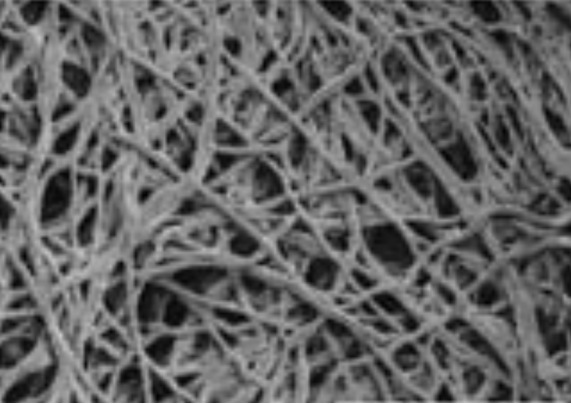
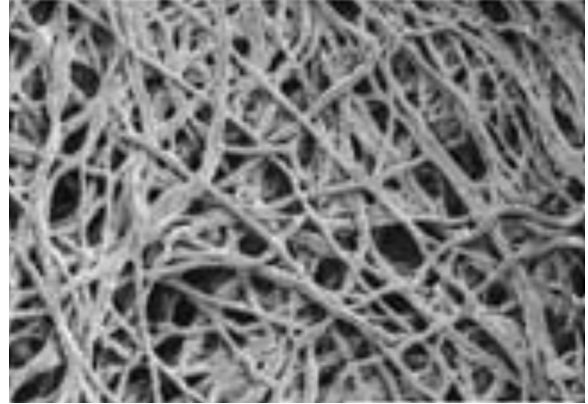


