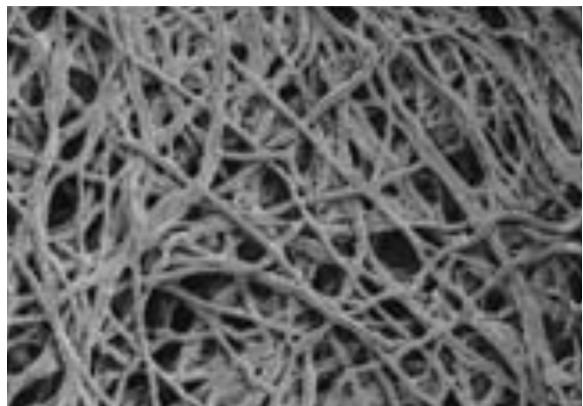
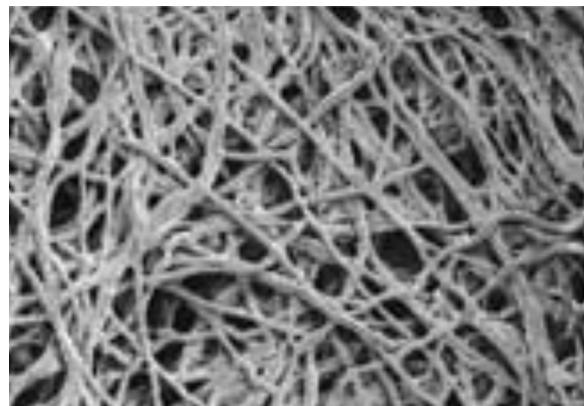


