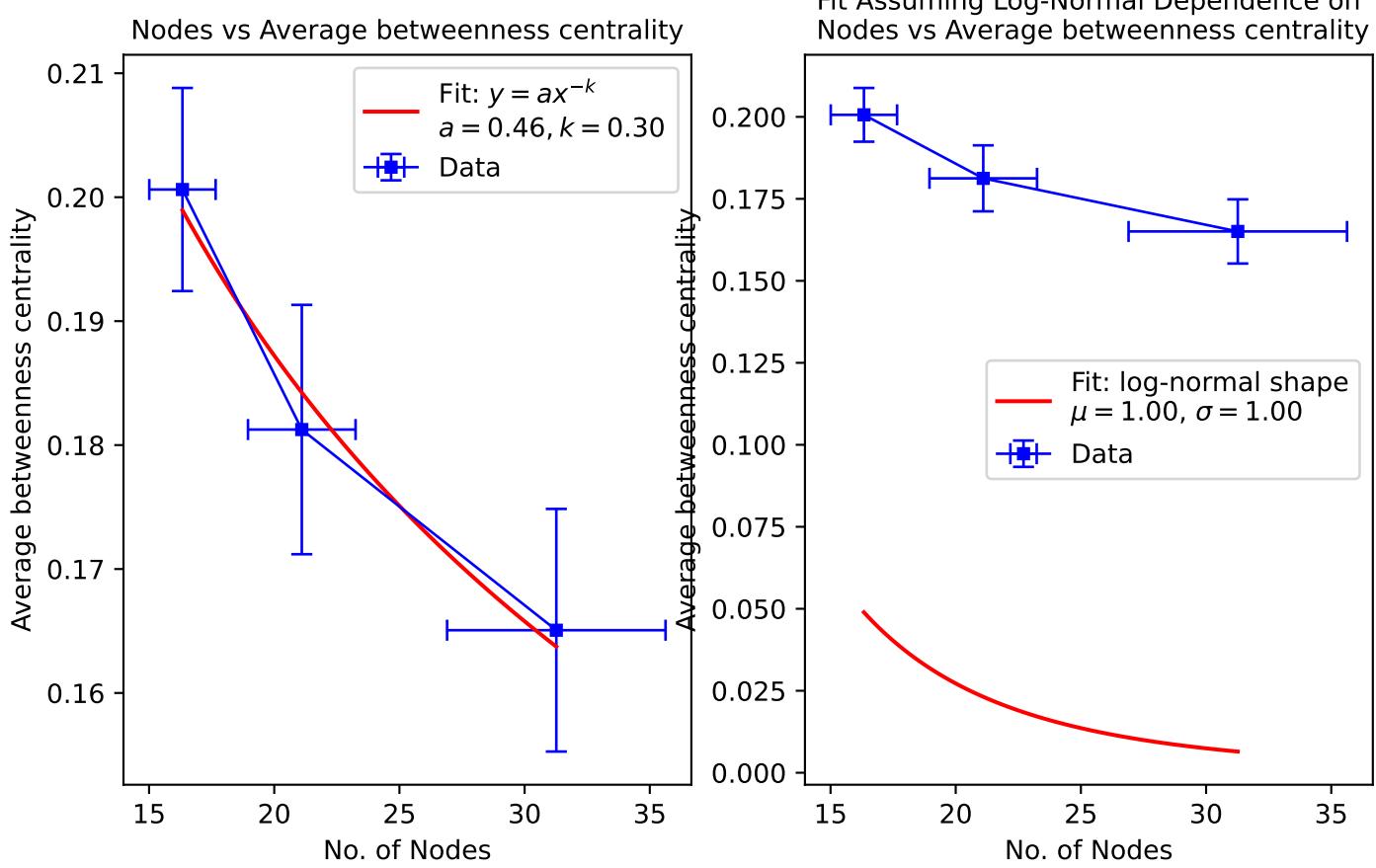
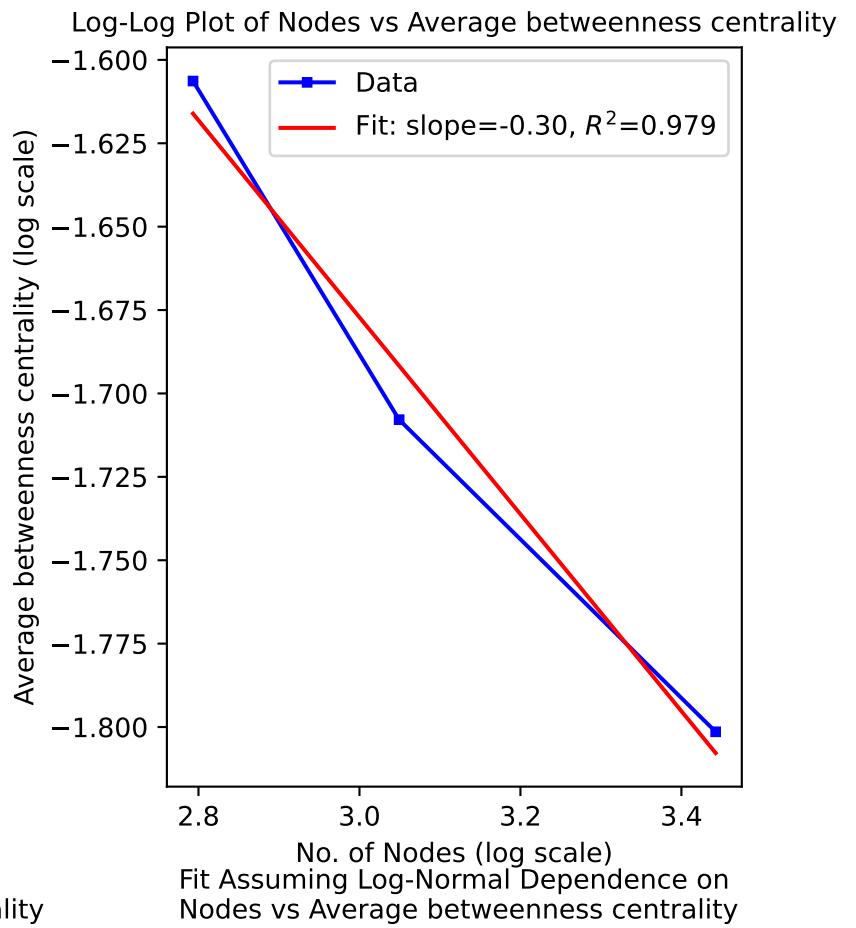