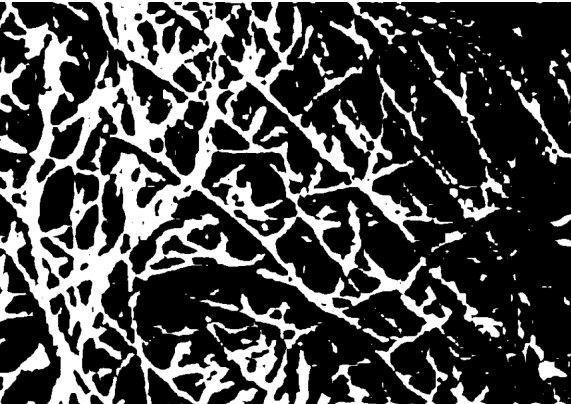
Original Image



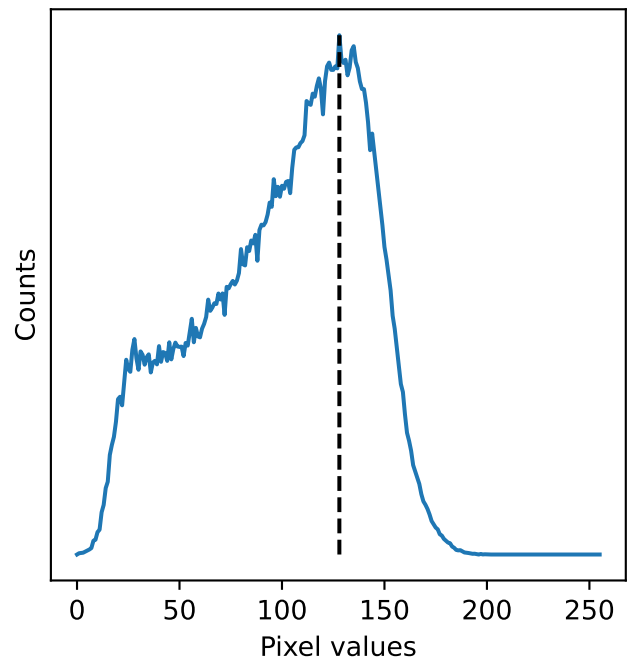
Processed Image



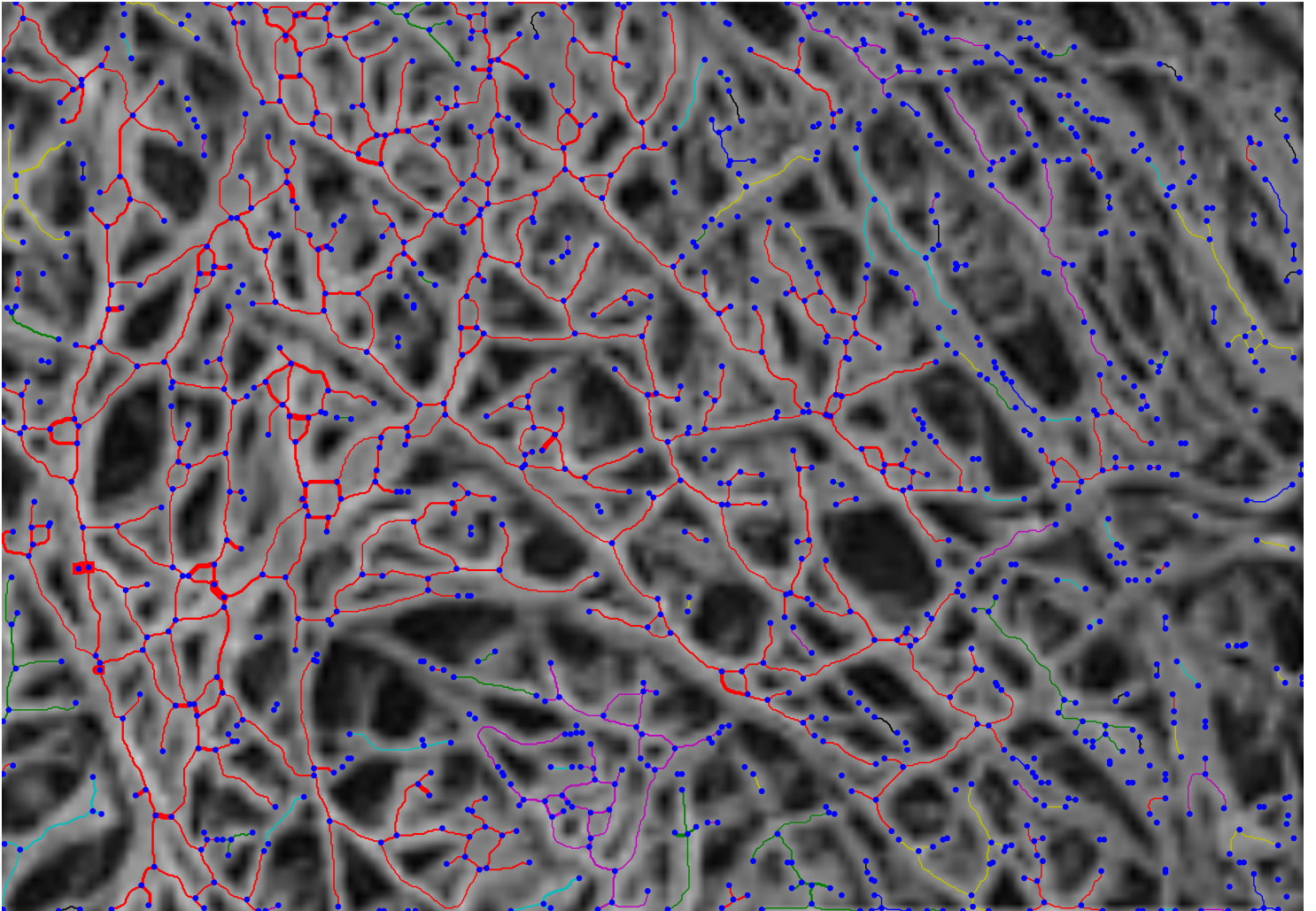
Binary Image



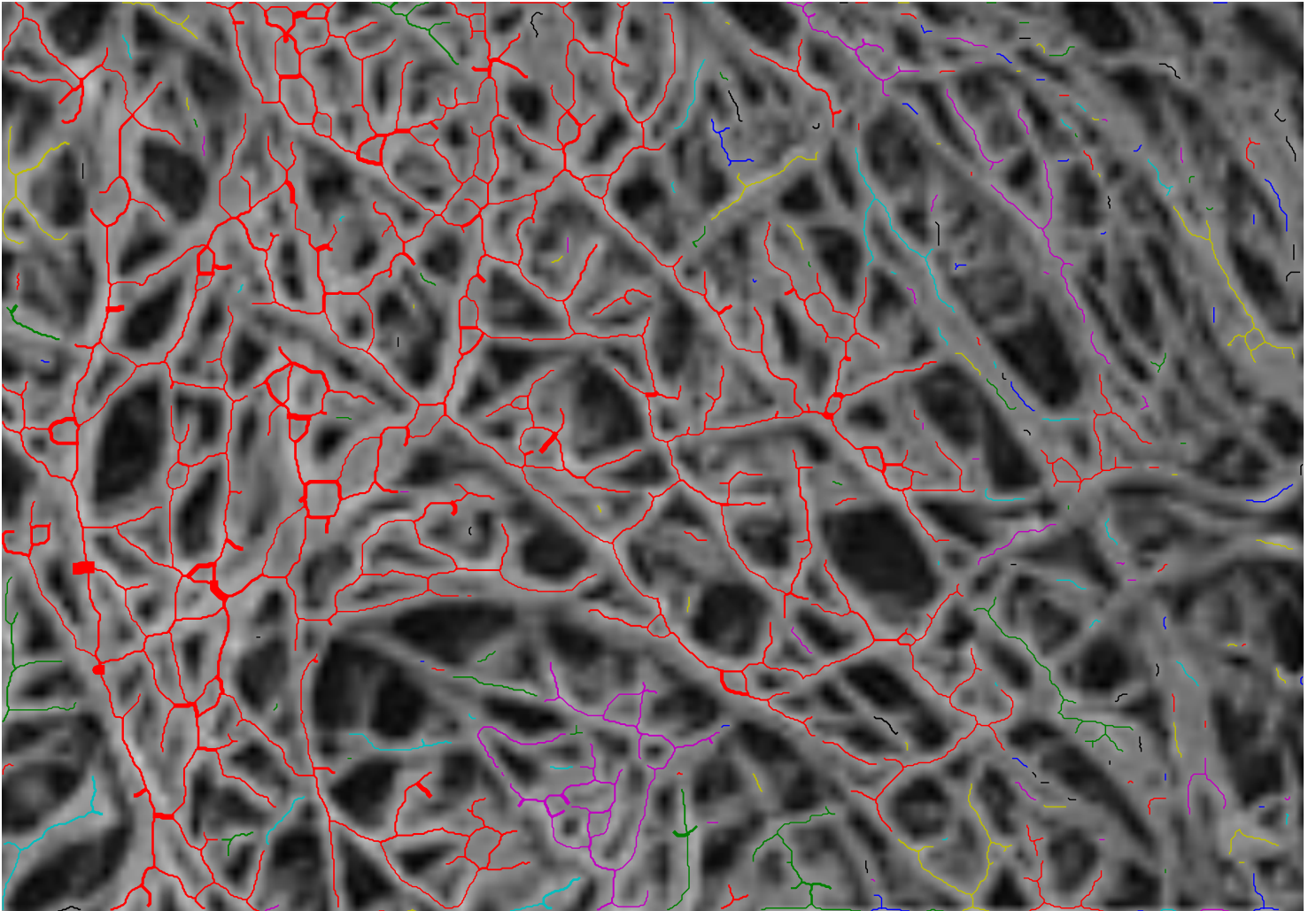
Histogram of Processed Image



Graph Node Plot



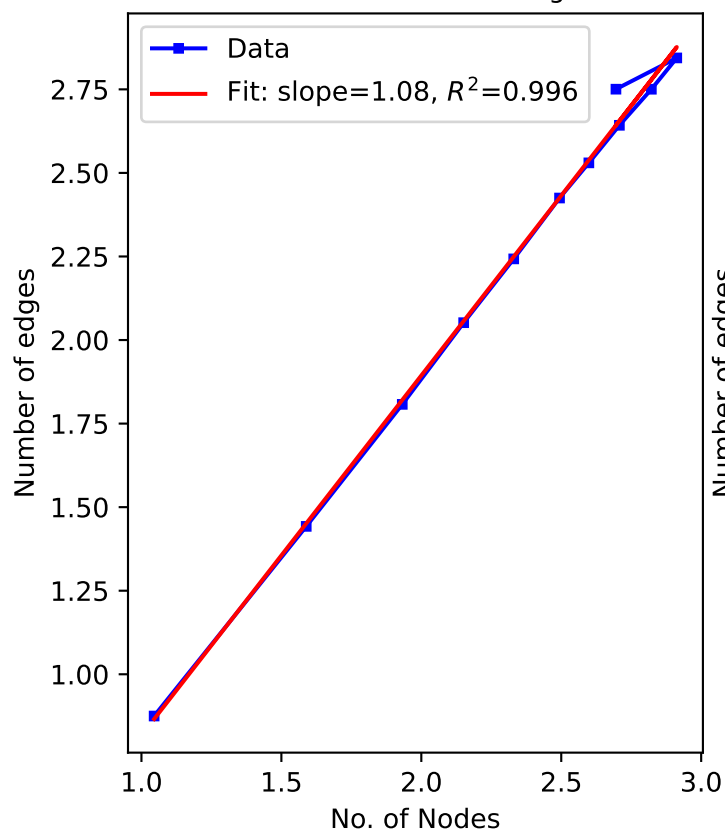
Graph Edge Plot



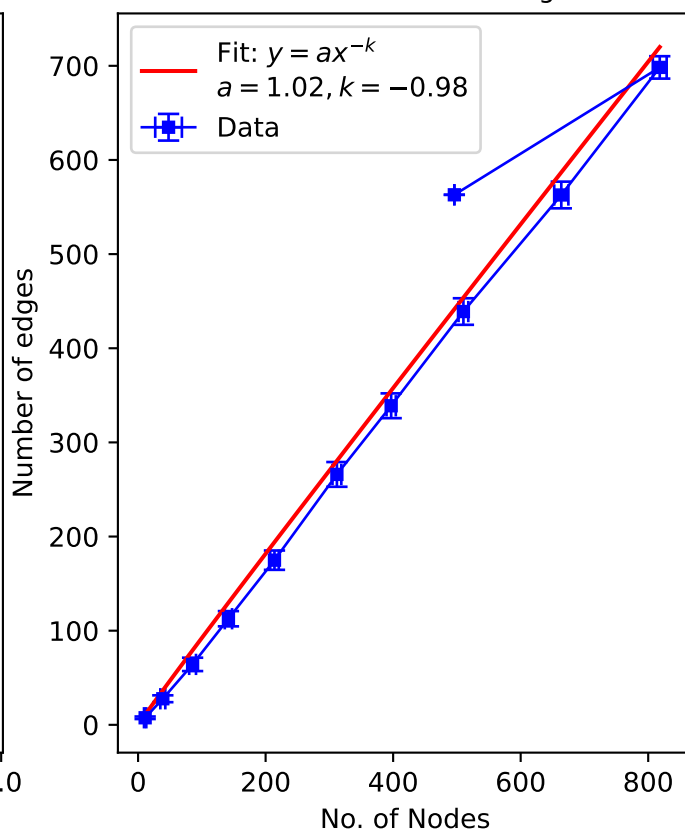
Unweighted GT parameters

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

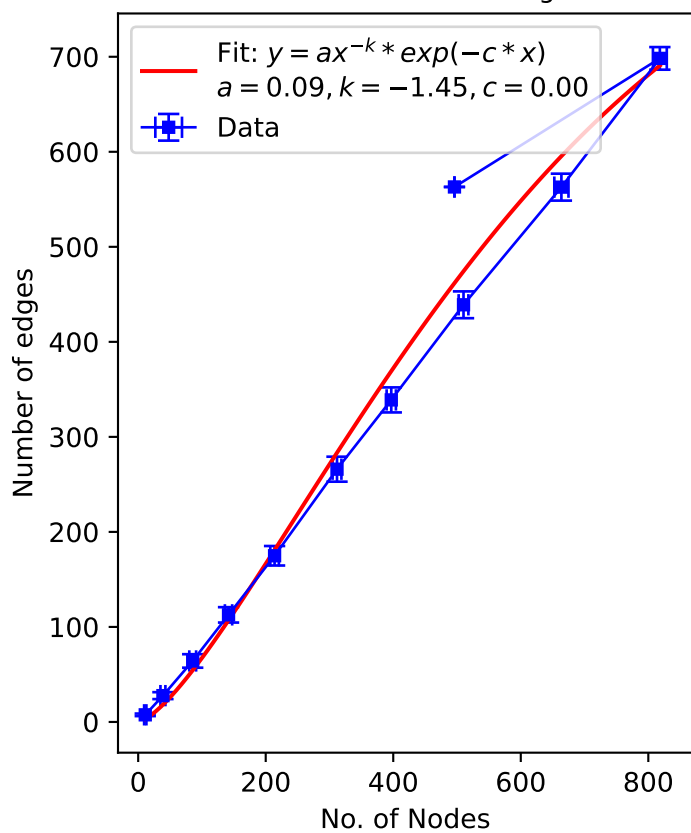
Log-Log Plot of
Nodes vs Number of edges



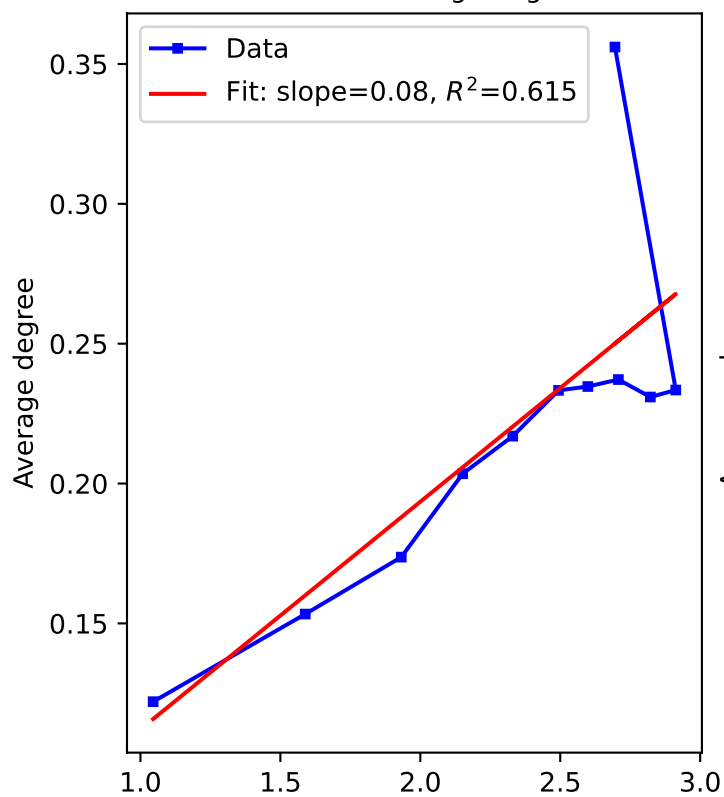
Power Law Fit and Plot of
Nodes vs Number of edges



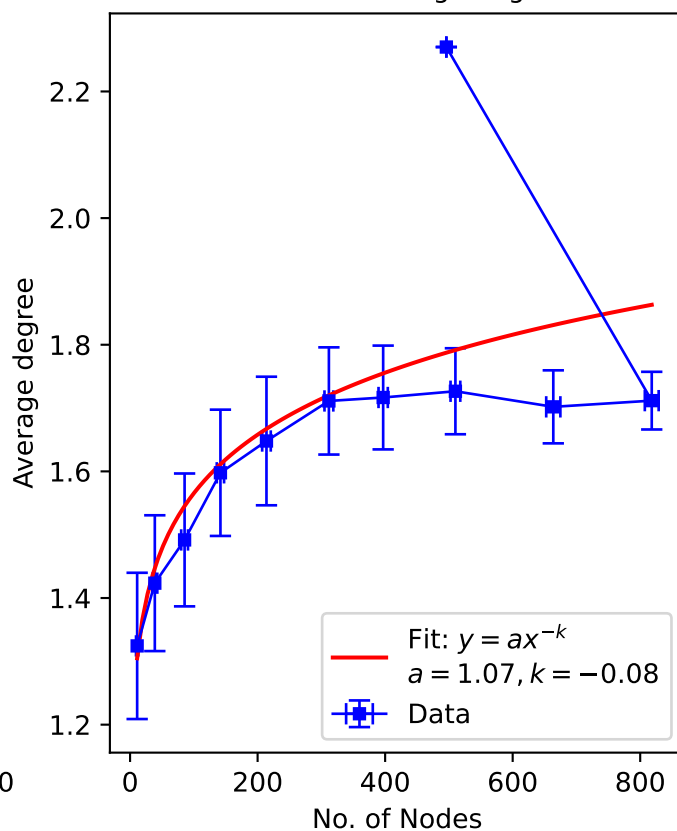
Truncated Power Law Fit and Plot of
Nodes vs Number of edges