Original Image



Processed Image



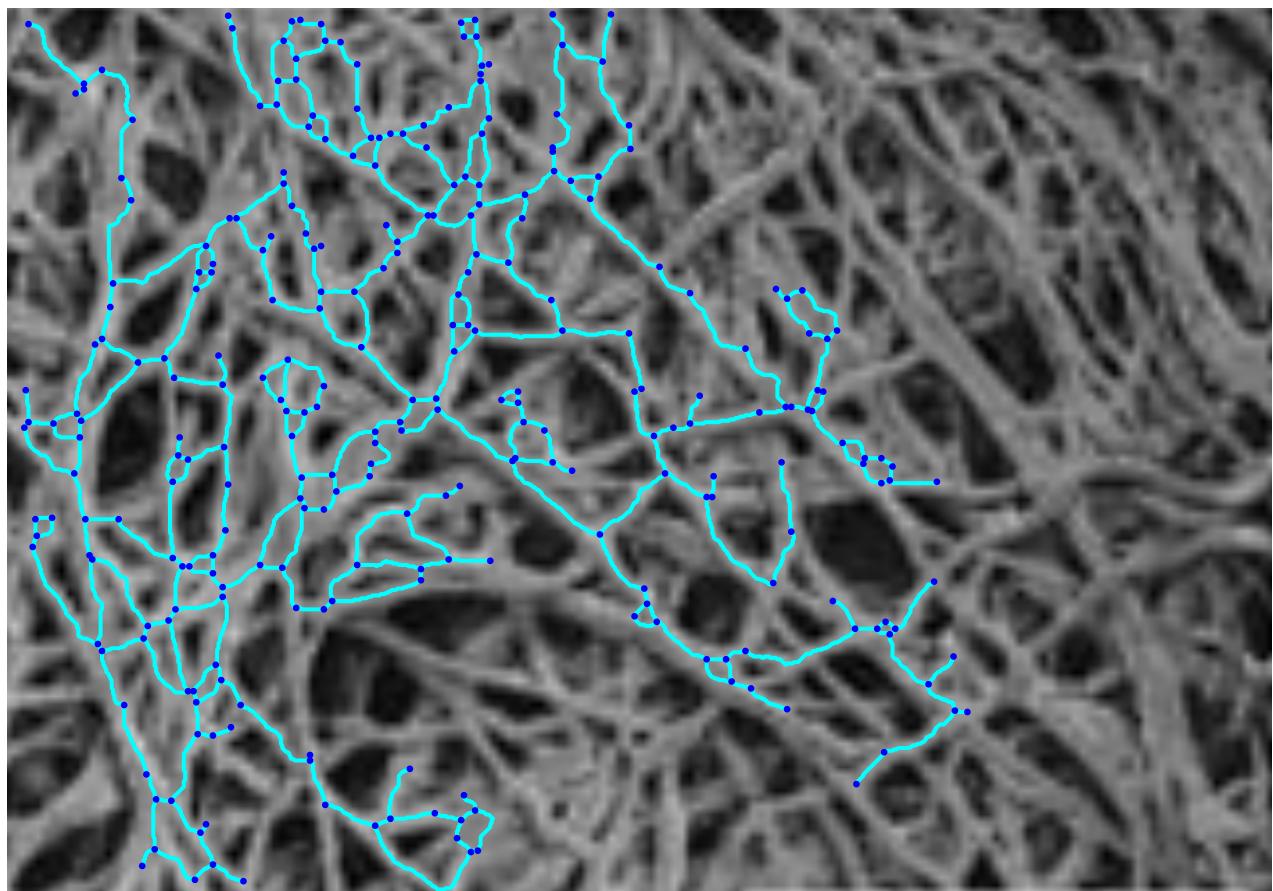
Binary Image



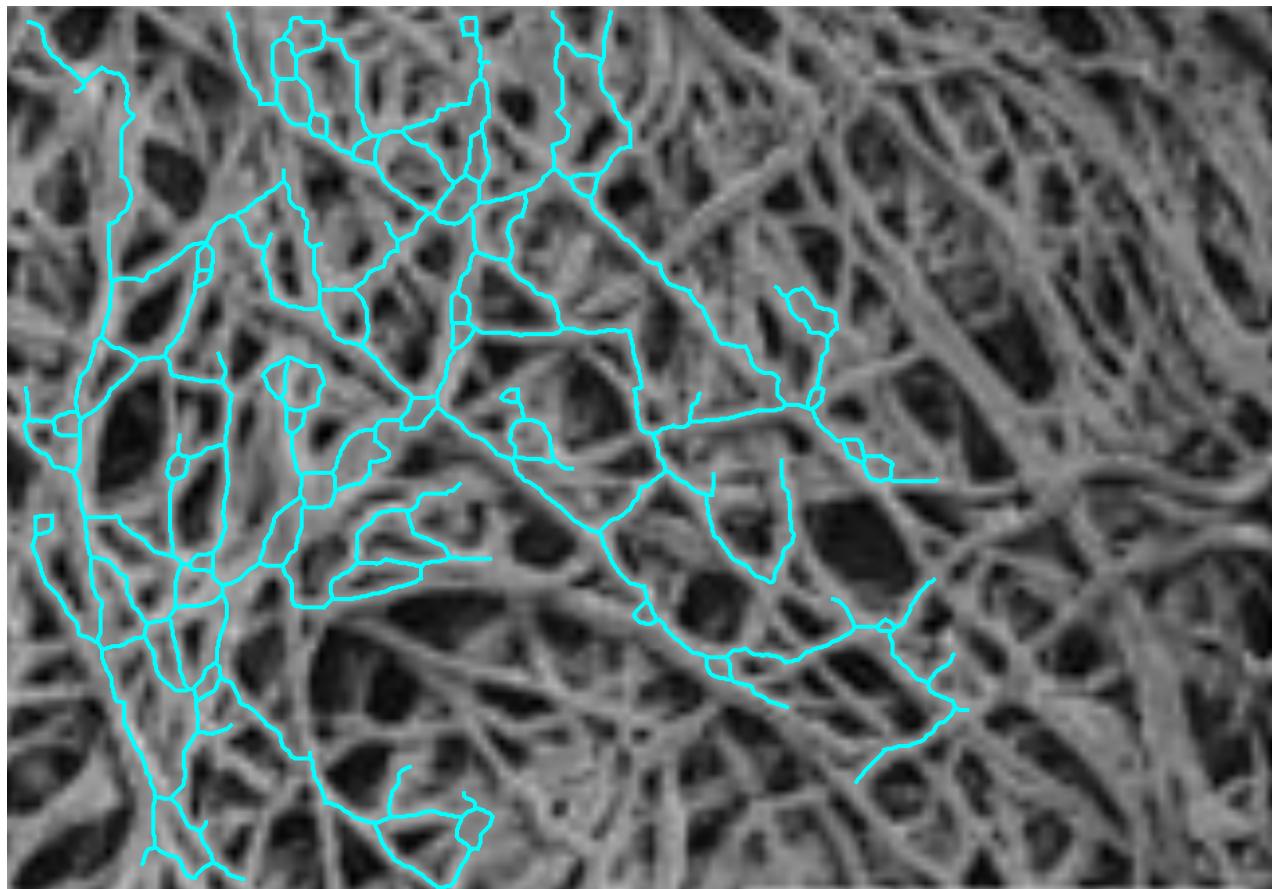
Histogram of Processed Image



Graph Node Plot

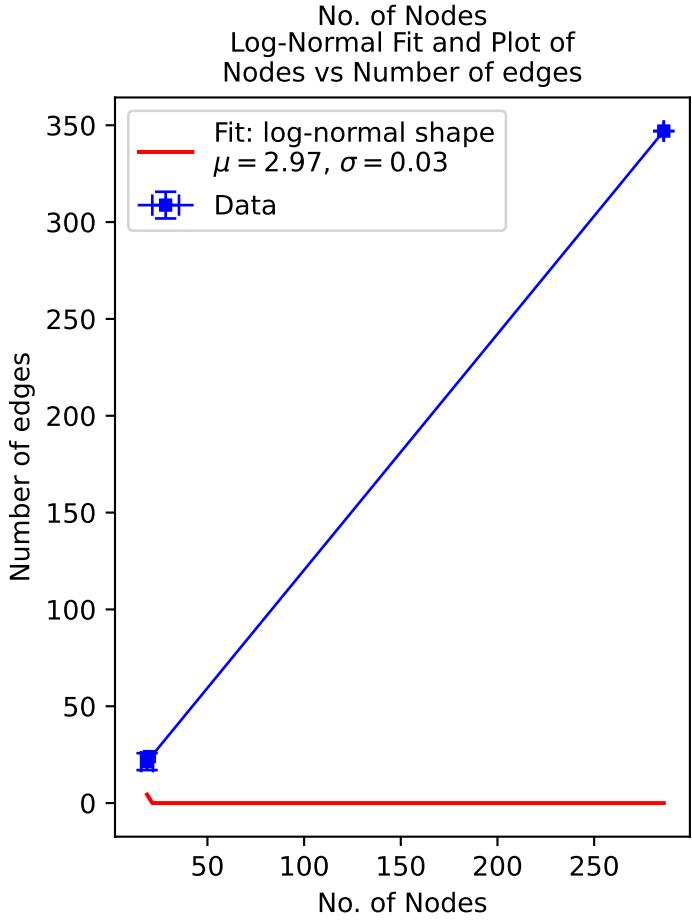
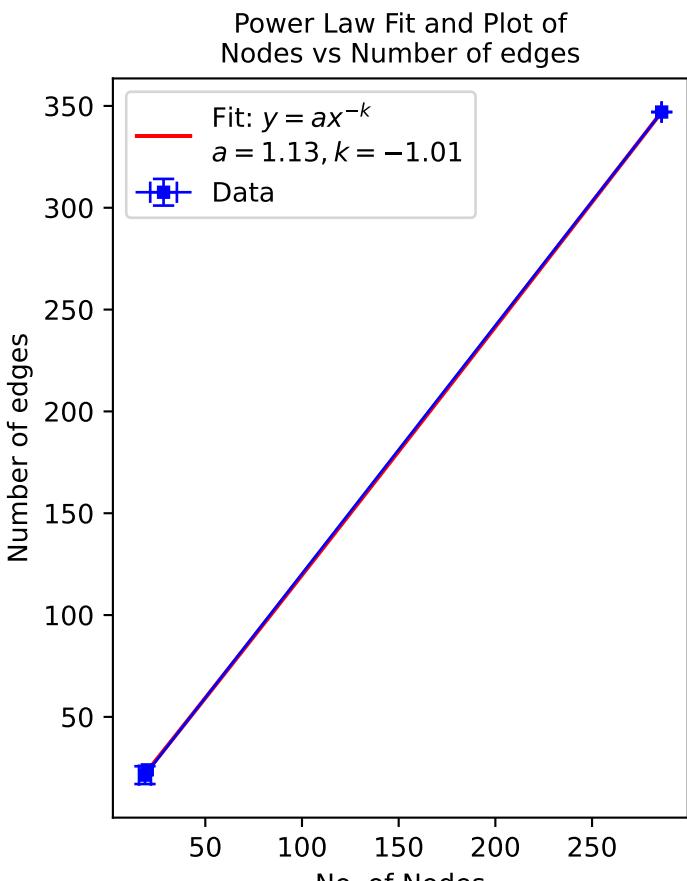
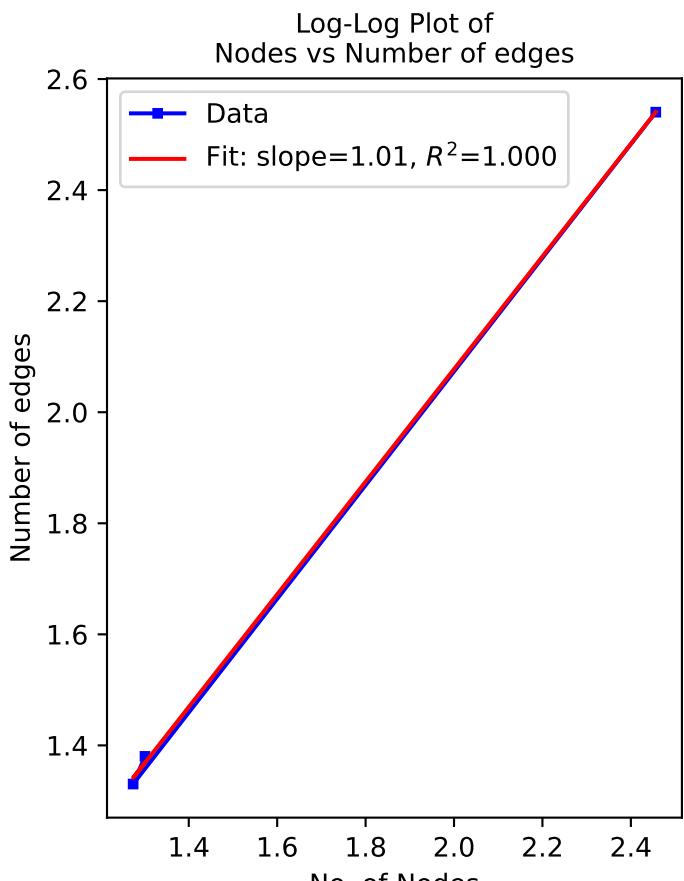


Graph Edge Plot

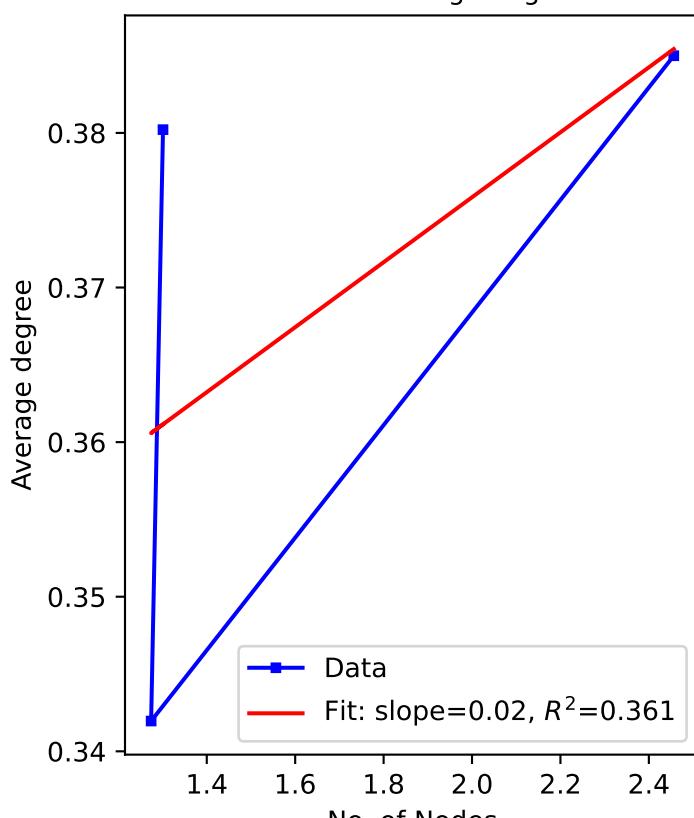


### Unweighted GT parameters

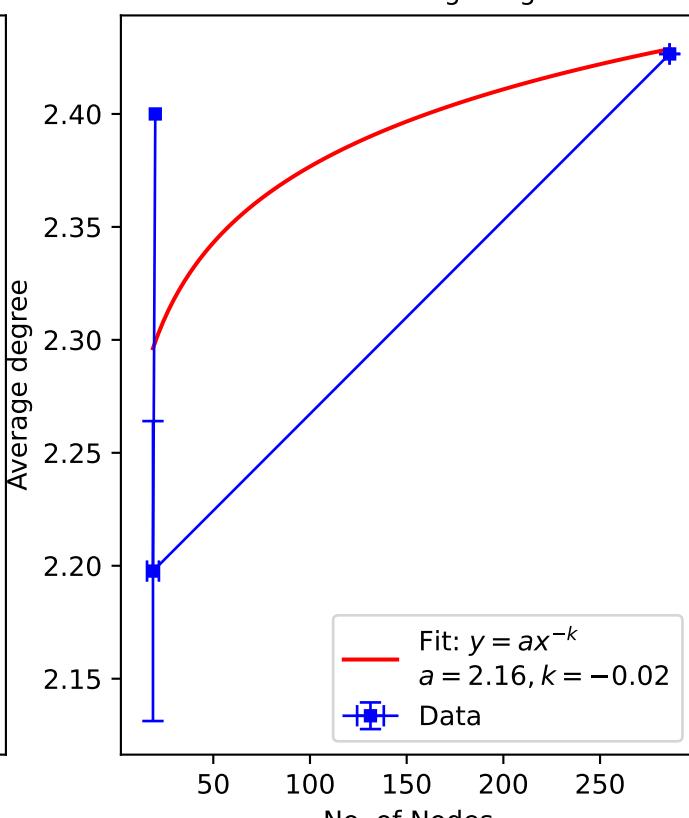
Number of nodes	286.0
Number of edges	347.0
Average edge angle (degrees)	164.153
Median edge angle (degrees)	87.138
Average degree	2.42657
Network diameter	35.0
Graph density	0.00851
Assortativity coefficient	-0.02484
Average clustering coefficient	0.06294
Average betweenness centrality	0.05236
Average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