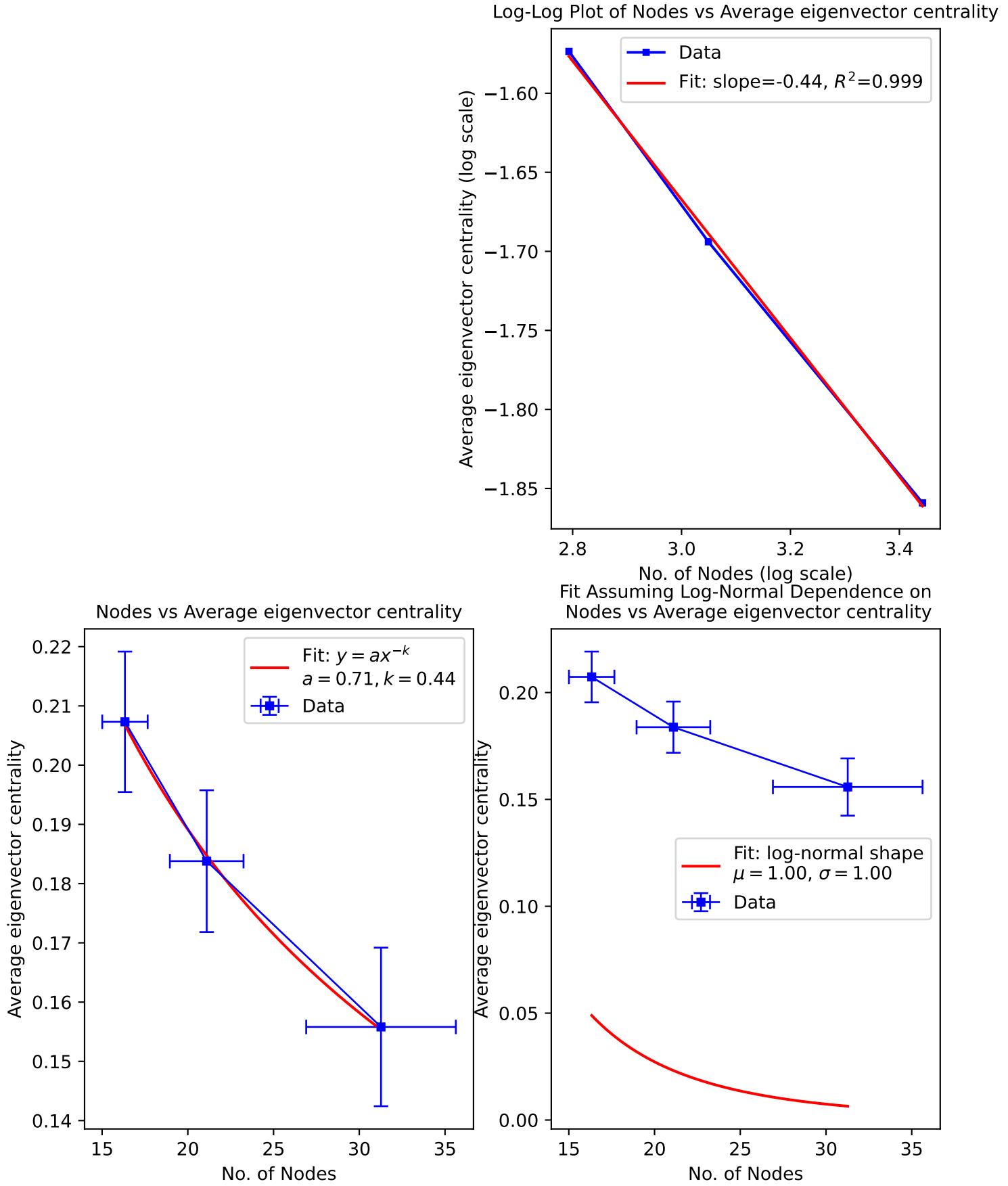
Fit Assuming Log-Normal Dependence on
Nodes vs Wiener Index