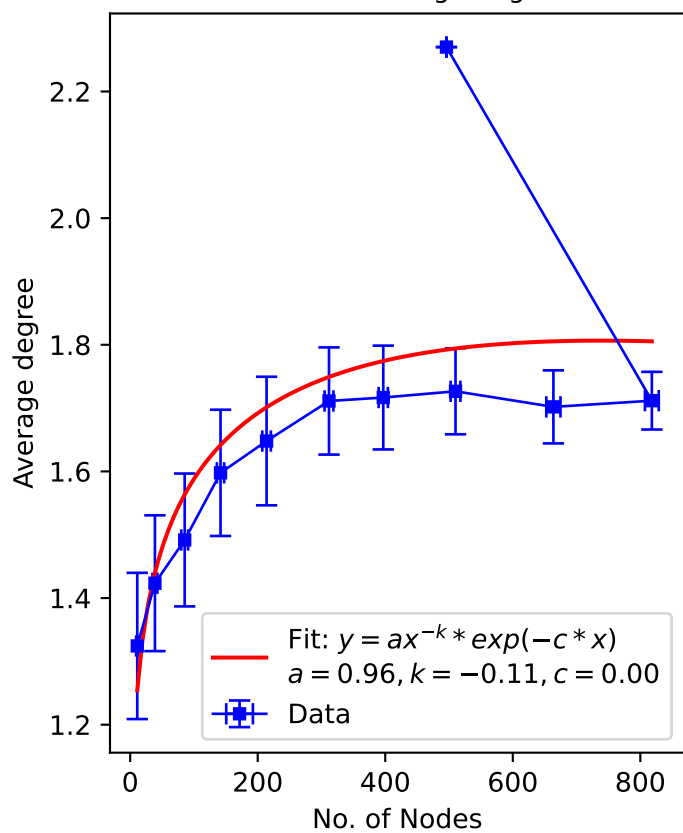
Log-Log Plot of
Nodes vs Average degree

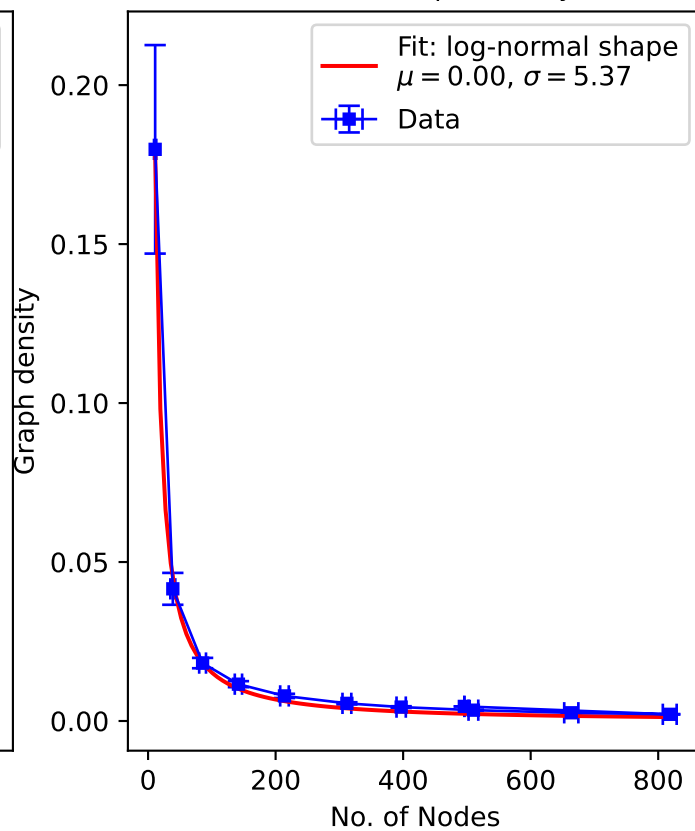
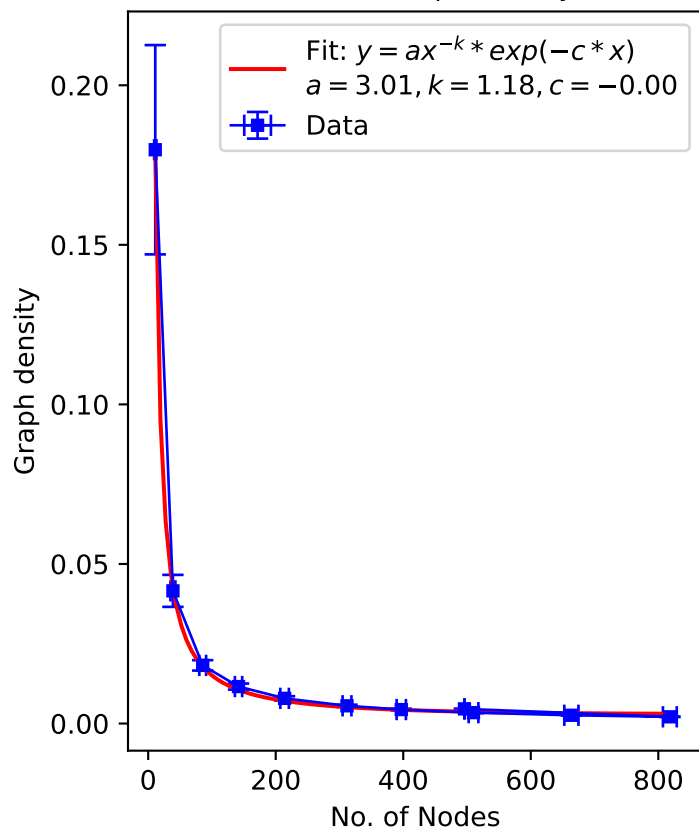
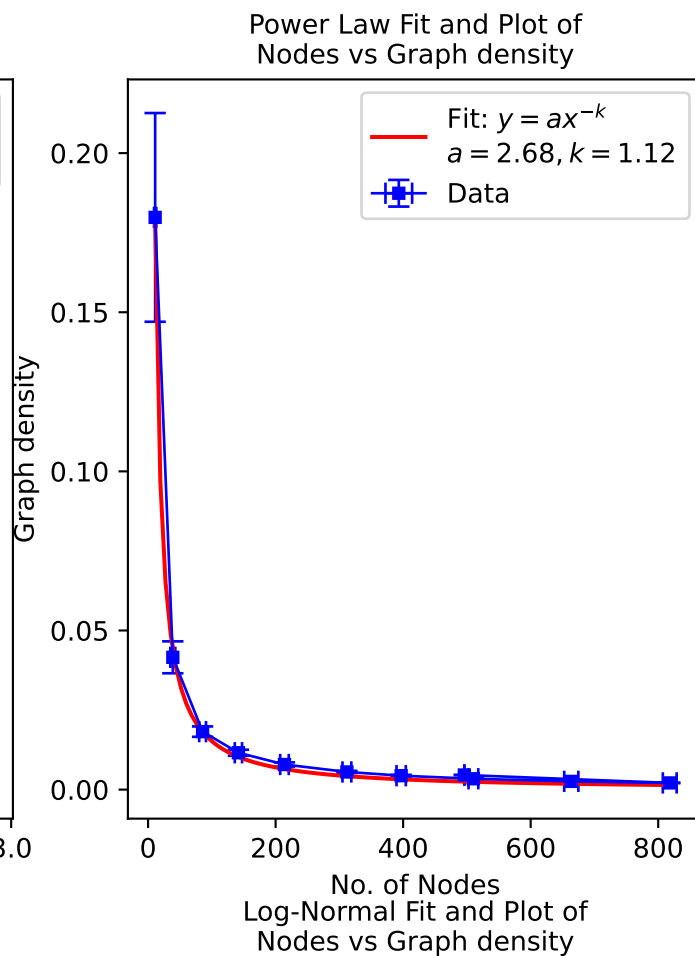
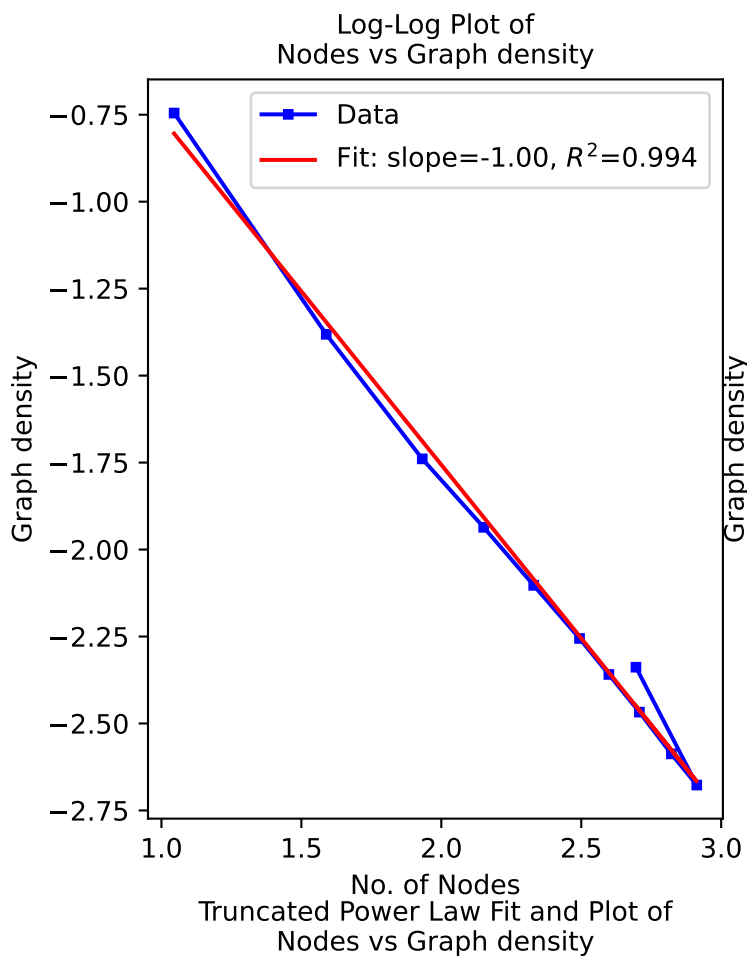