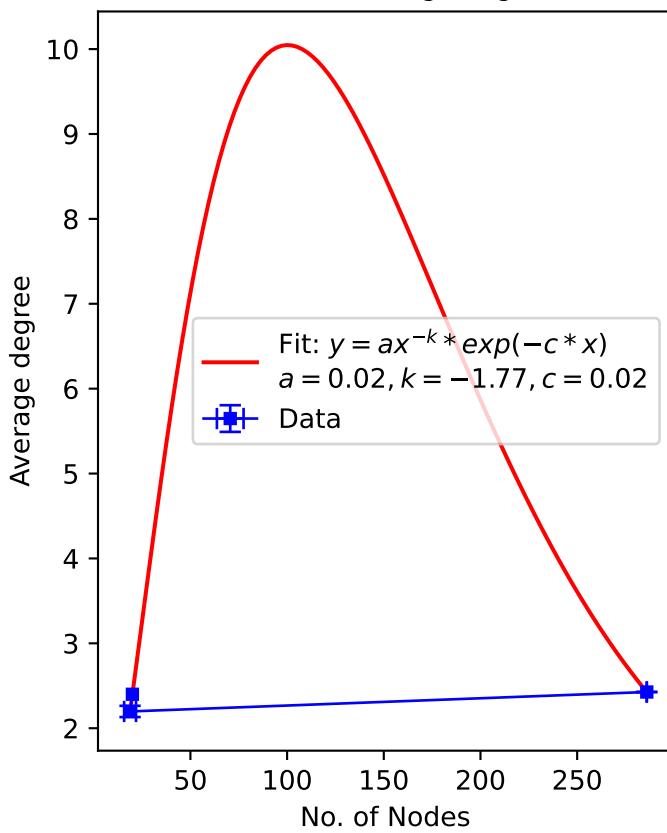
Log-Log Plot of  
Nodes vs Average degree



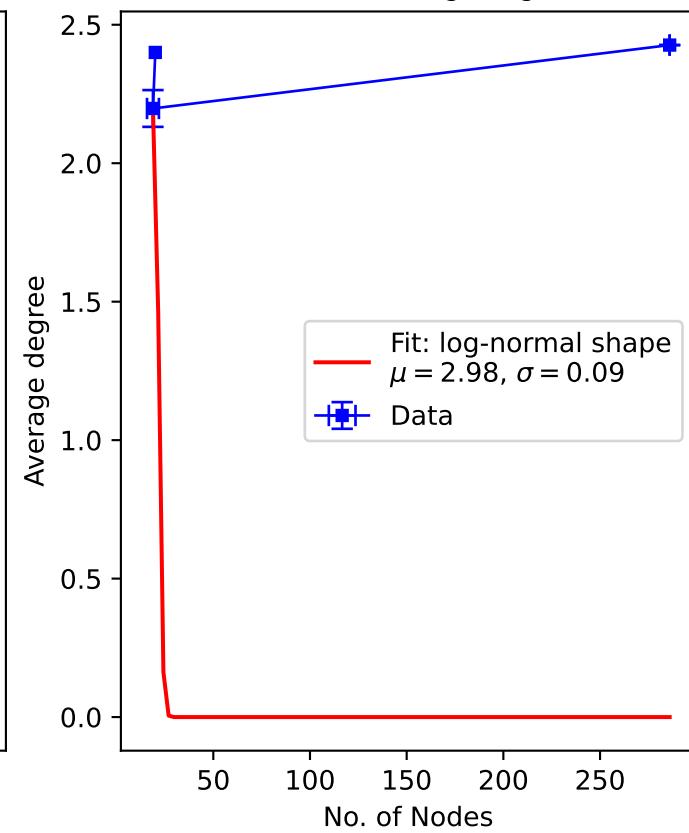
Power Law Fit and Plot of  
Nodes vs Average degree

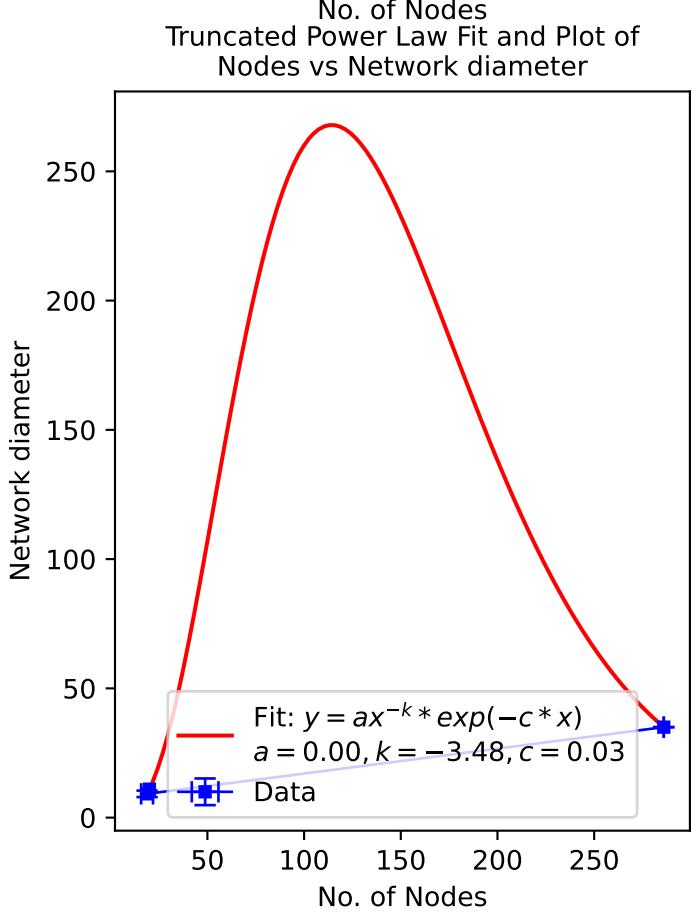
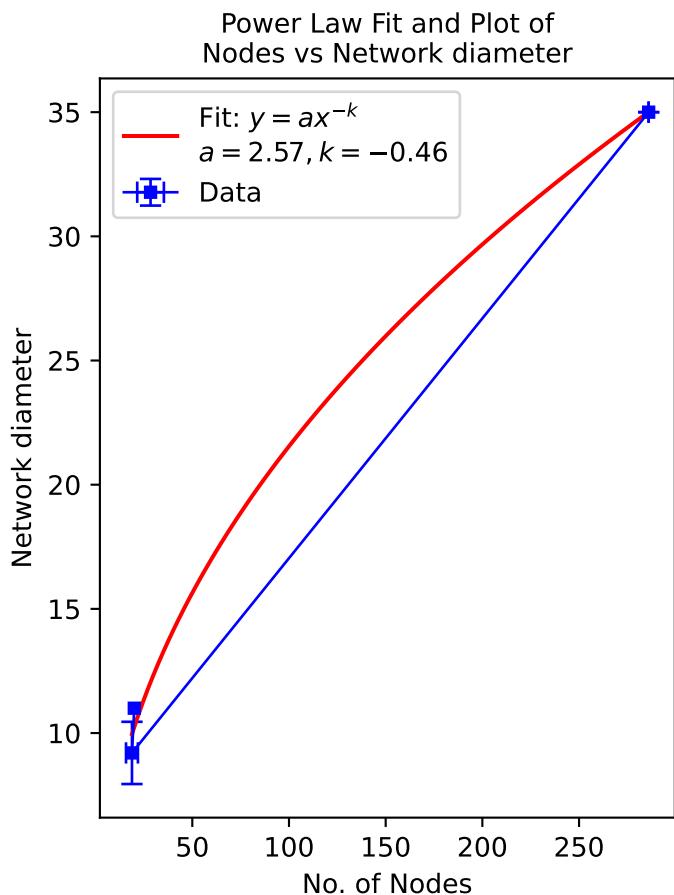
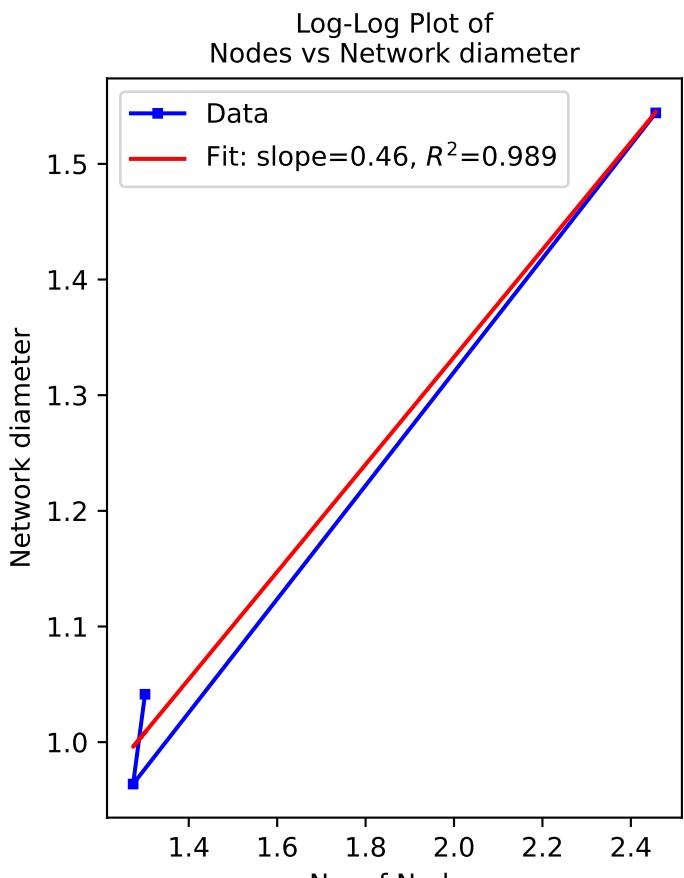