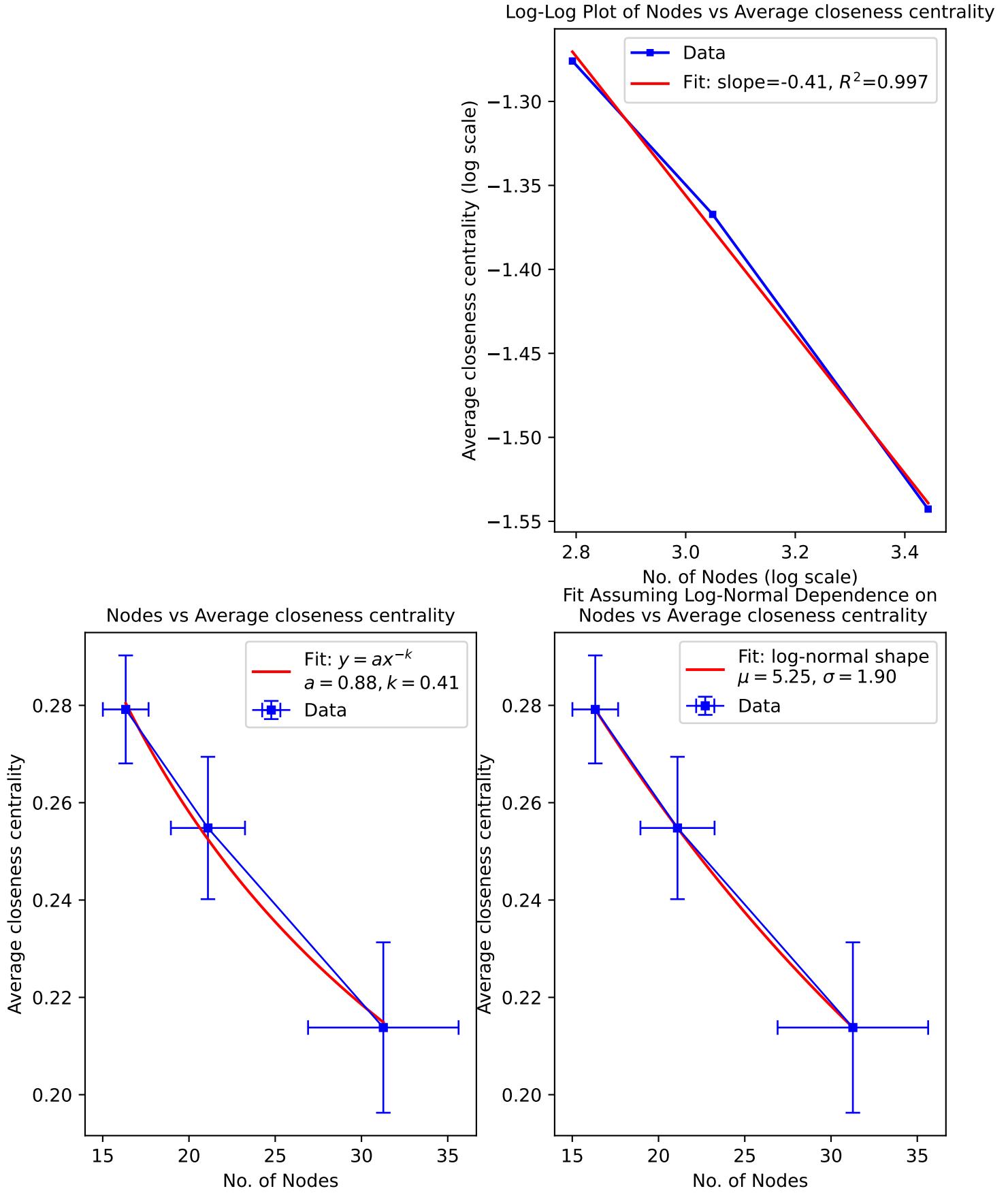


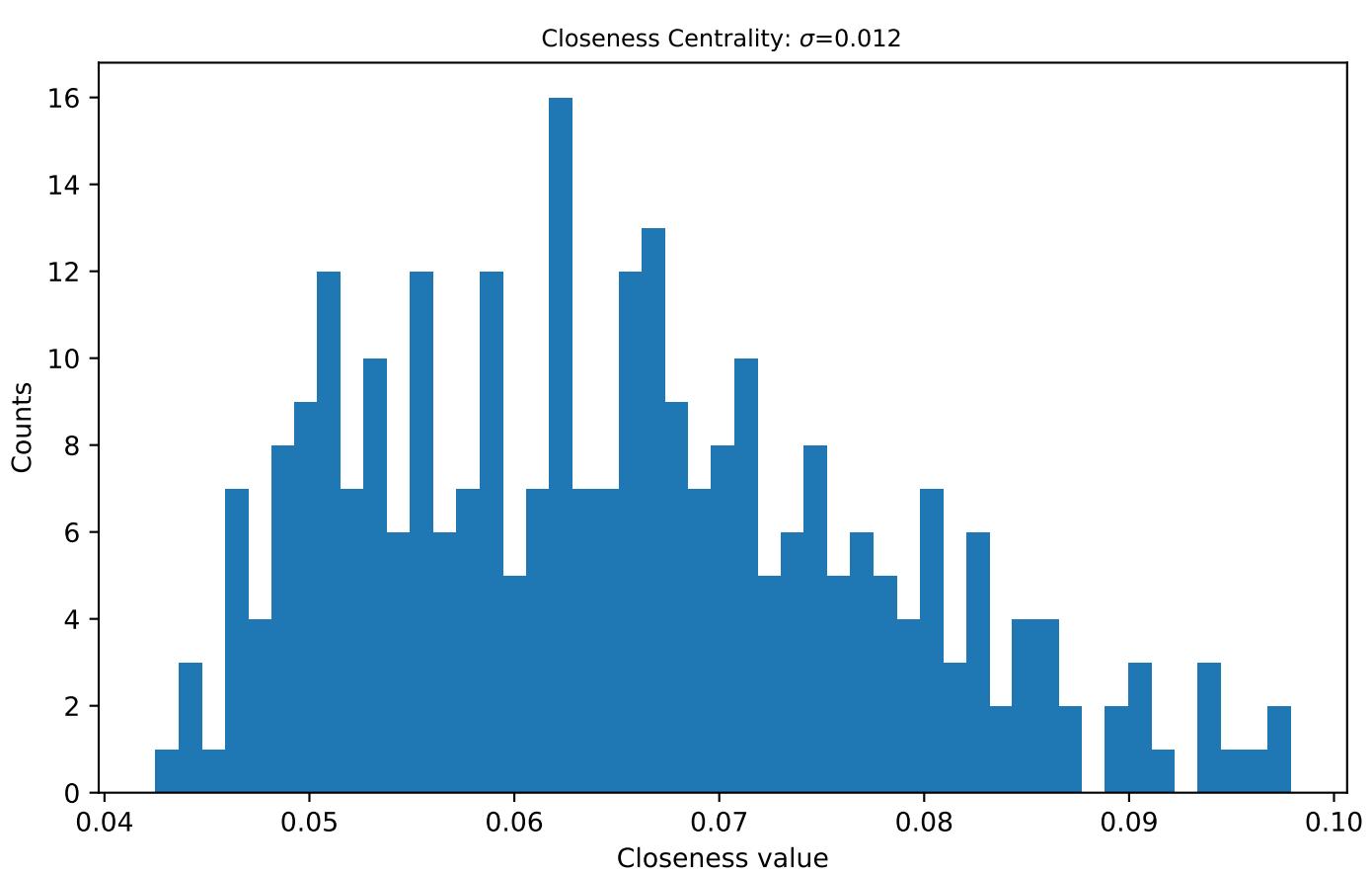
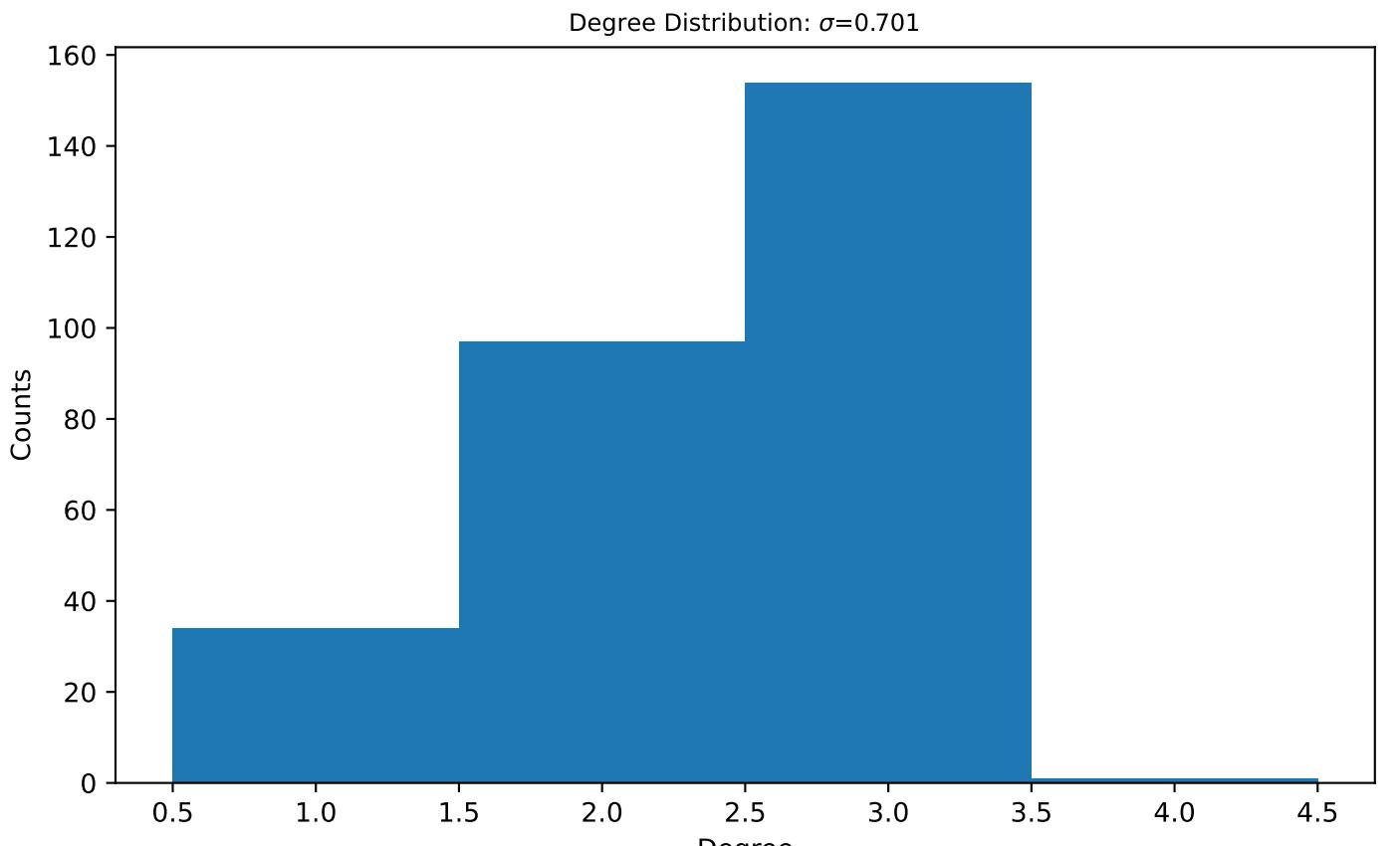


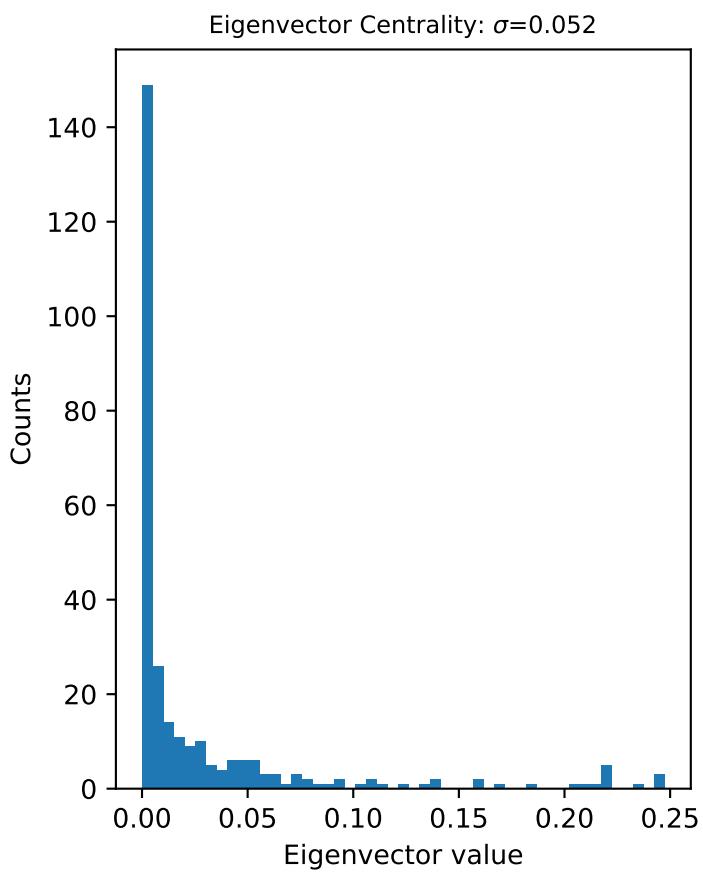
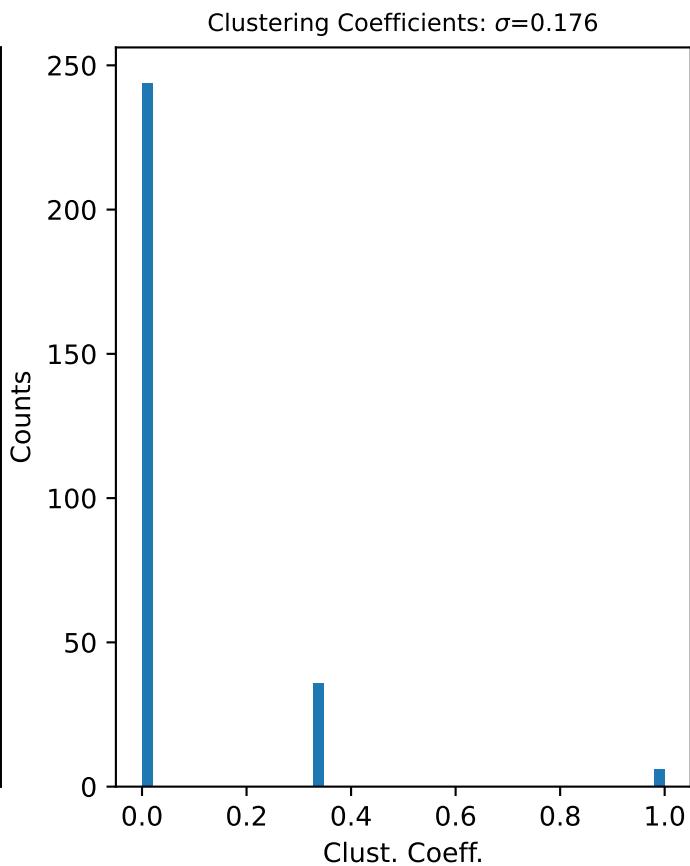
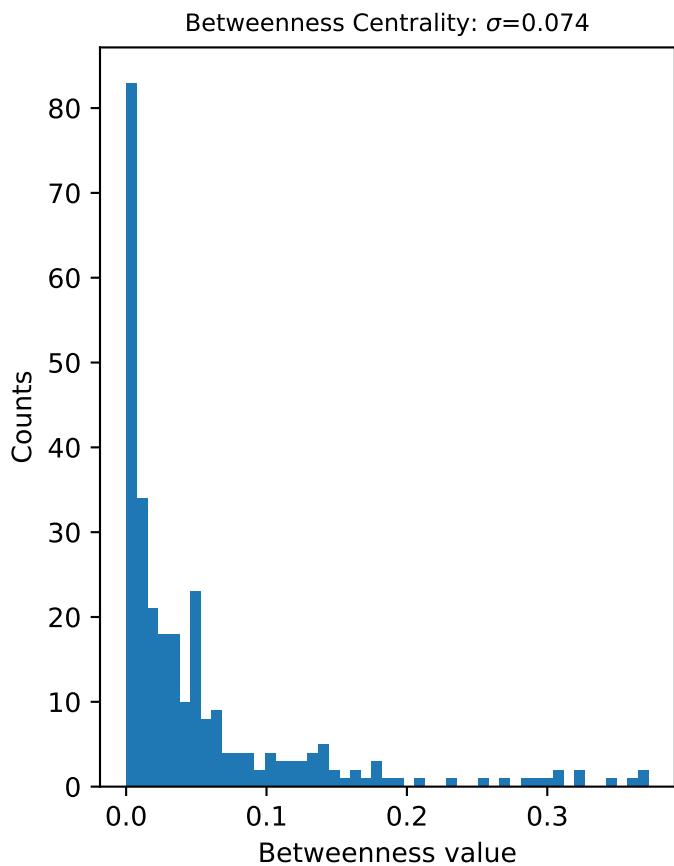