Power Law Fit and Plot of
Nodes vs Average degree

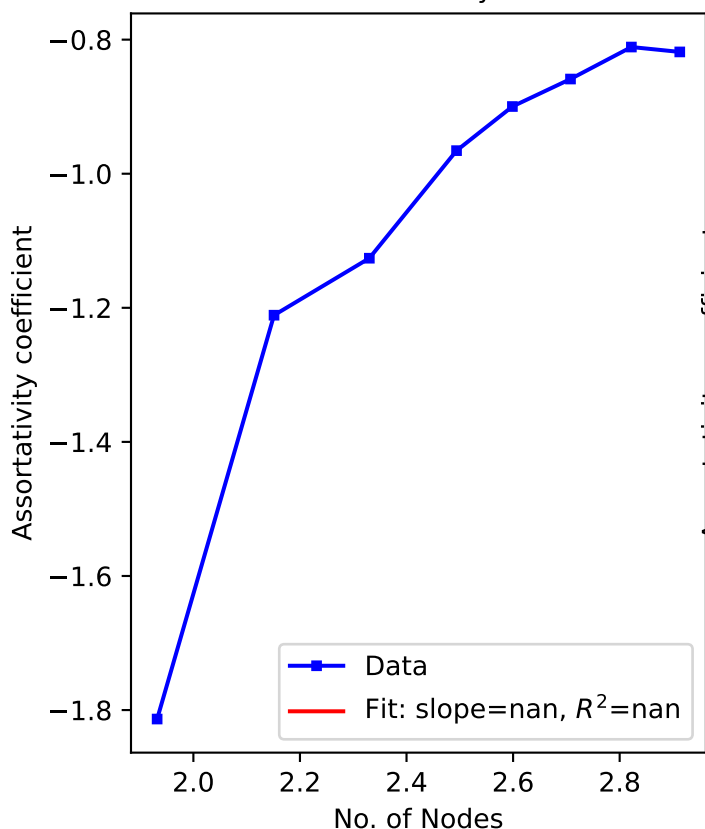


Truncated Power Law Fit and Plot of
Nodes vs Average degree

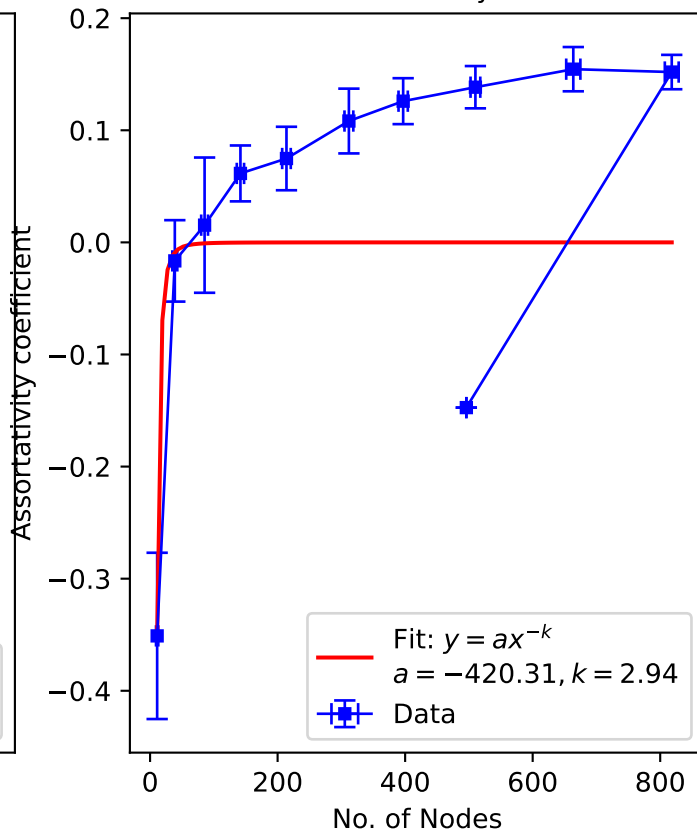




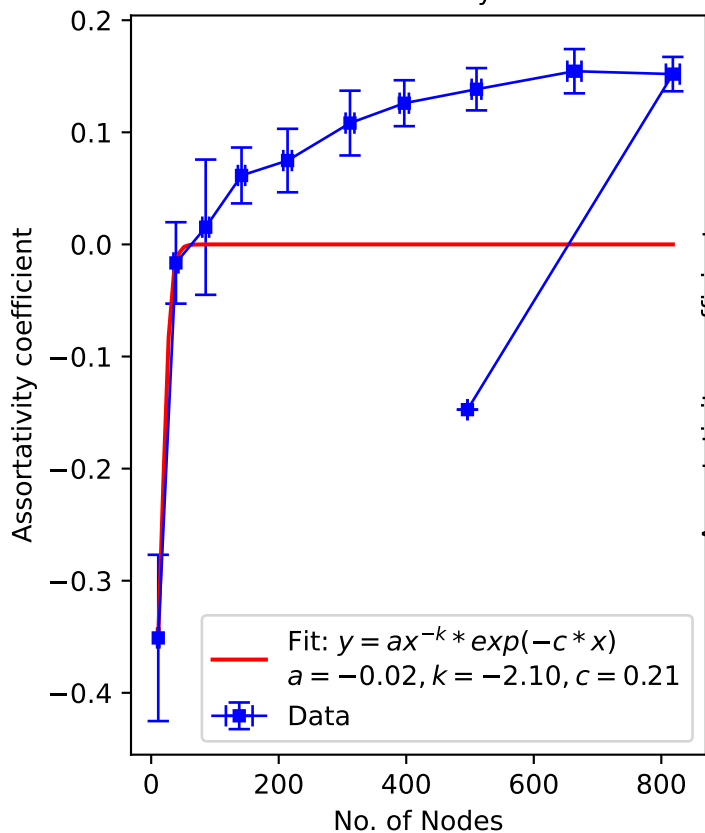
Log-Log Plot of
Nodes vs Assortativity coefficient



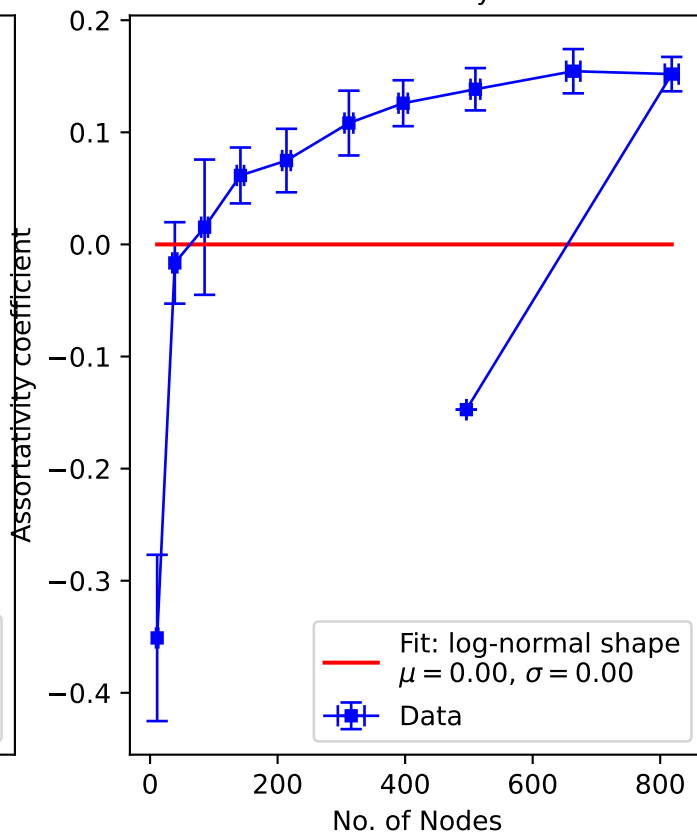
Power Law Fit and Plot of
Nodes vs Assortativity coefficient



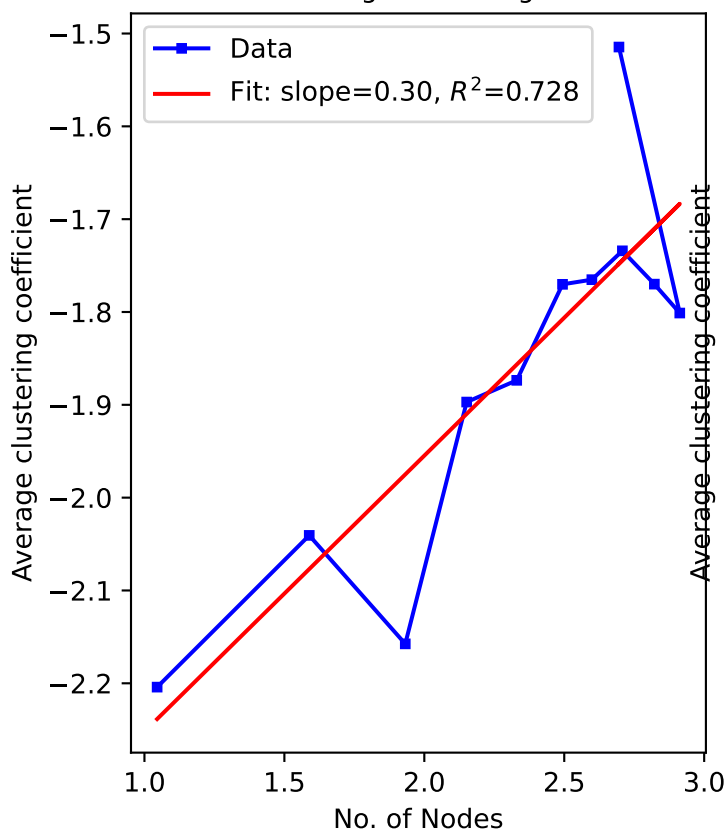
Truncated Power Law Fit and Plot of
Nodes vs Assortativity coefficient