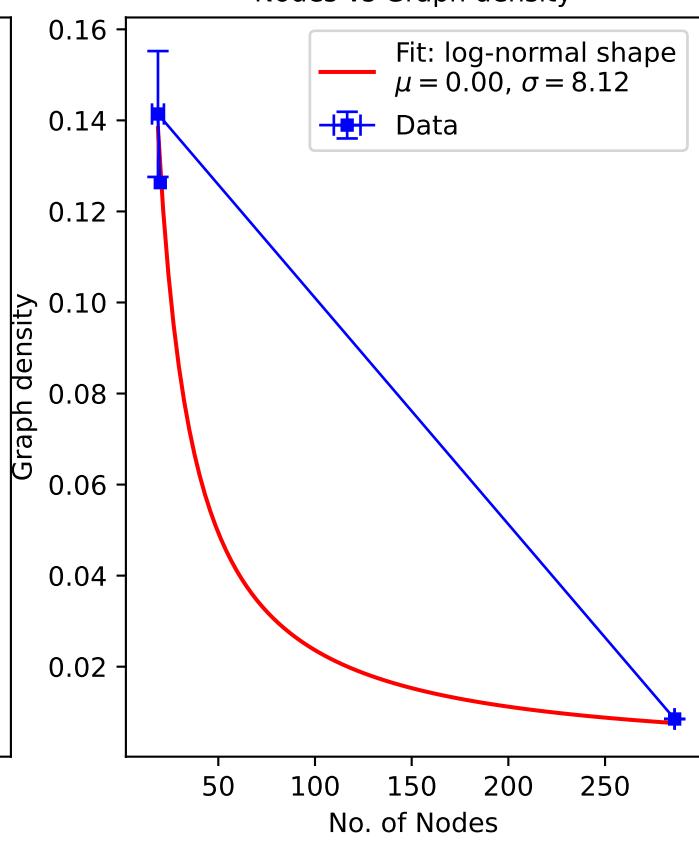
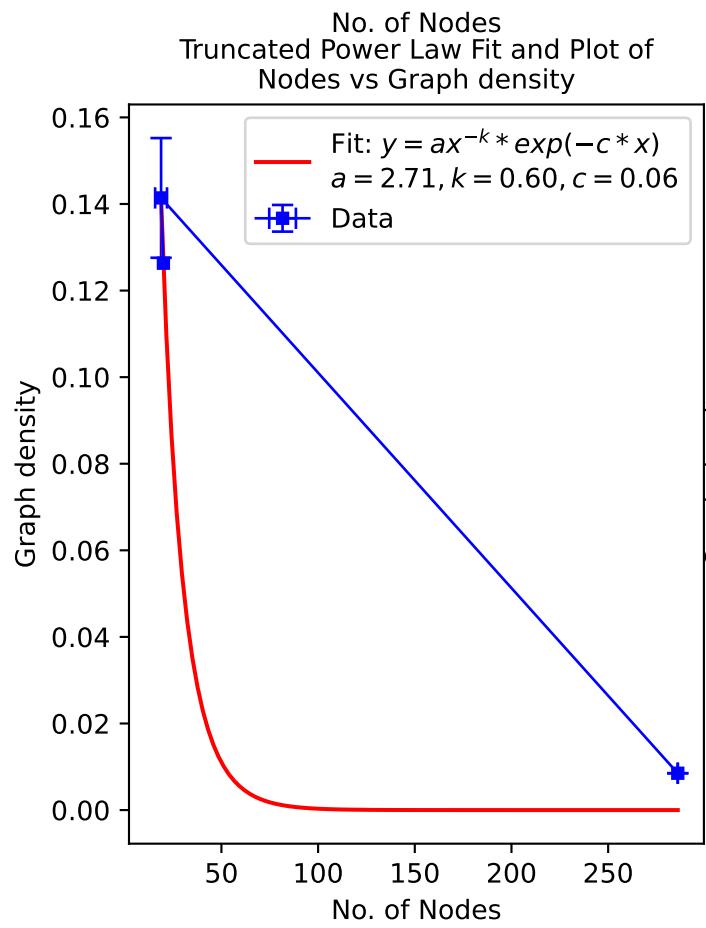
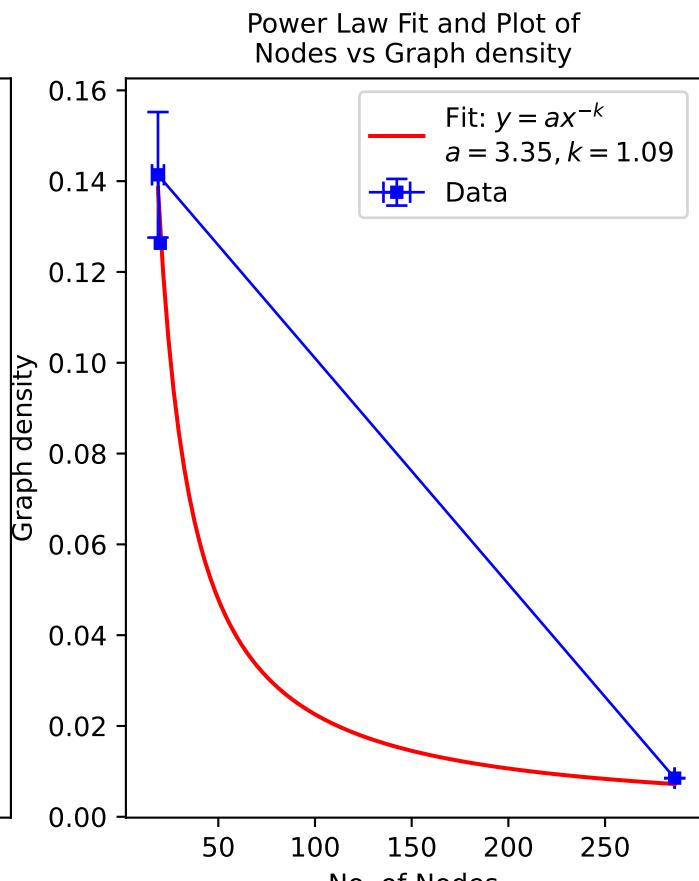
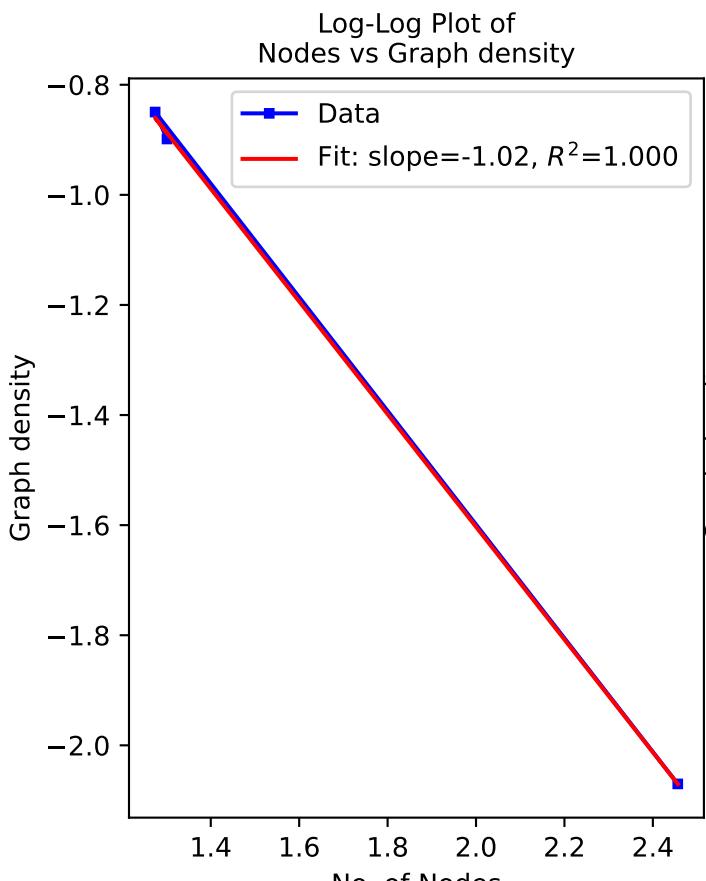
Truncated Power Law Fit and Plot of  
Nodes vs Average degree



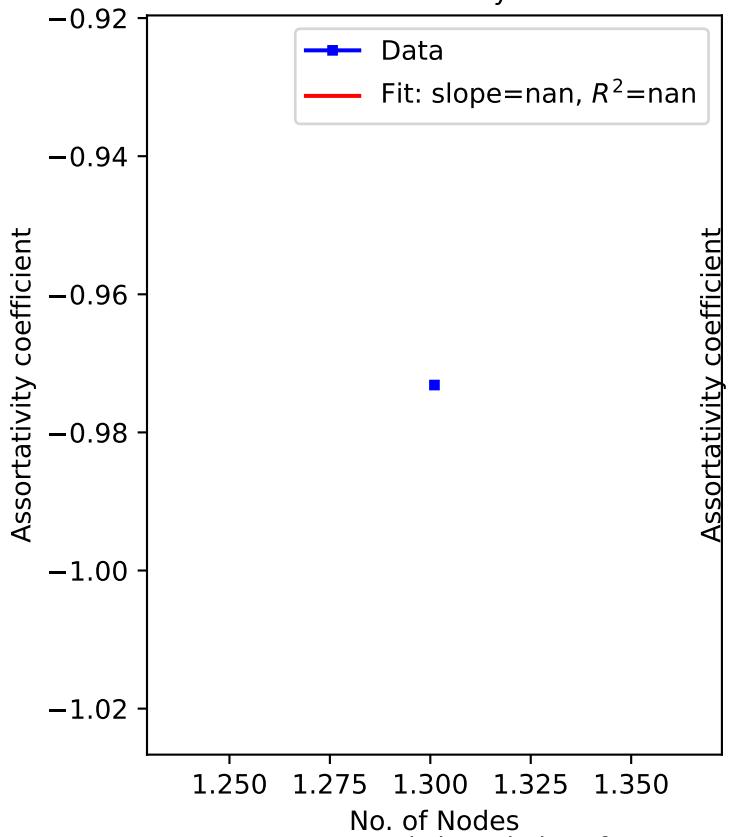
Log-Normal Fit and Plot of  
Nodes vs Average degree