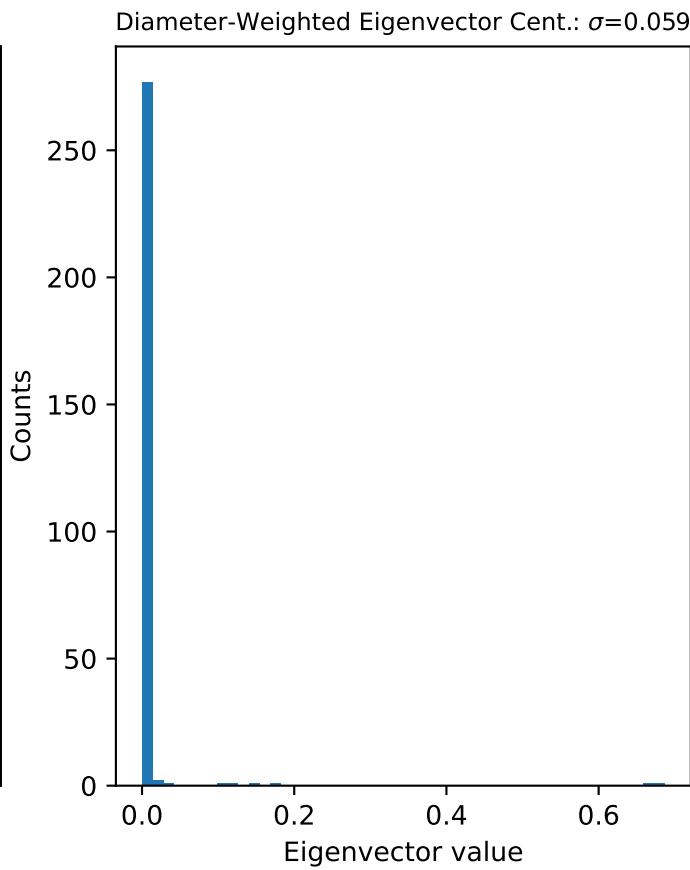
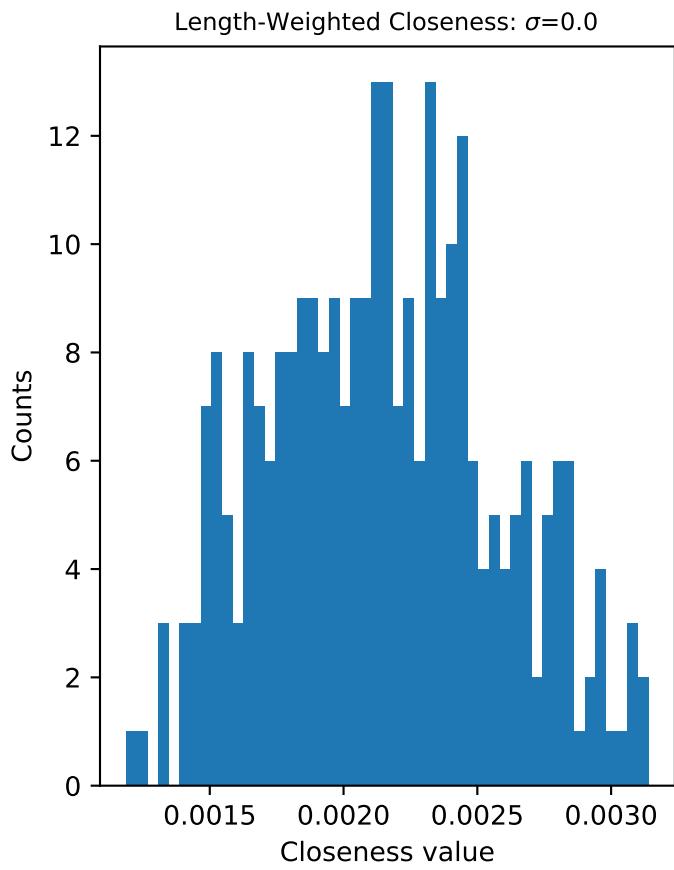
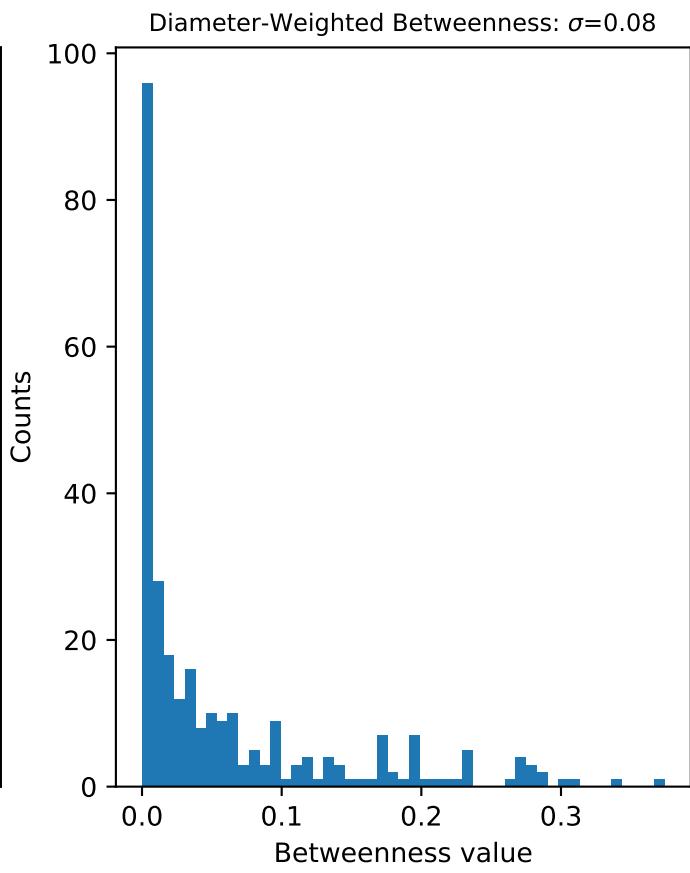
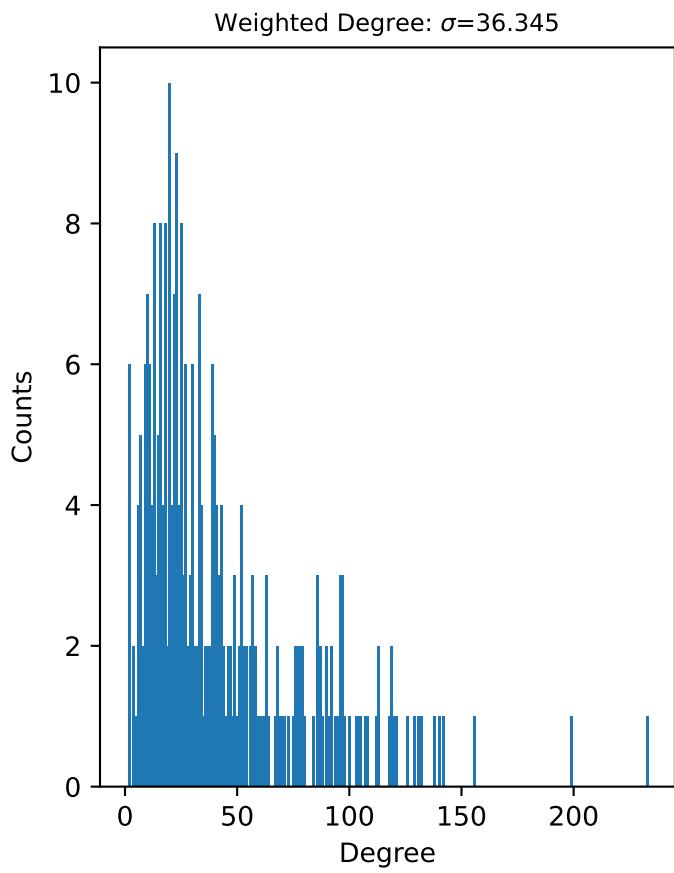