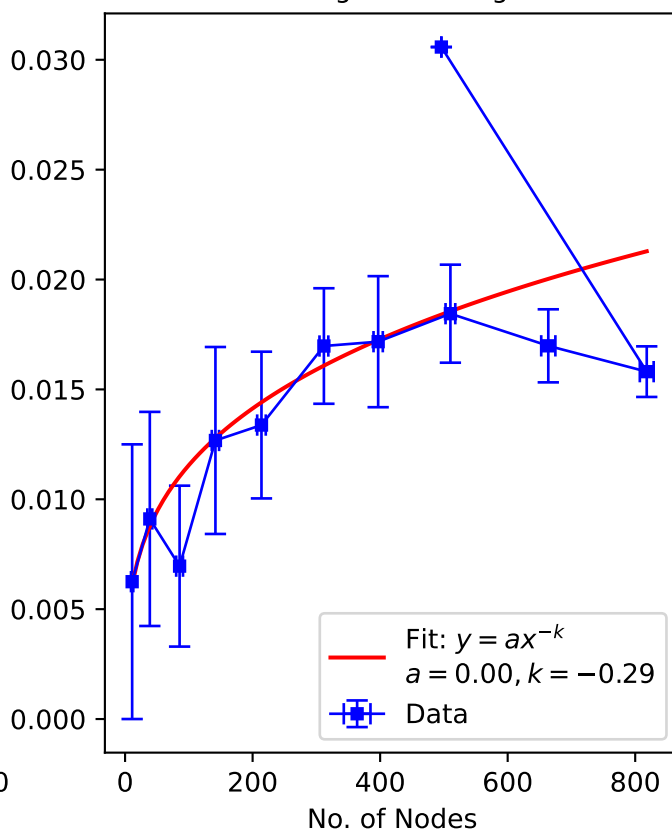
Log-Normal Fit and Plot of
Nodes vs Assortativity coefficient



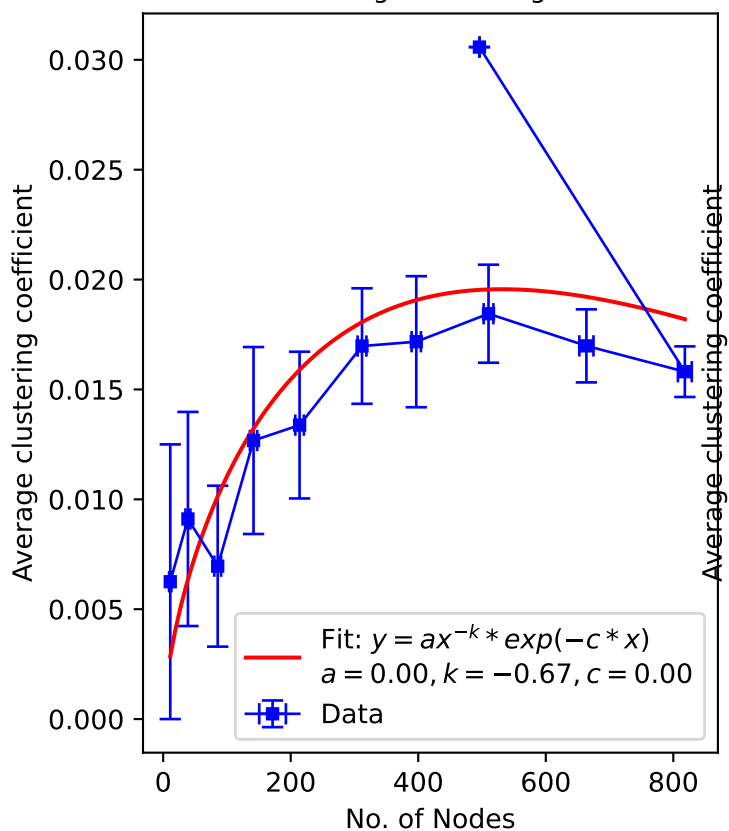
Log-Log Plot of
Nodes vs Average clustering coefficient



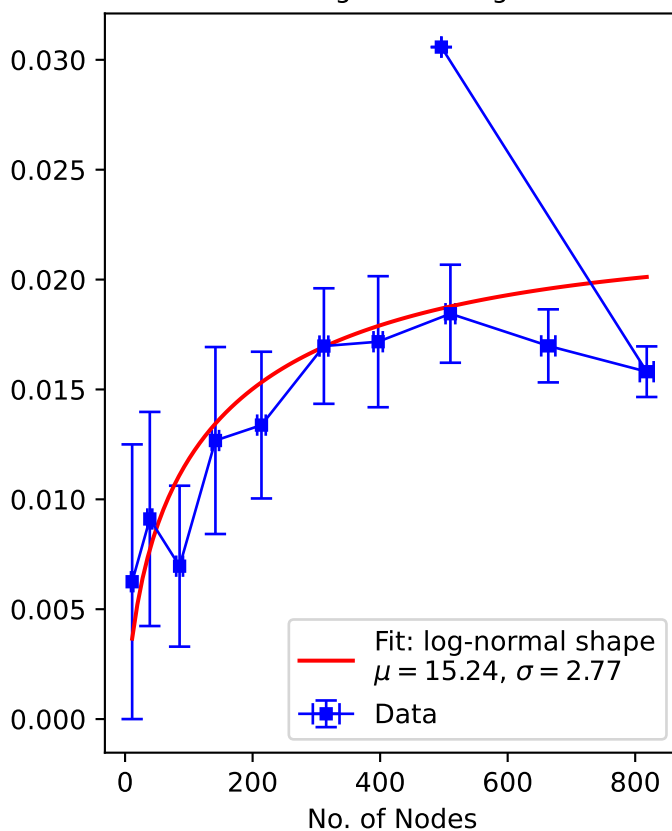
Power Law Fit and Plot of
Nodes vs Average clustering coefficient

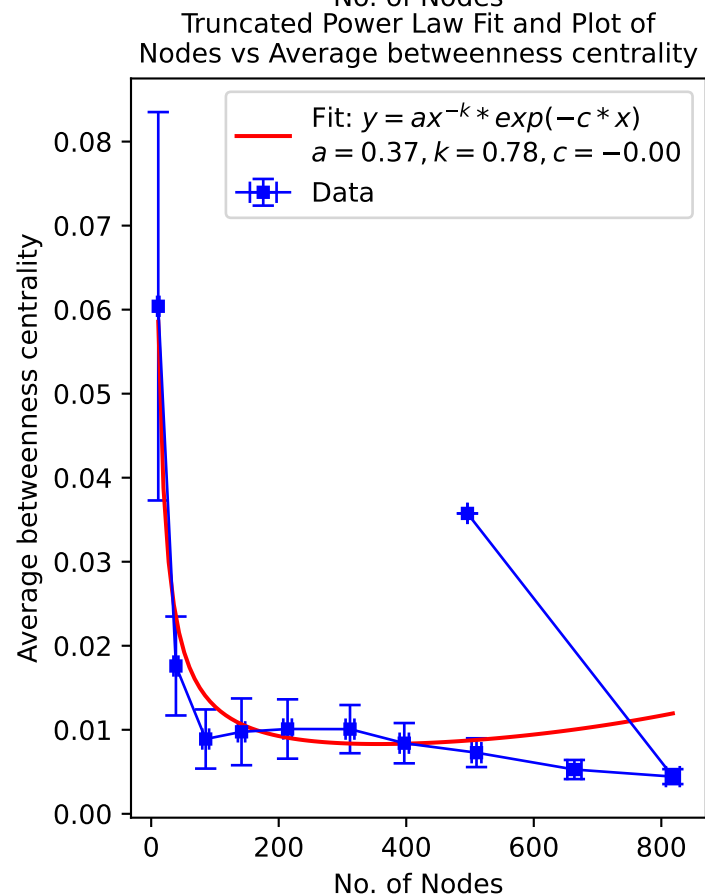
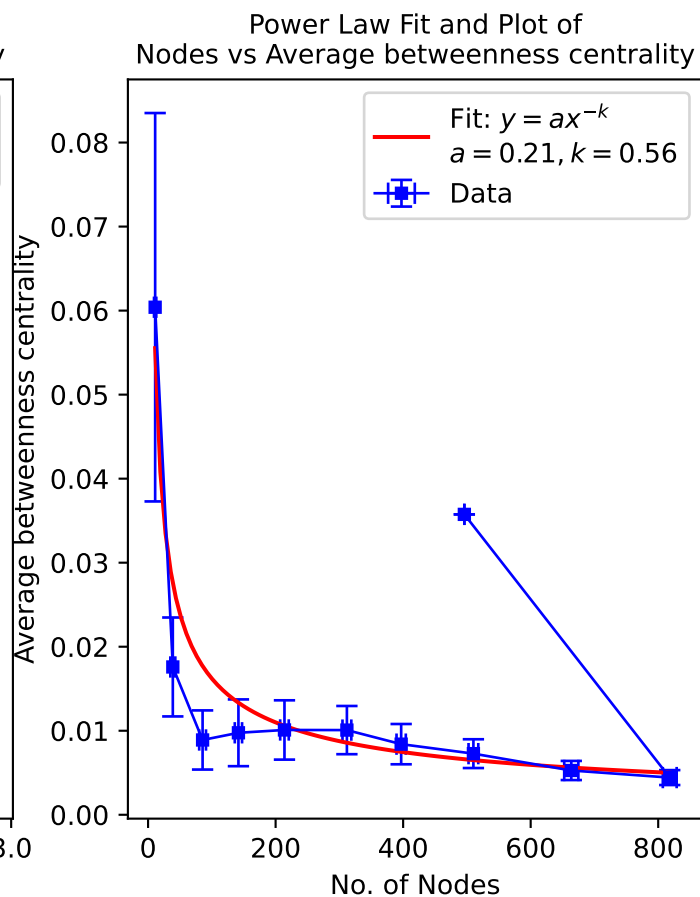
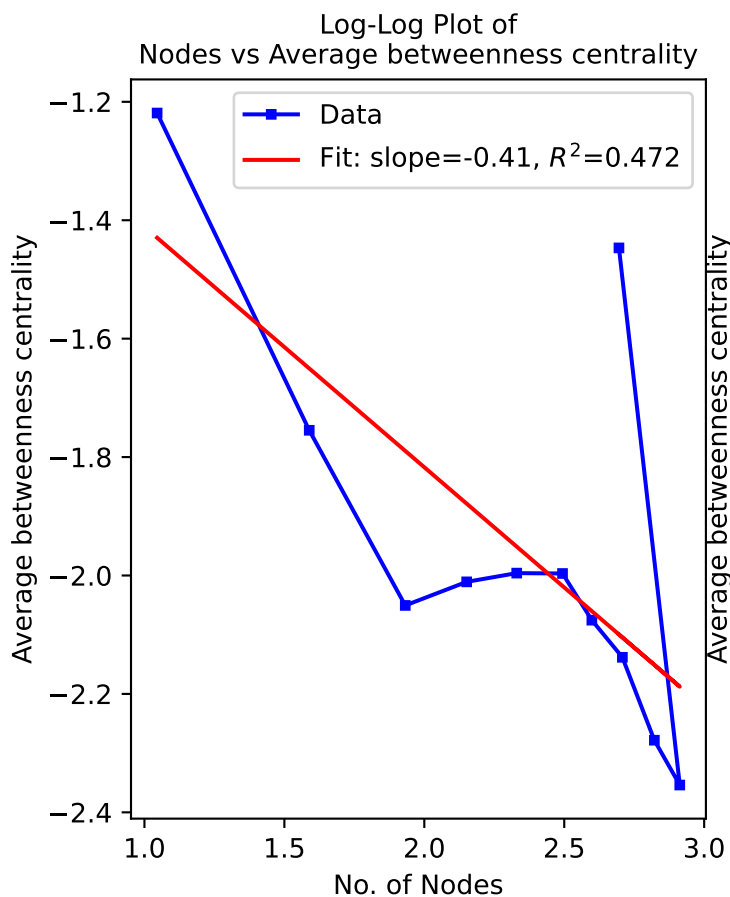