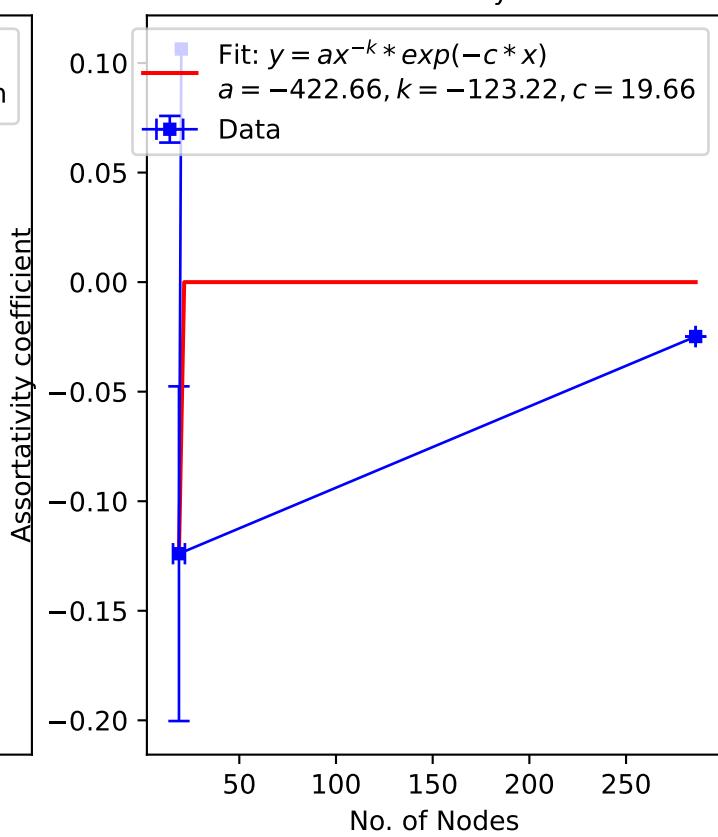




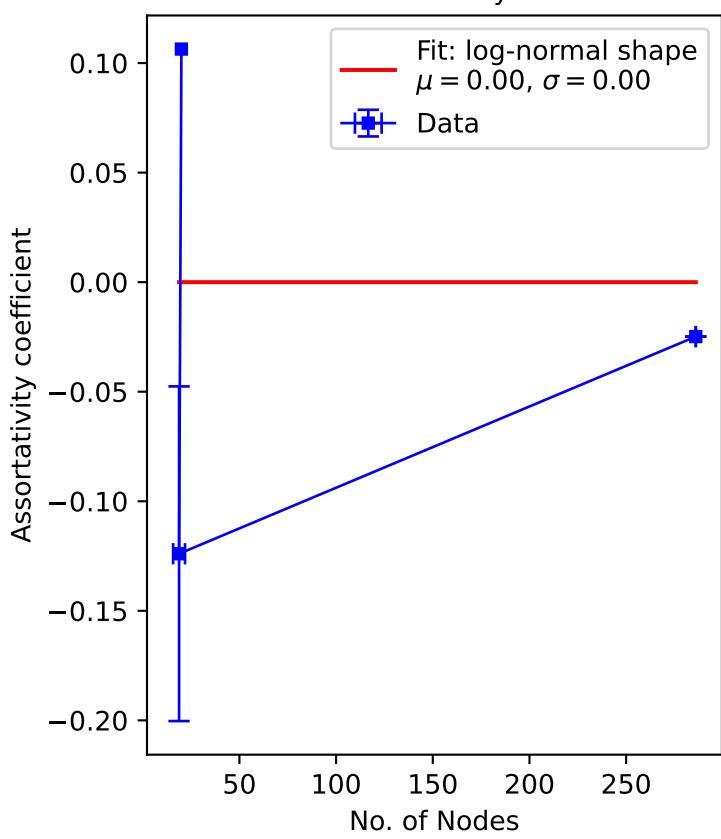
Log-Log Plot of  
Nodes vs Assortativity coefficient

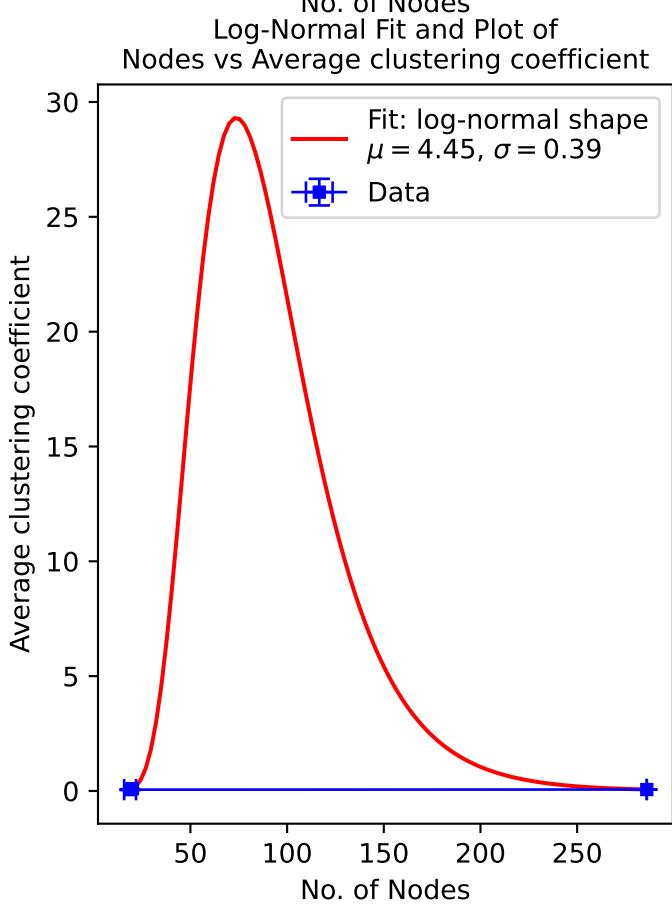
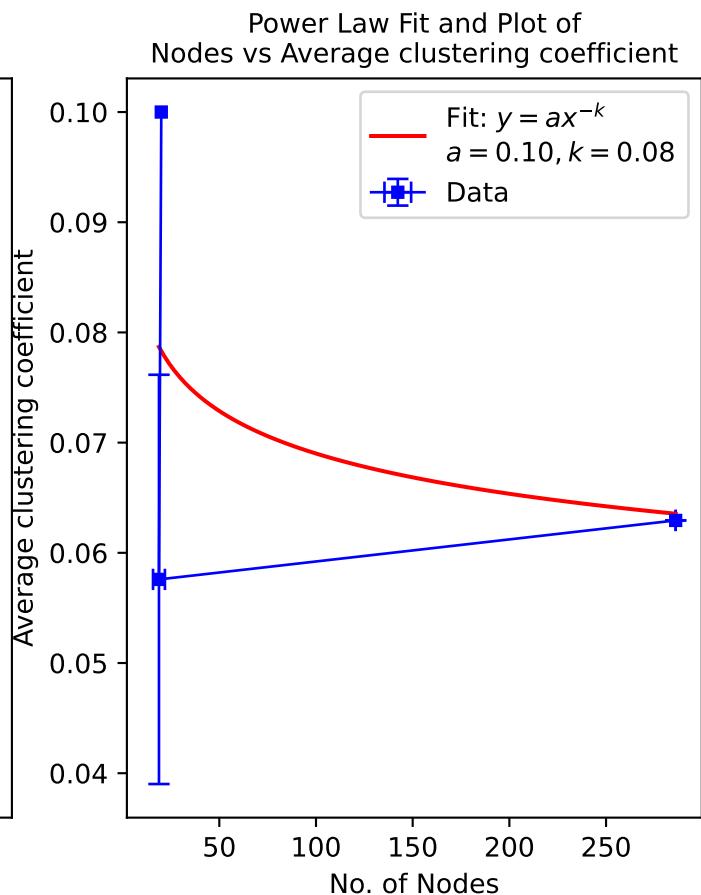
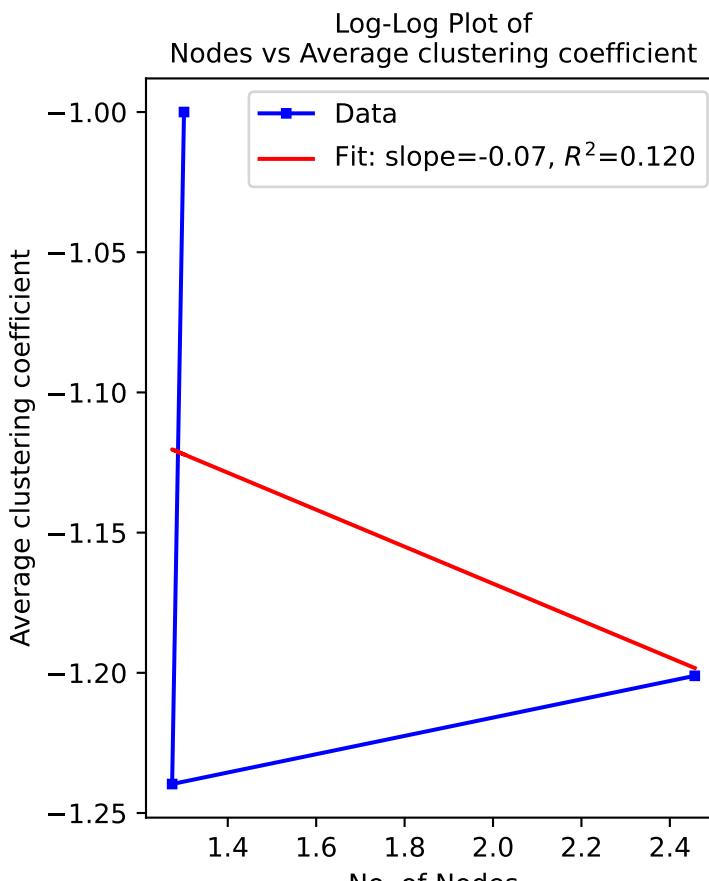