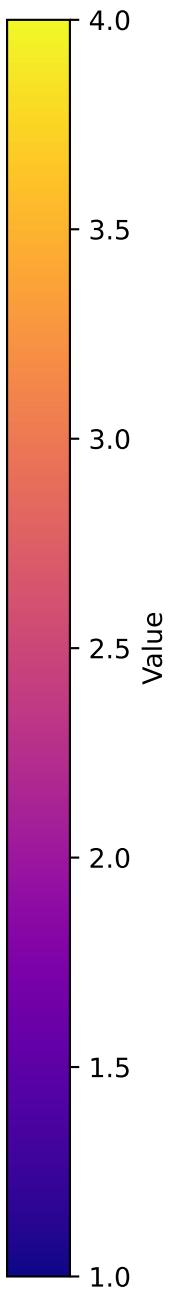
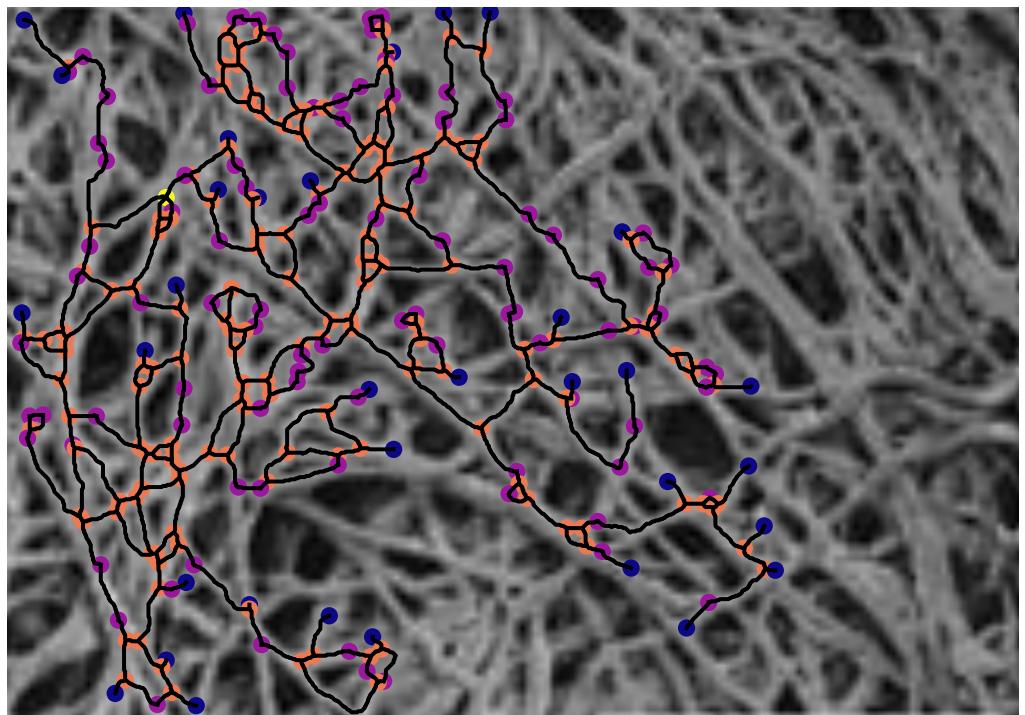




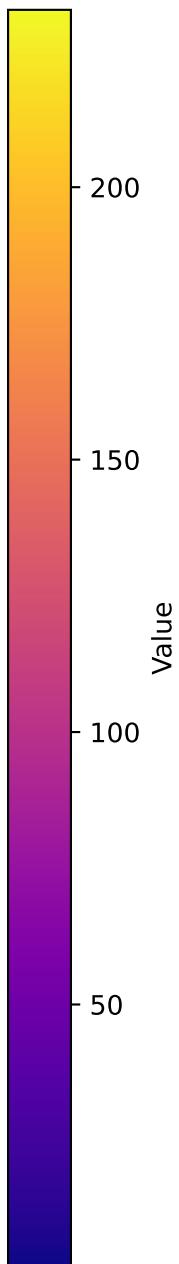
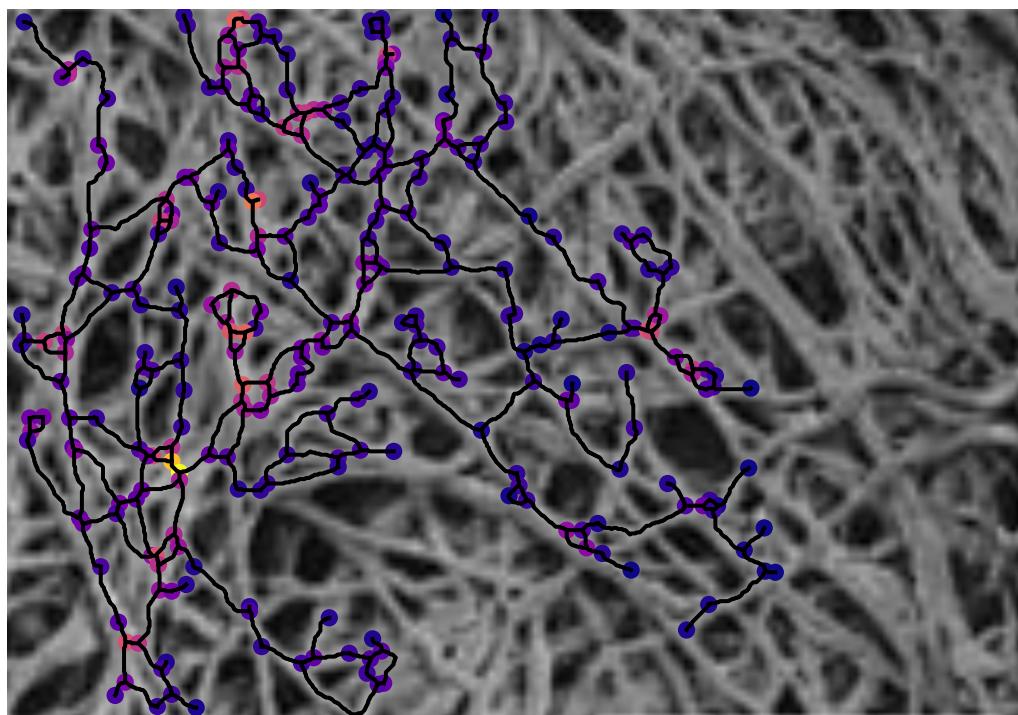