Truncated Power Law Fit and Plot of
Nodes vs Average clustering coefficient

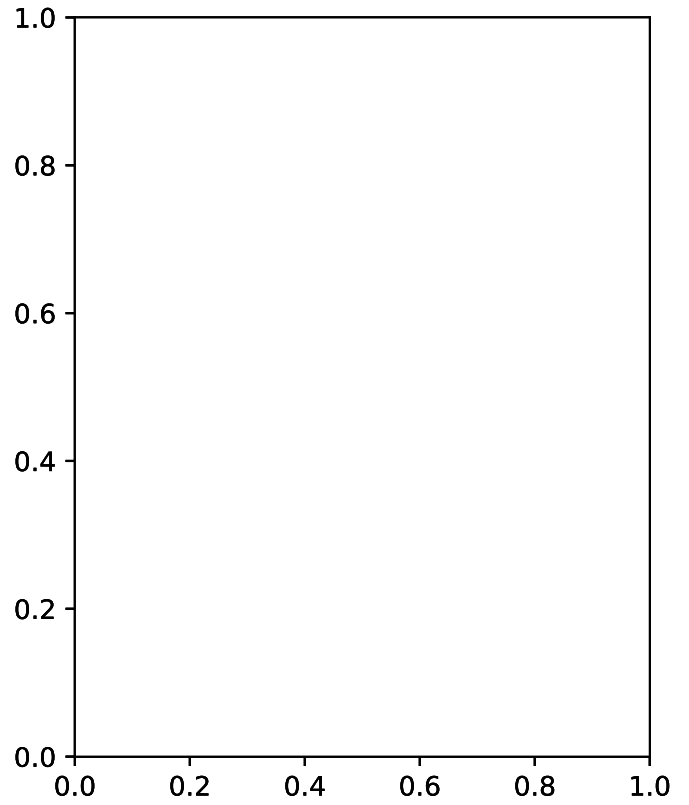
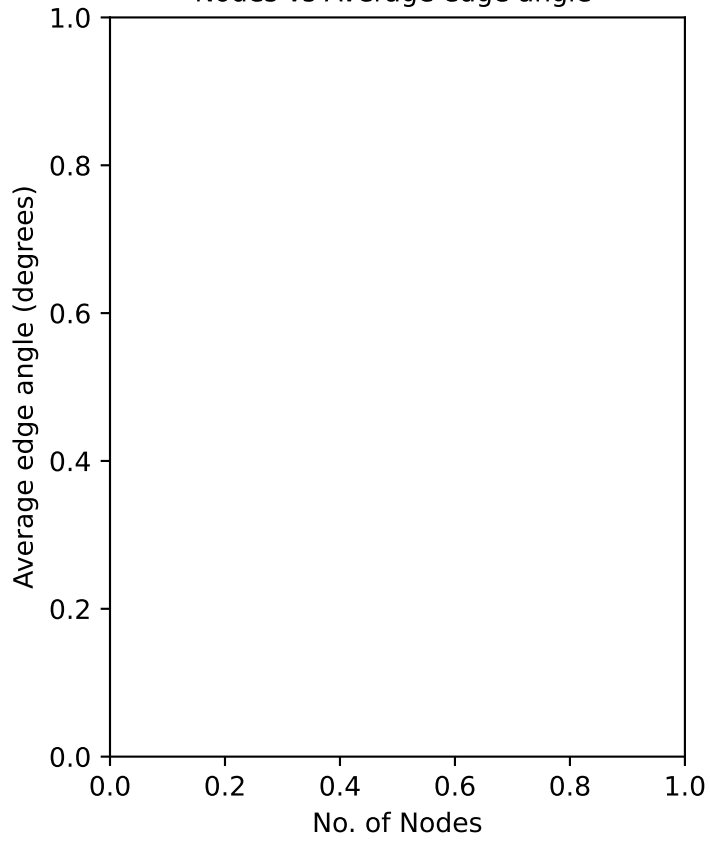


Log-Normal Fit and Plot of
Nodes vs Average clustering coefficient

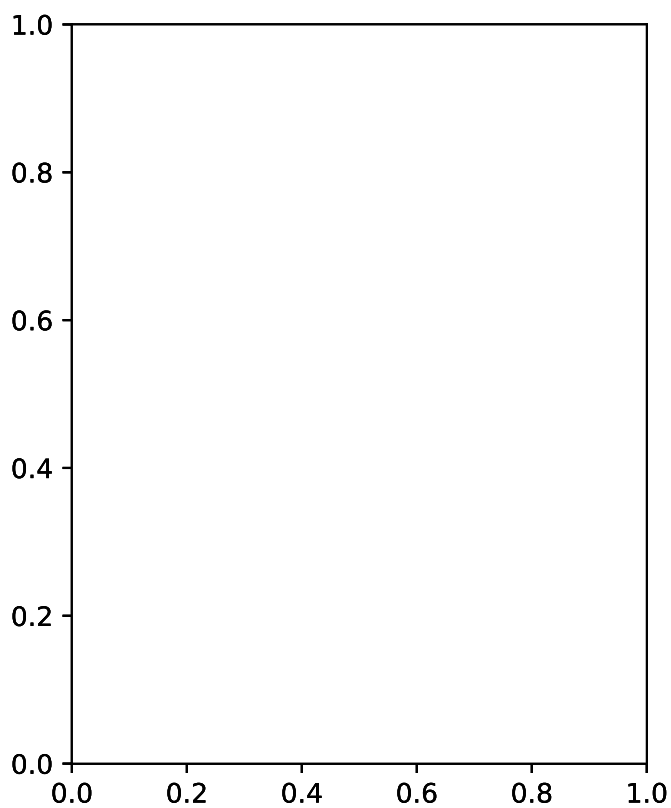
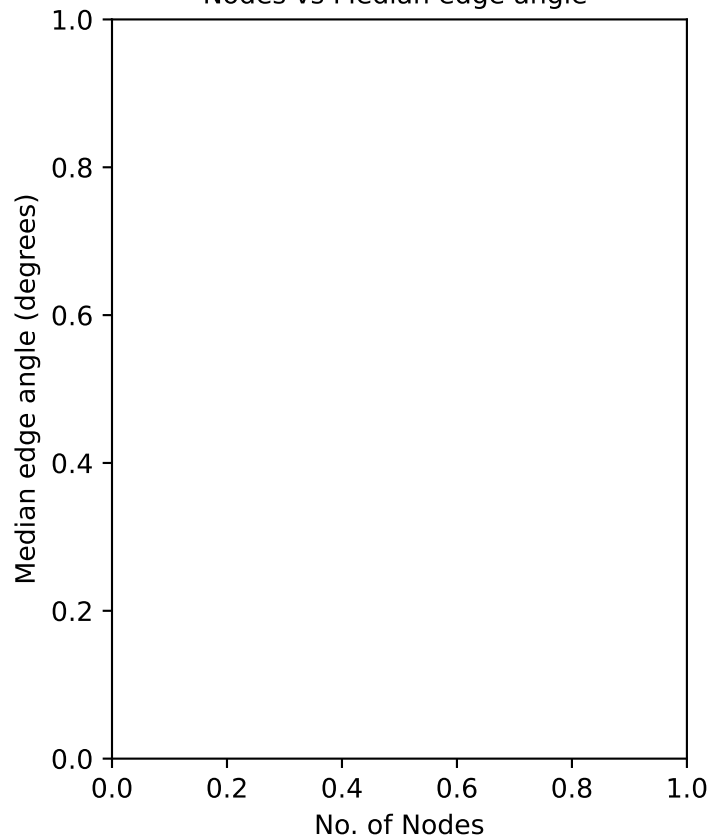