Truncated Power Law Fit and Plot of  
Nodes vs Assortativity coefficient

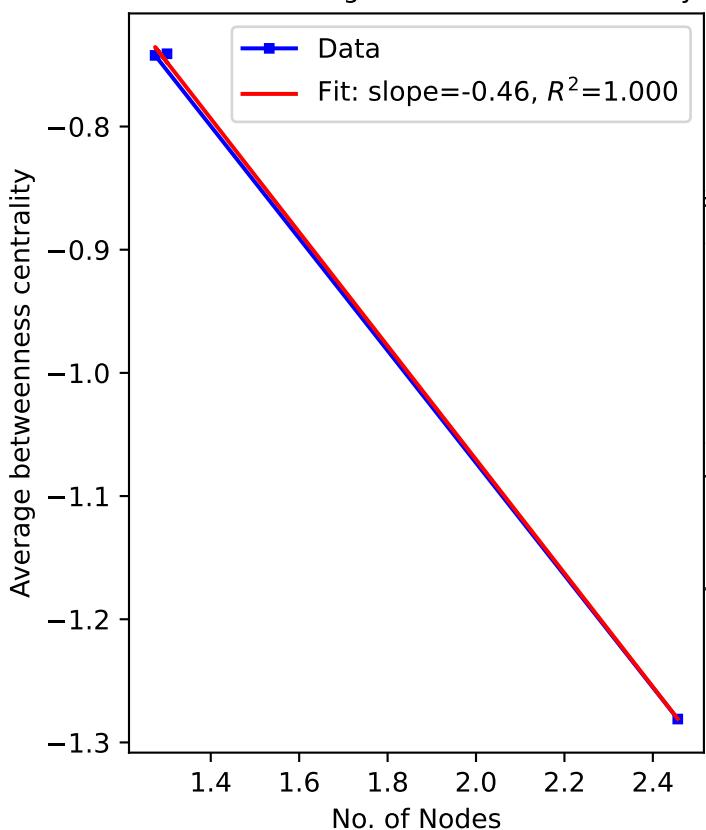


Log-Normal Fit and Plot of  
Nodes vs Assortativity coefficient

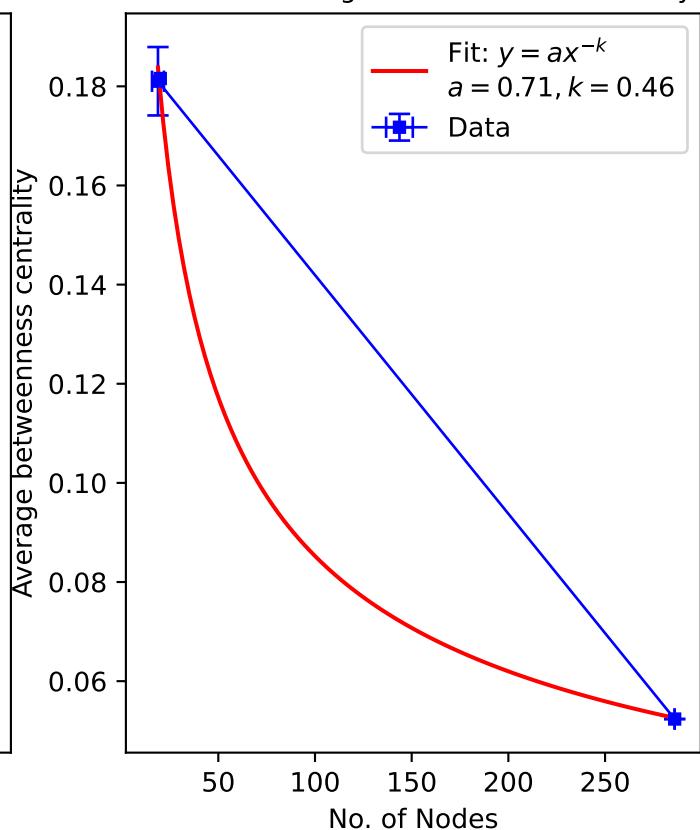




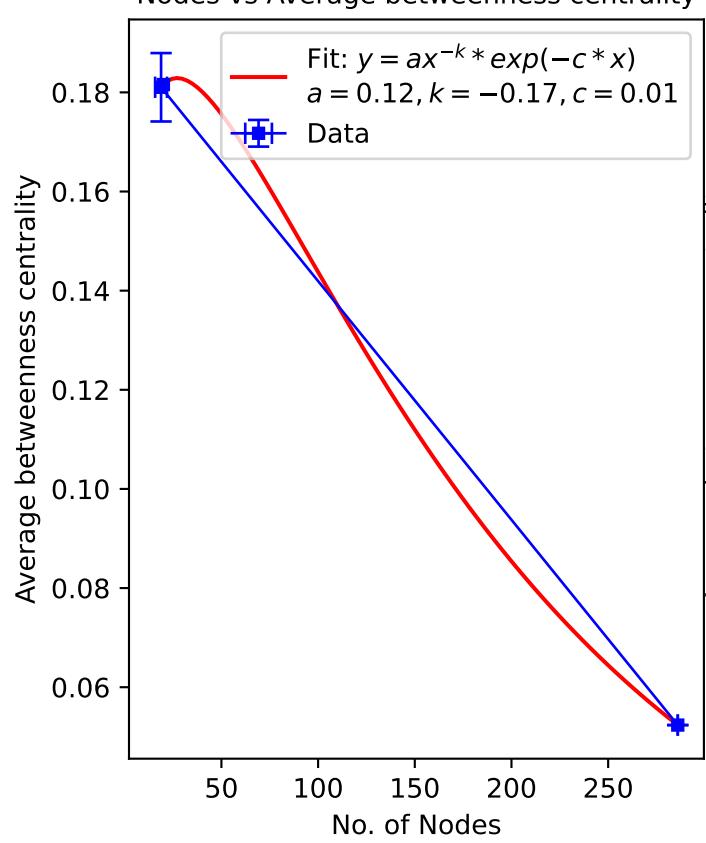
Log-Log Plot of  
Nodes vs Average betweenness centrality



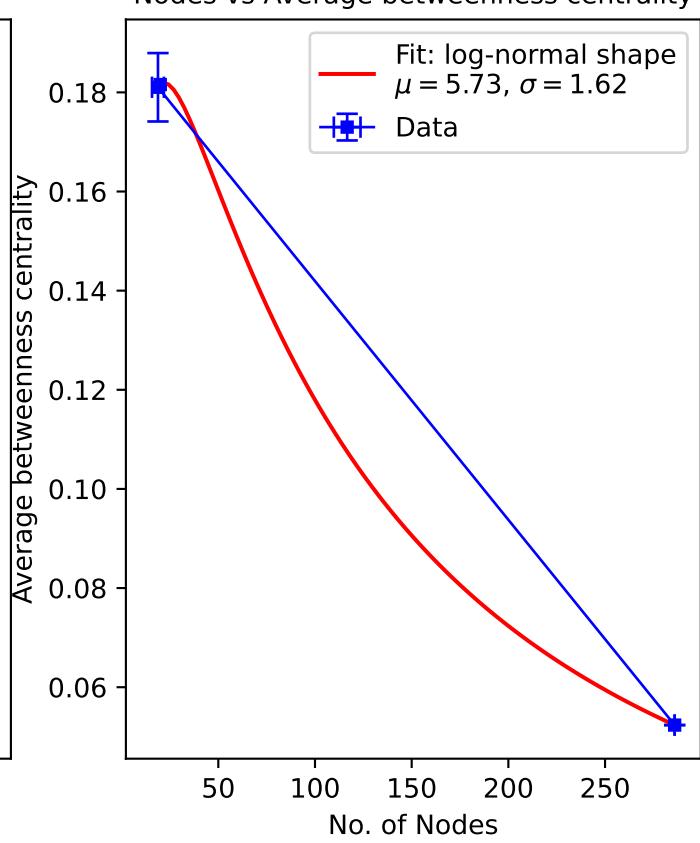
Power Law Fit and Plot of  
Nodes vs Average betweenness centrality



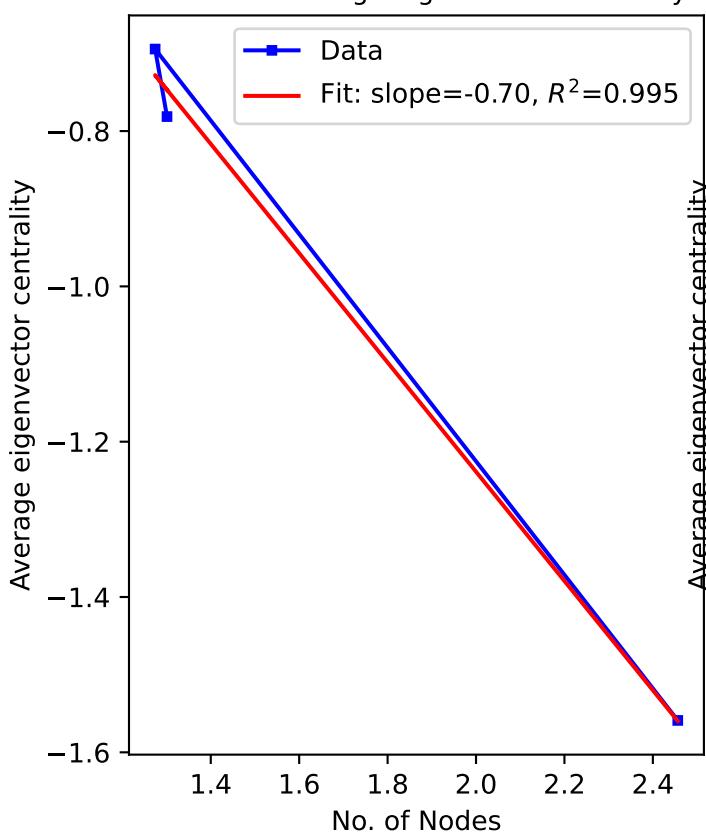
Truncated Power Law Fit and Plot of  
Nodes vs Average betweenness centrality