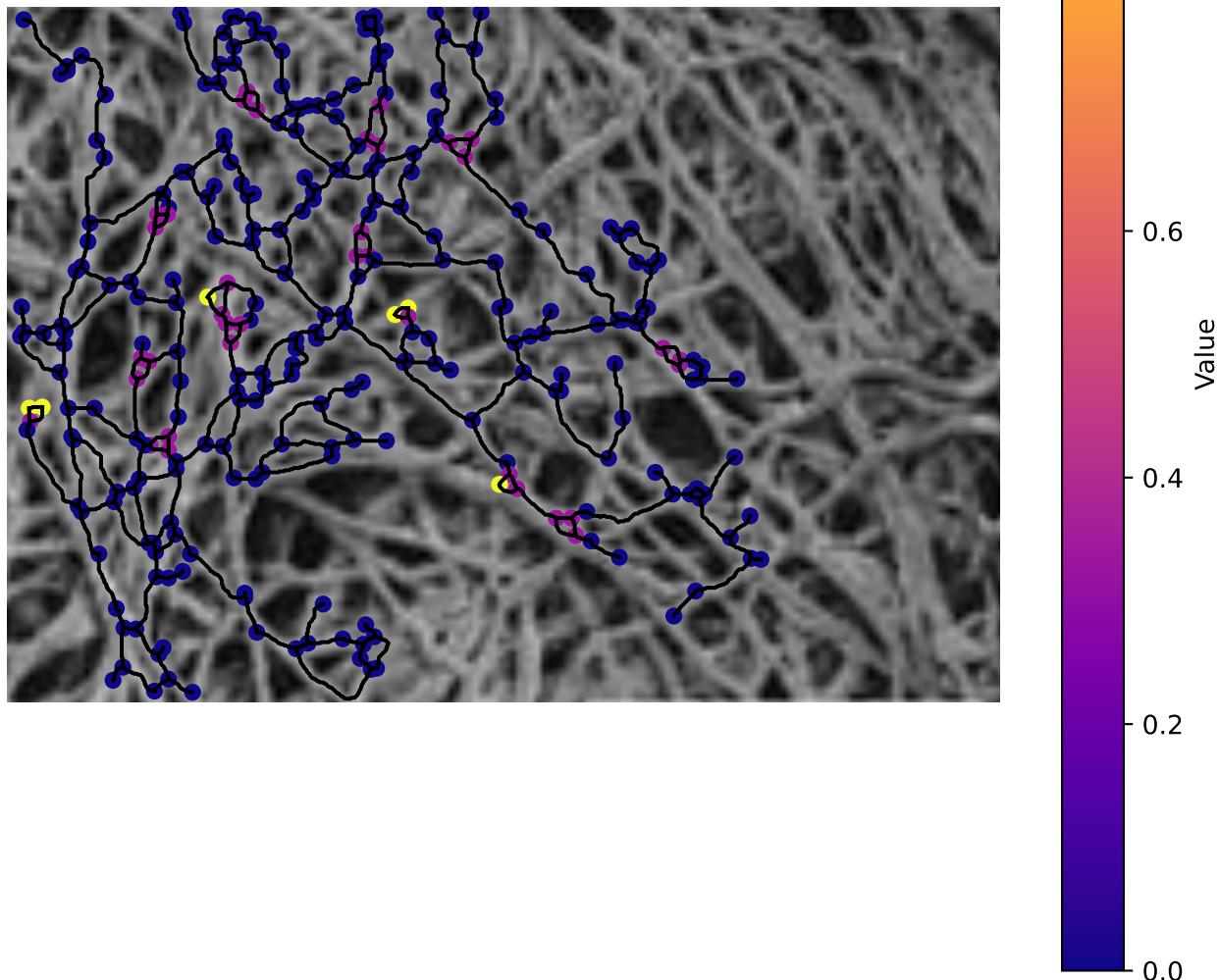
Degree Heatmap



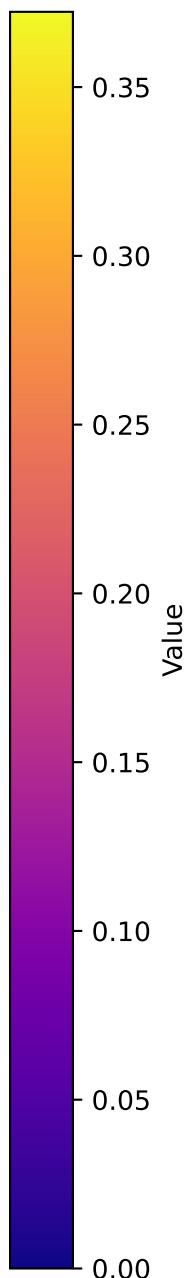
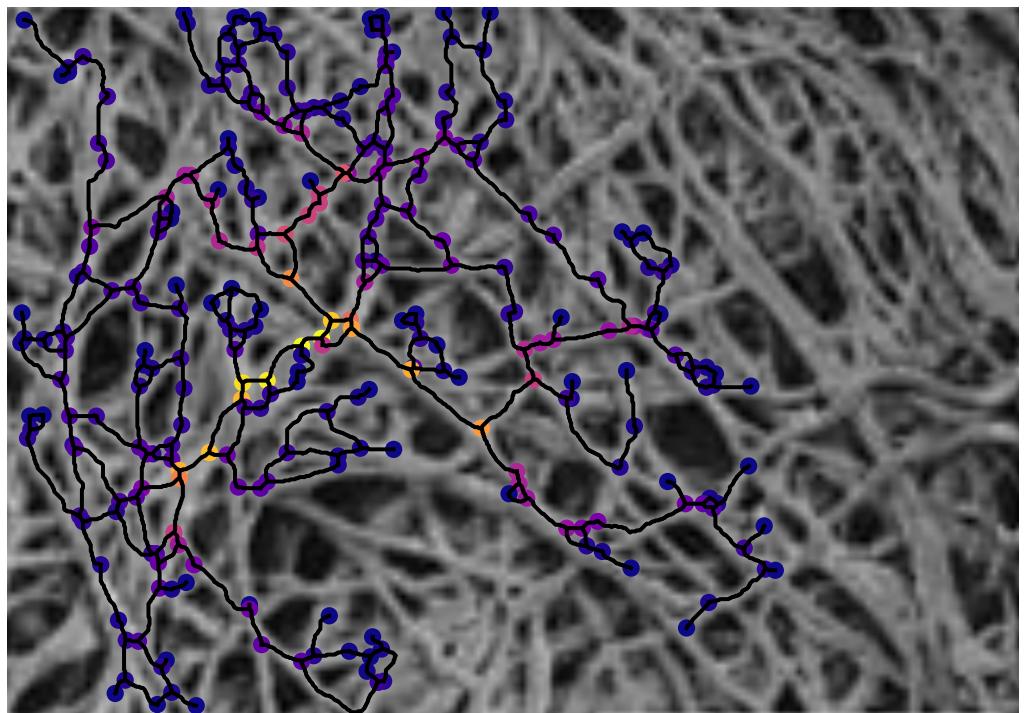
Weighted Degree Heatmap