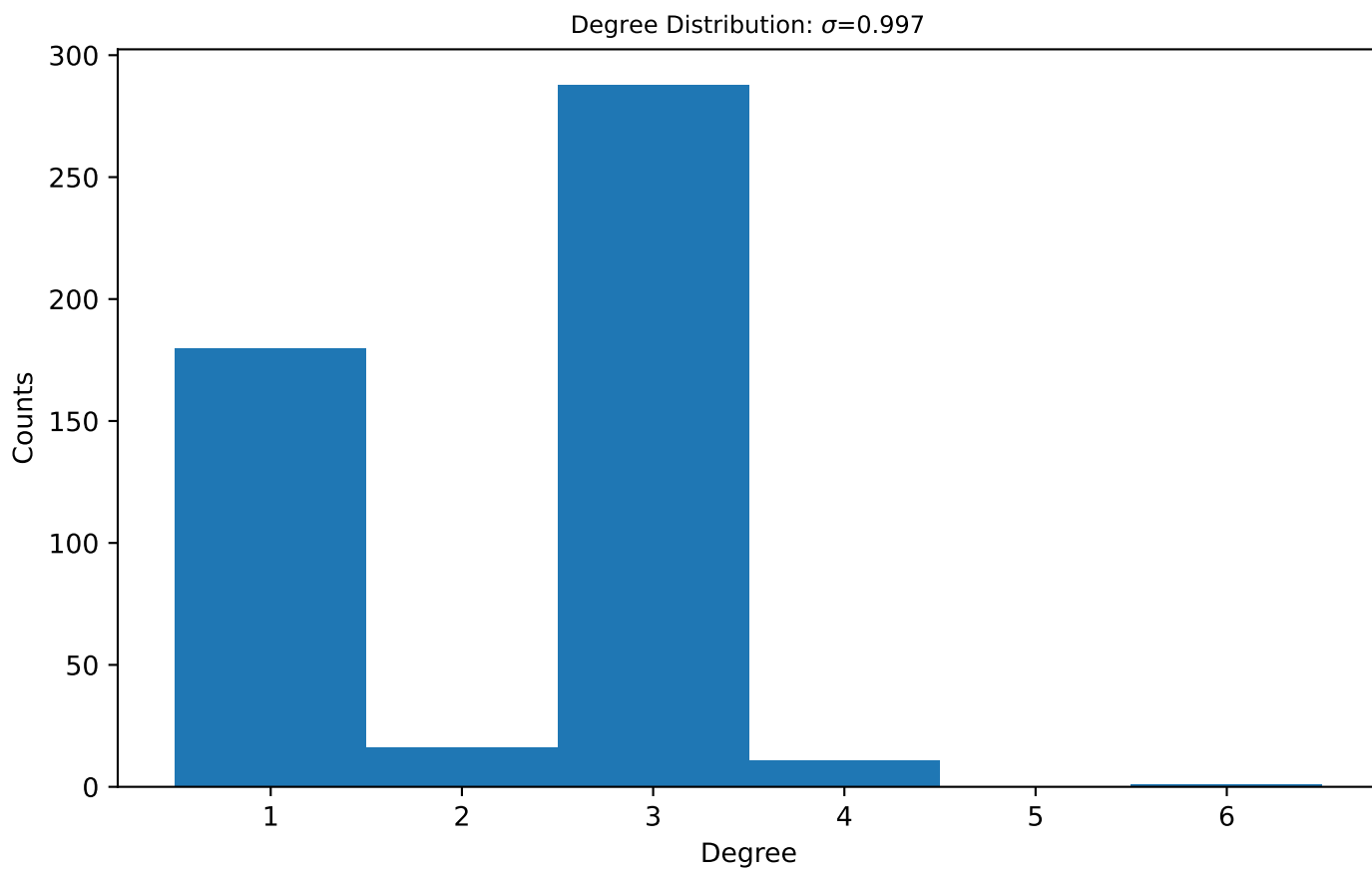


Log-Log Plot of
Nodes vs Average edge angle

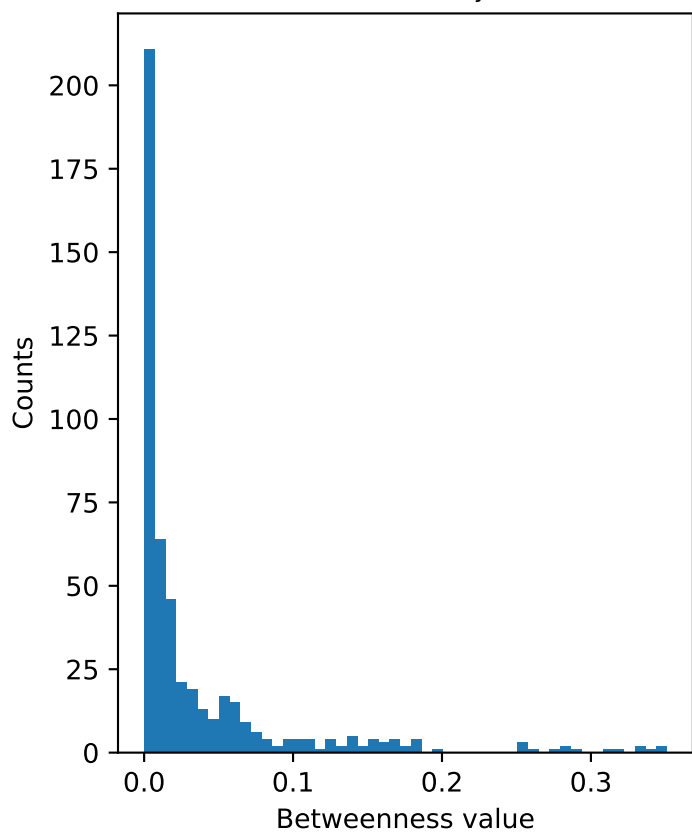


Log-Log Plot of
Nodes vs Median edge angle

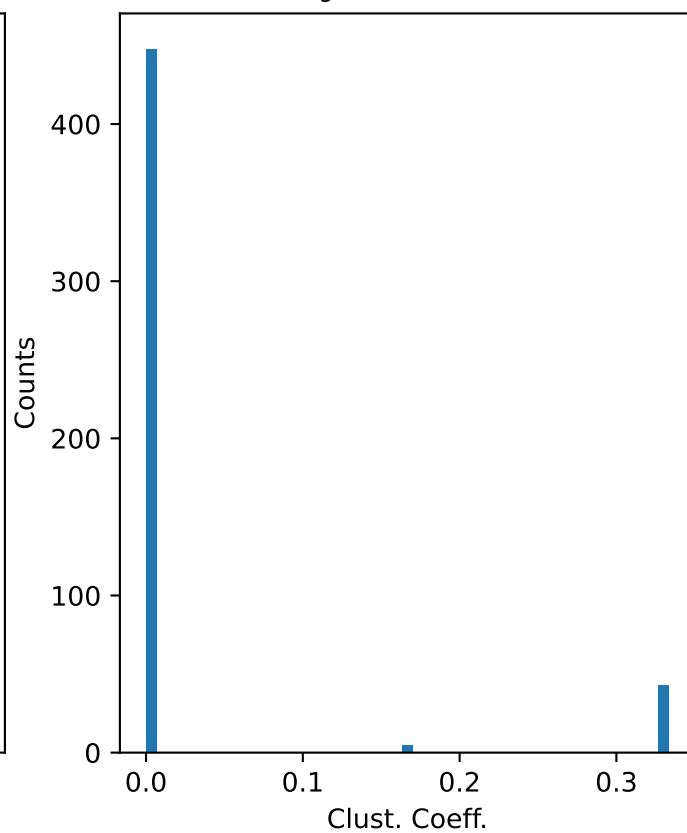




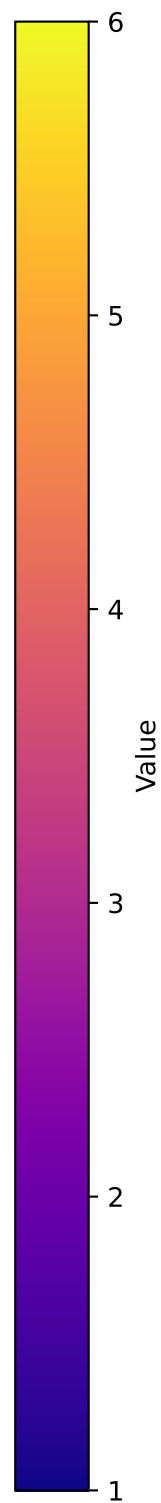
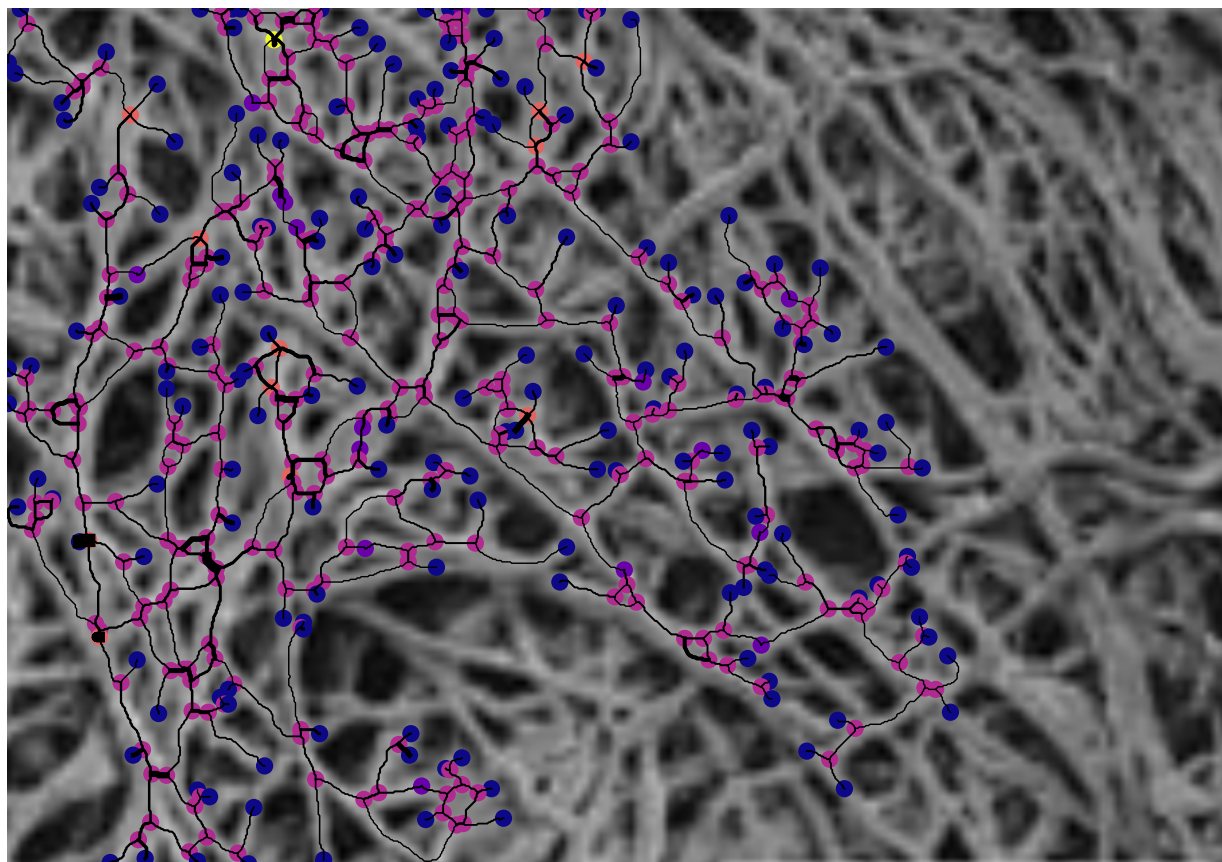
Betweenness Centrality: $\sigma=0.063$