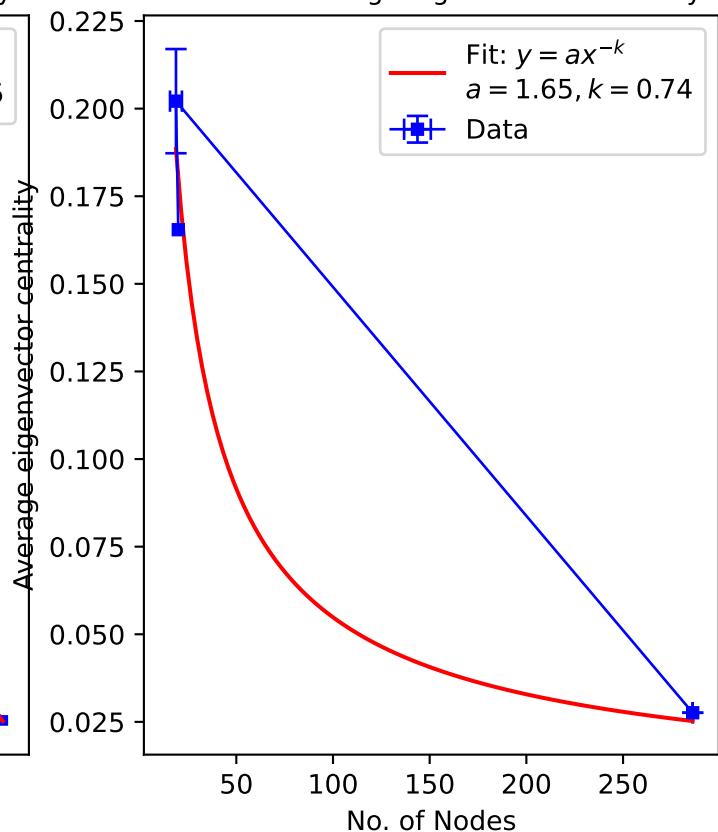
Log-Normal Fit and Plot of  
Nodes vs Average betweenness centrality



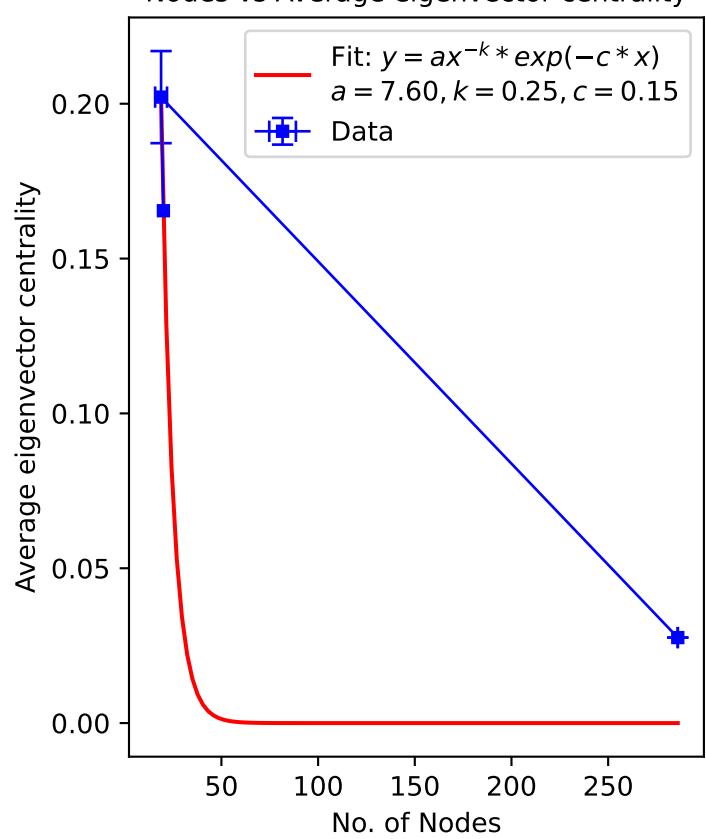
Log-Log Plot of  
Nodes vs Average eigenvector centrality

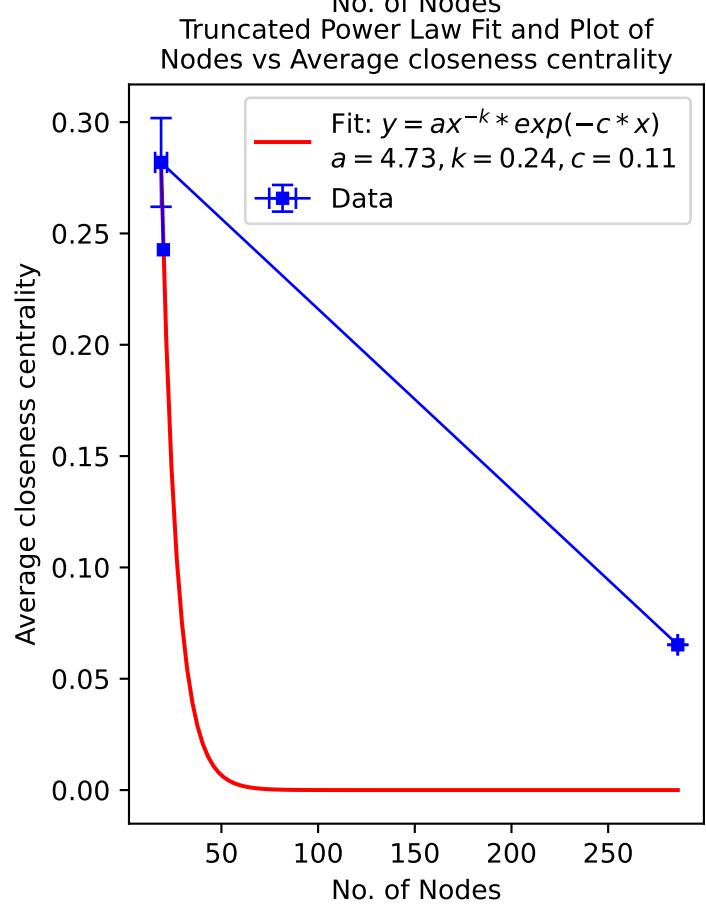
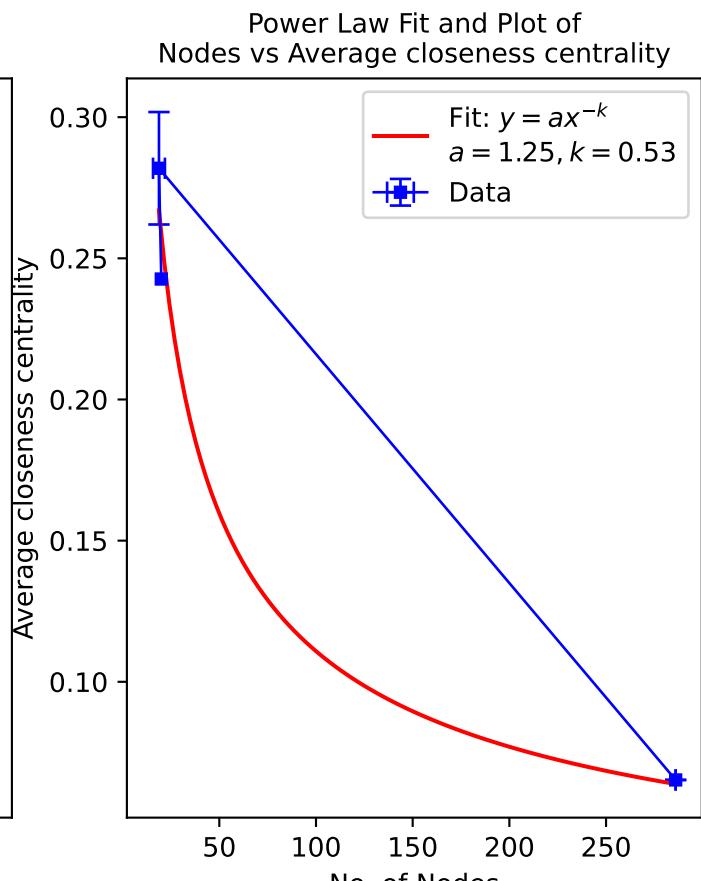
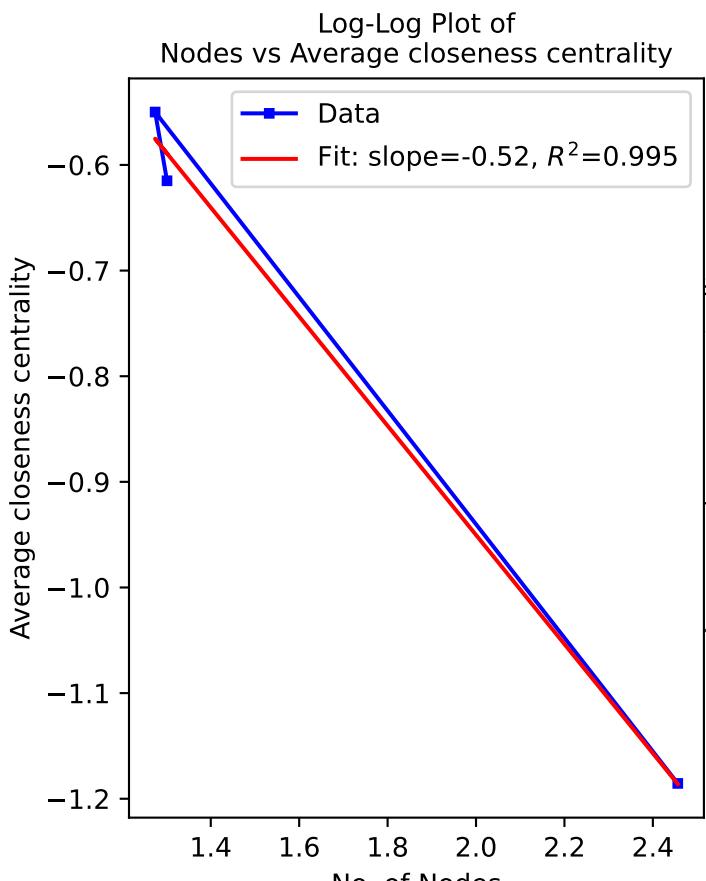