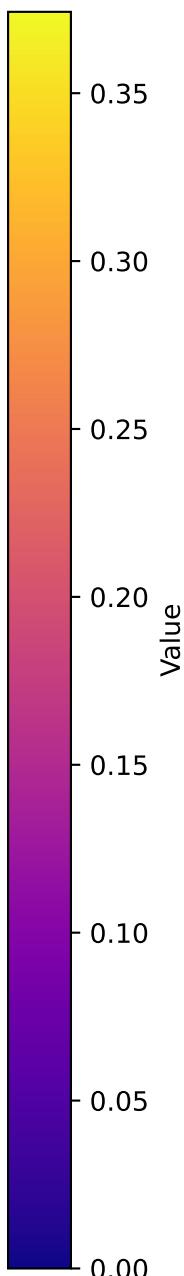
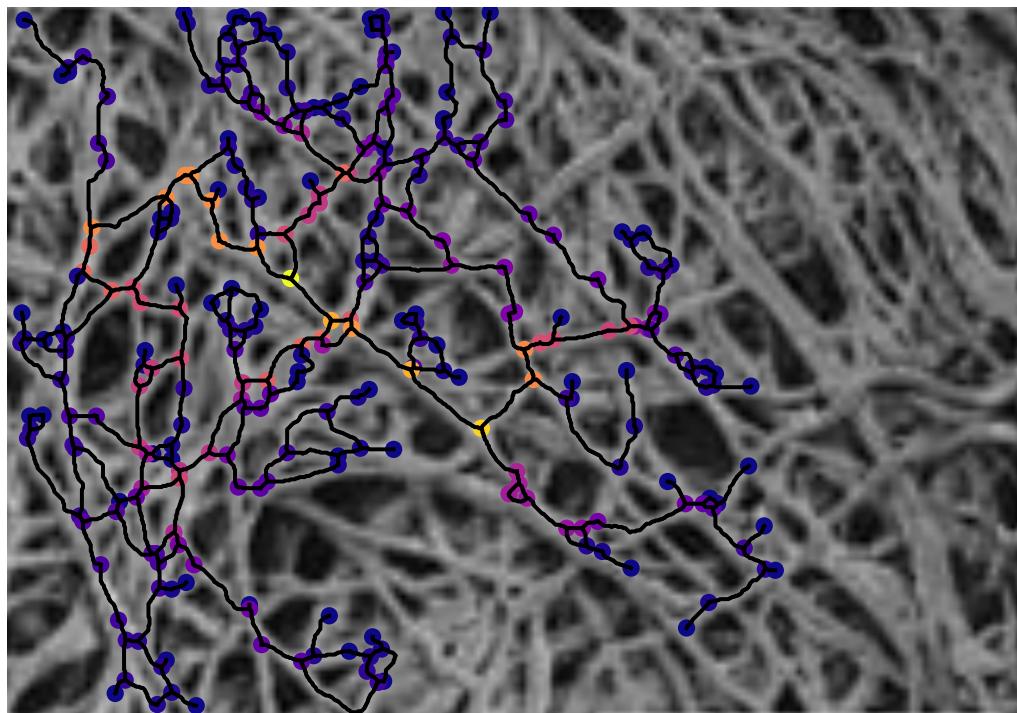
Clustering Coefficient Heatmap



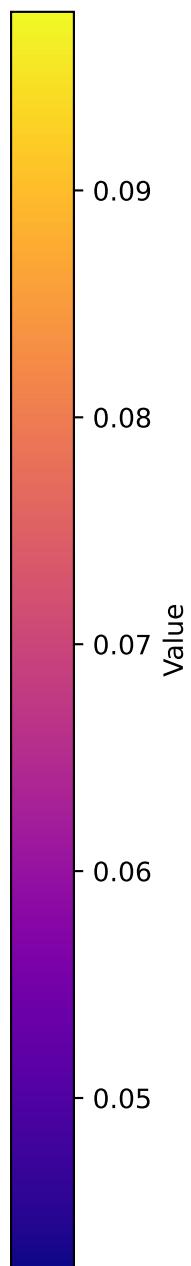
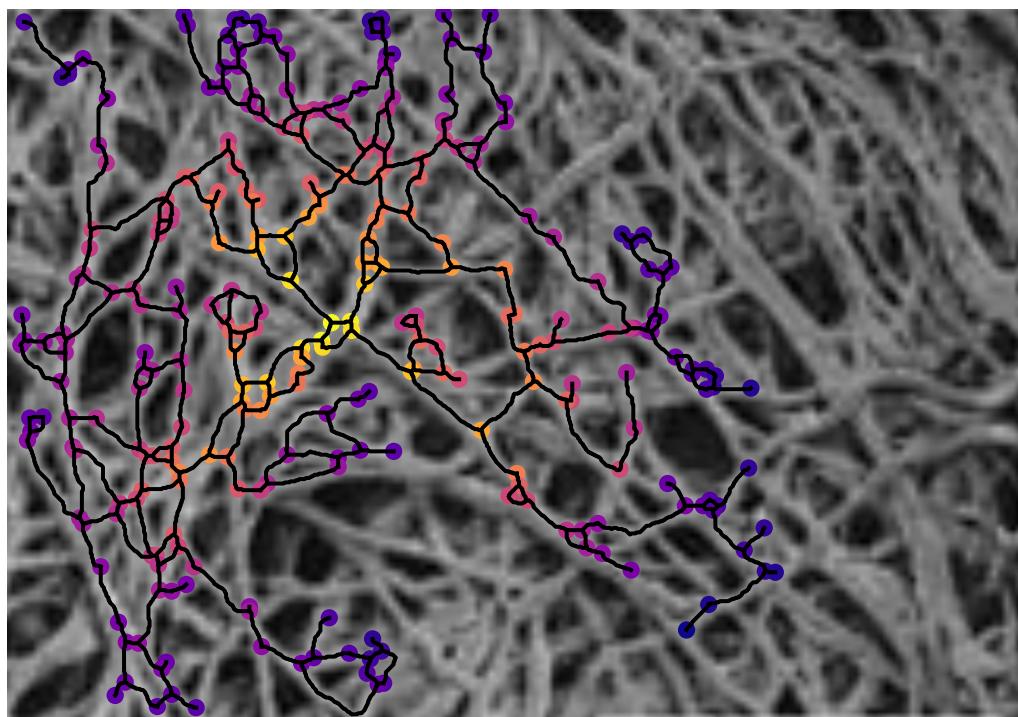
Betweenness Centrality Heatmap



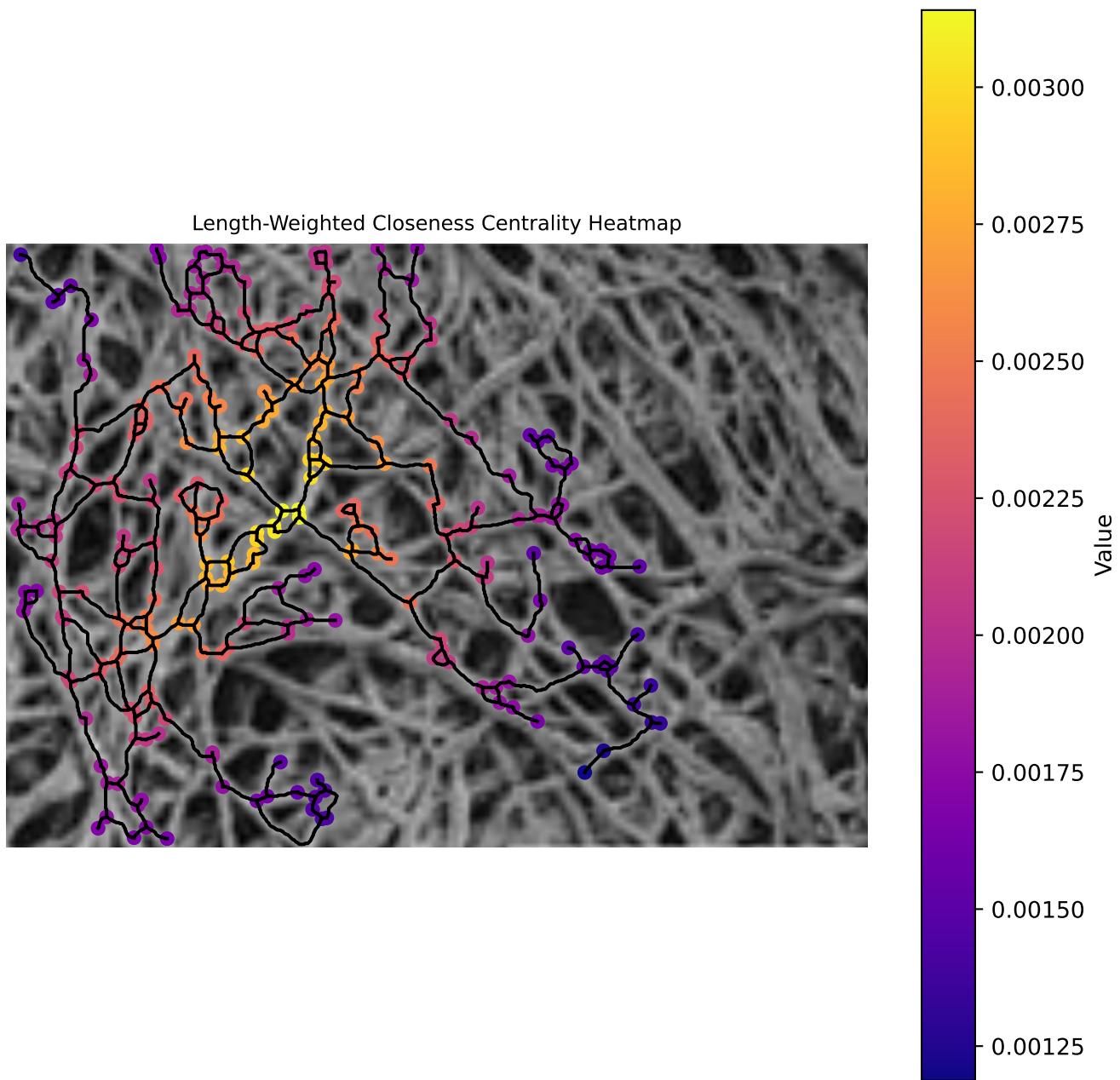
Diameter-Weighted Betweenness Centrality Heatmap