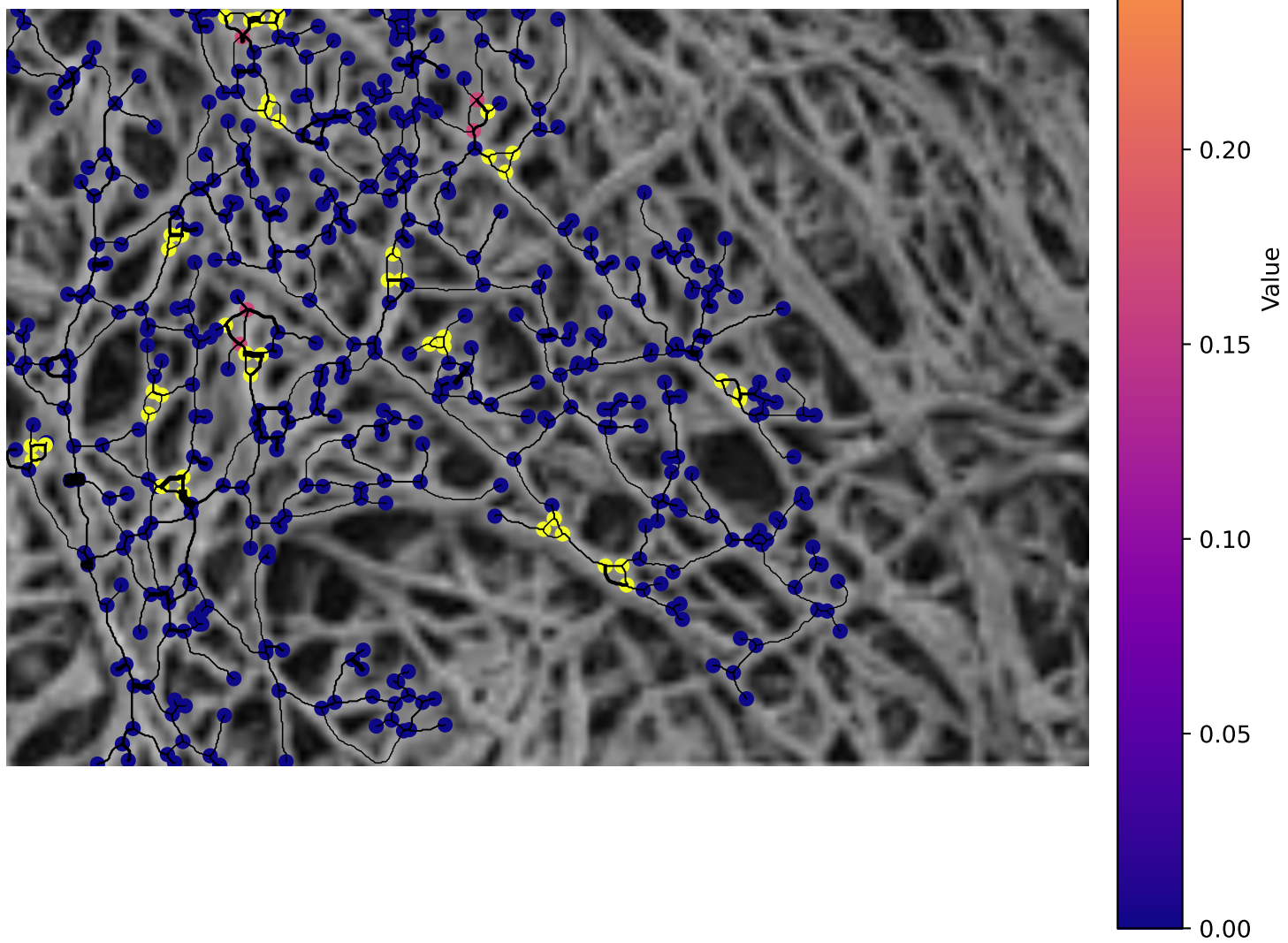
Clustering Coefficients: $\sigma=0.095$



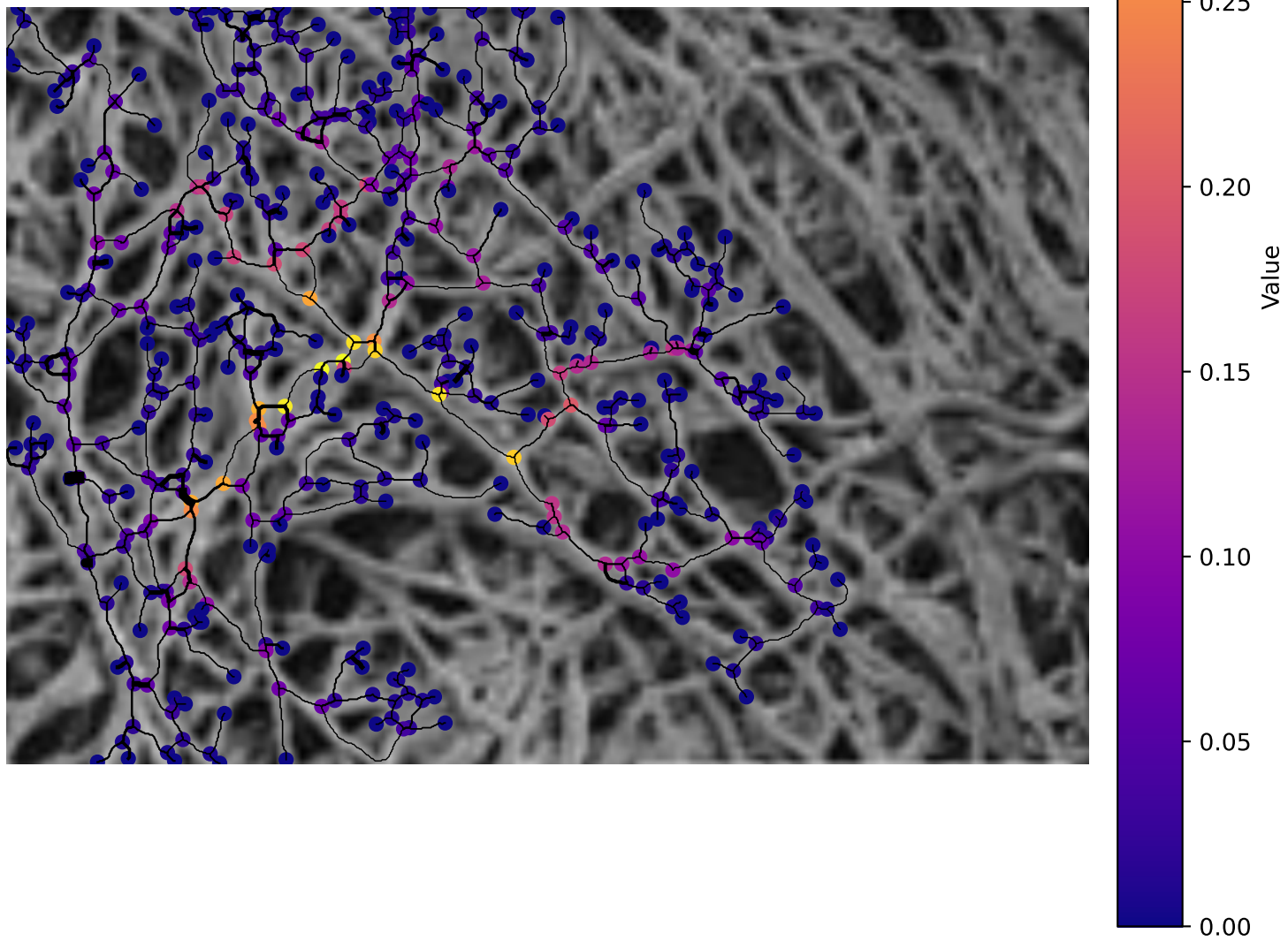
Degree Heatmap



Clustering Coefficient Heatmap



Betweenness Centrality Heatmap



Run Info

InVitroBioFilm.png
2025-07-07 18:01:50

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

Microscopy Parameters
Scalebar Value = 0.0 nm || Scalebar Pixel Count = 1
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Image Scale
Size = 638 x 912 px || Scale Factor = 1.0

Graph Extraction Configurations