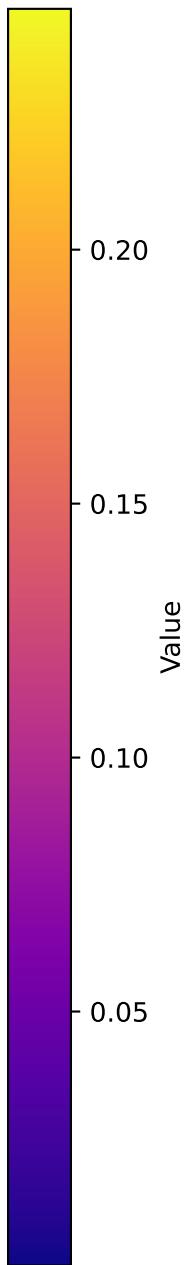
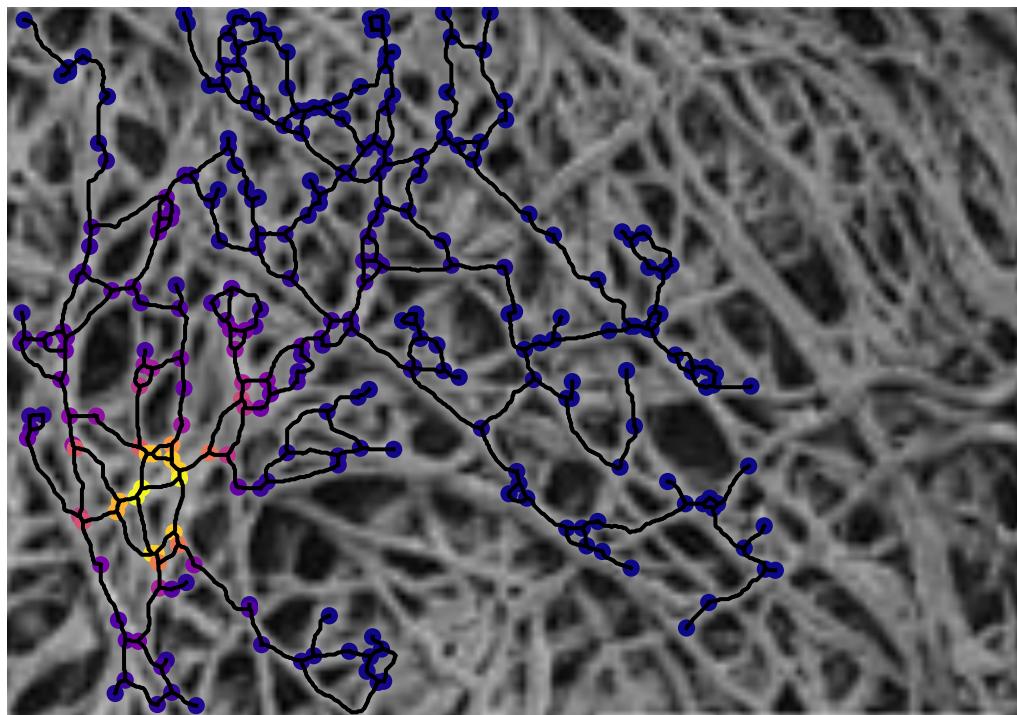
Closeness Centrality Heatmap



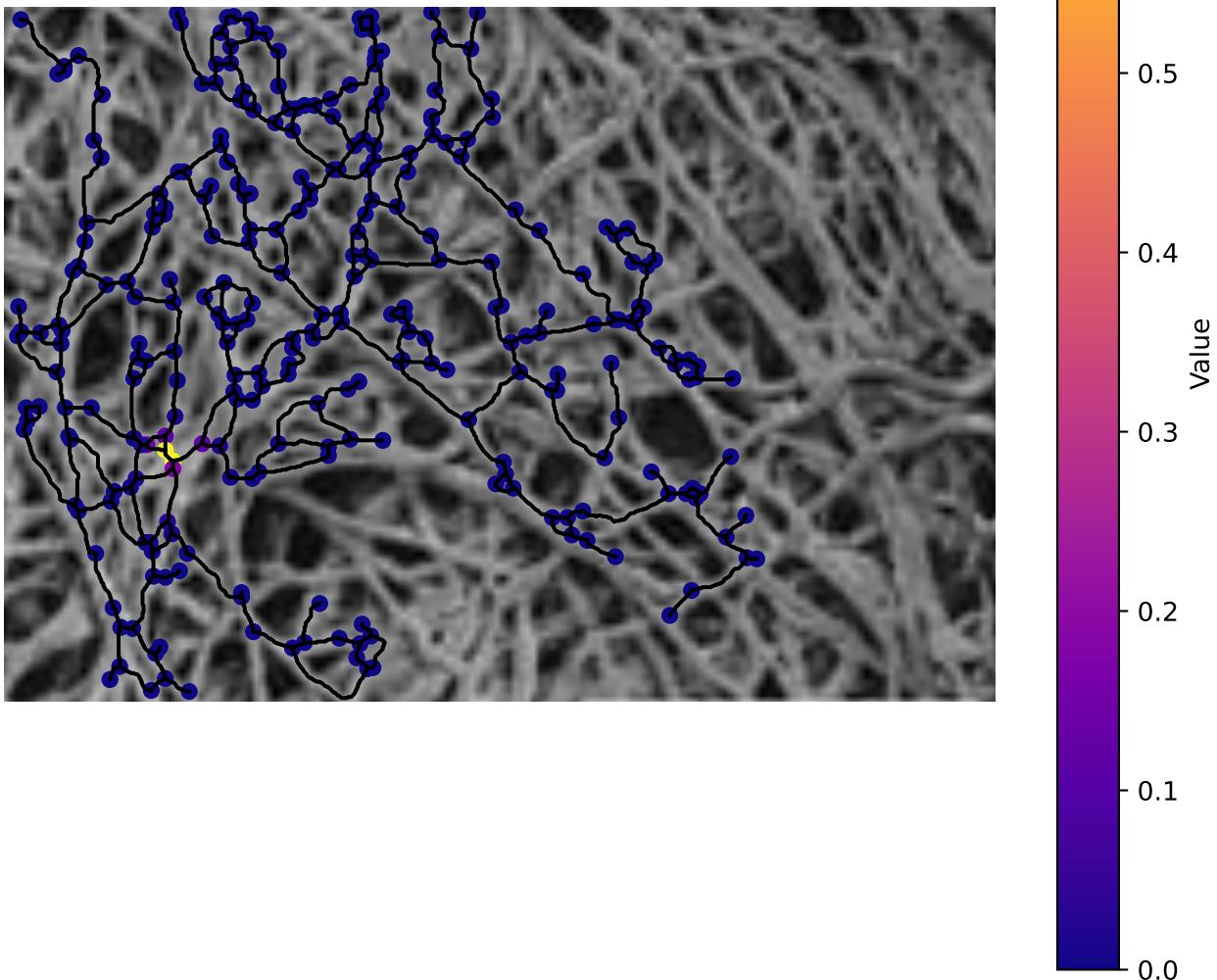
Length-Weighted Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



Diameter-Weighted Eigenvector Centrality Heatmap



Run Info

InVitroBioFilm.png
2025-06-04 10:54:35

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
Weight Type: Diameter || Merge Nodes || Prune Dangling Edges
Remove Objects of Size = 500 || Remove Self Loops