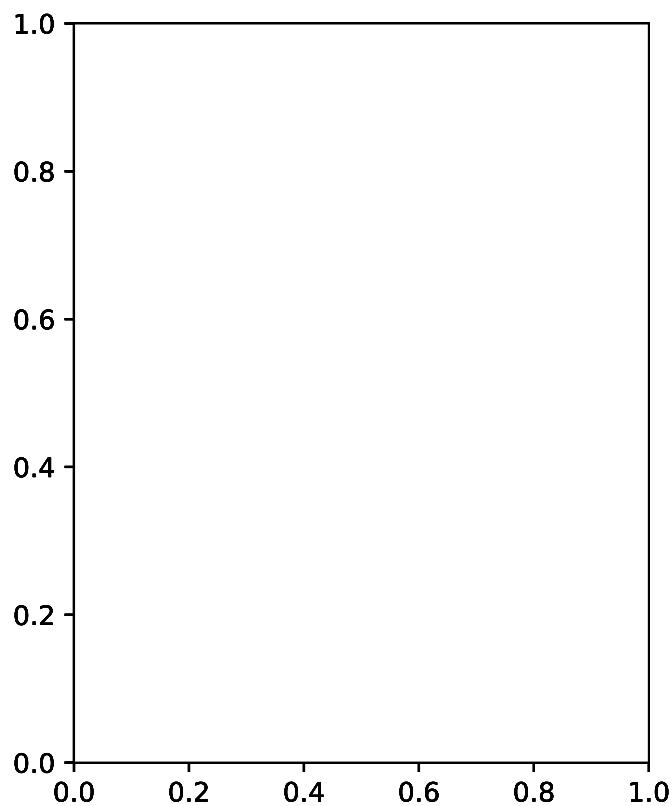
Power Law Fit and Plot of  
Nodes vs Average eigenvector centrality

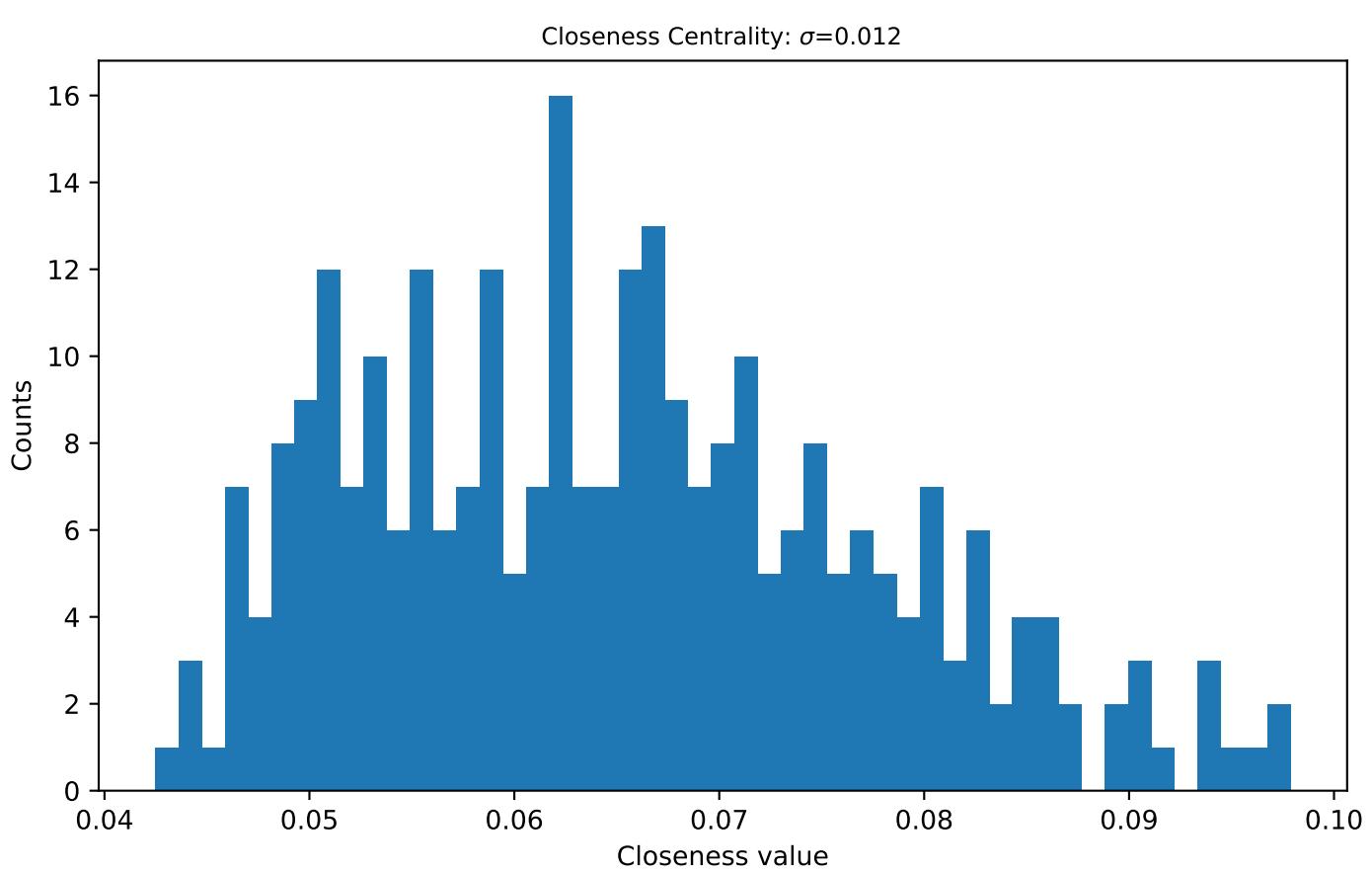
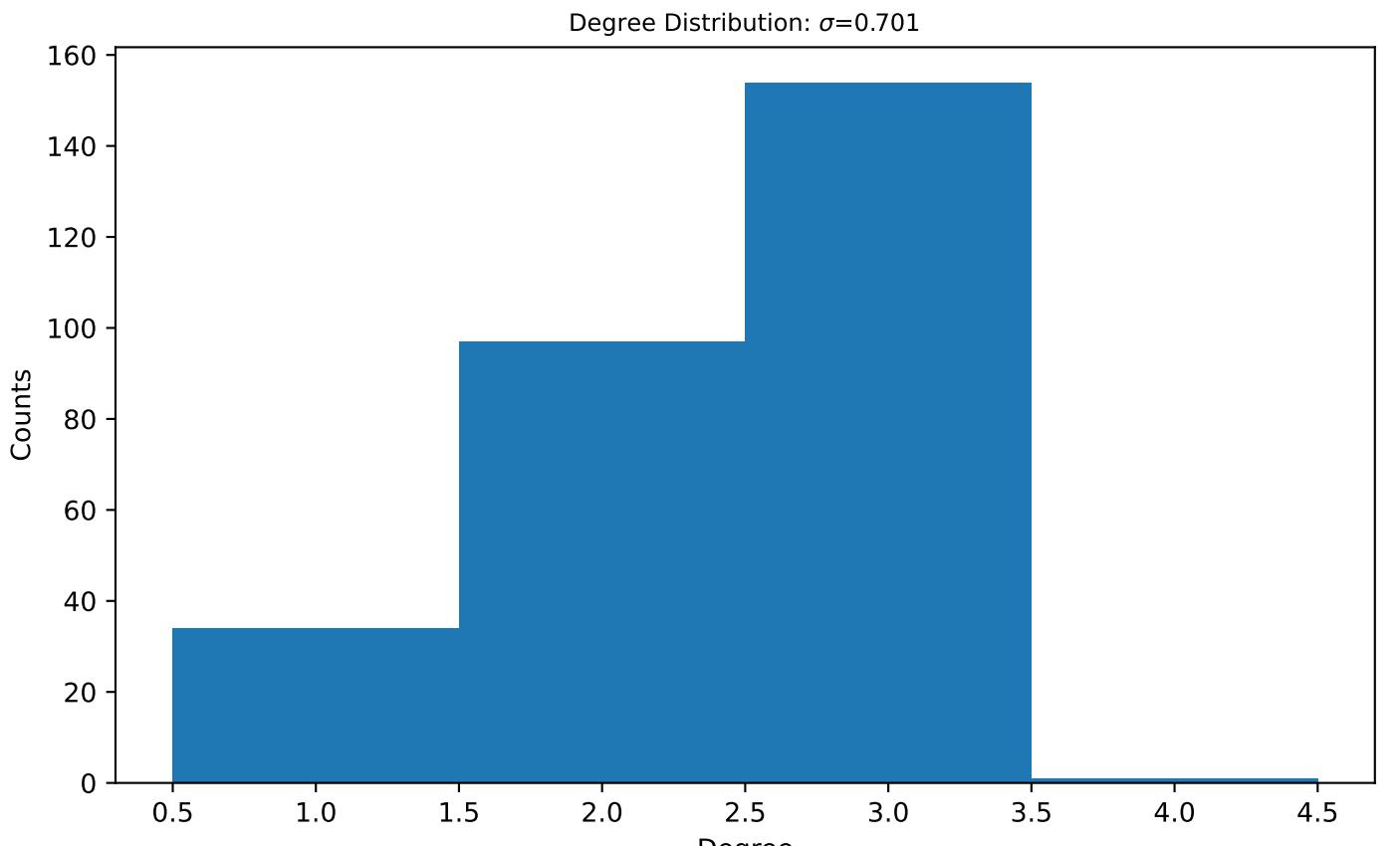


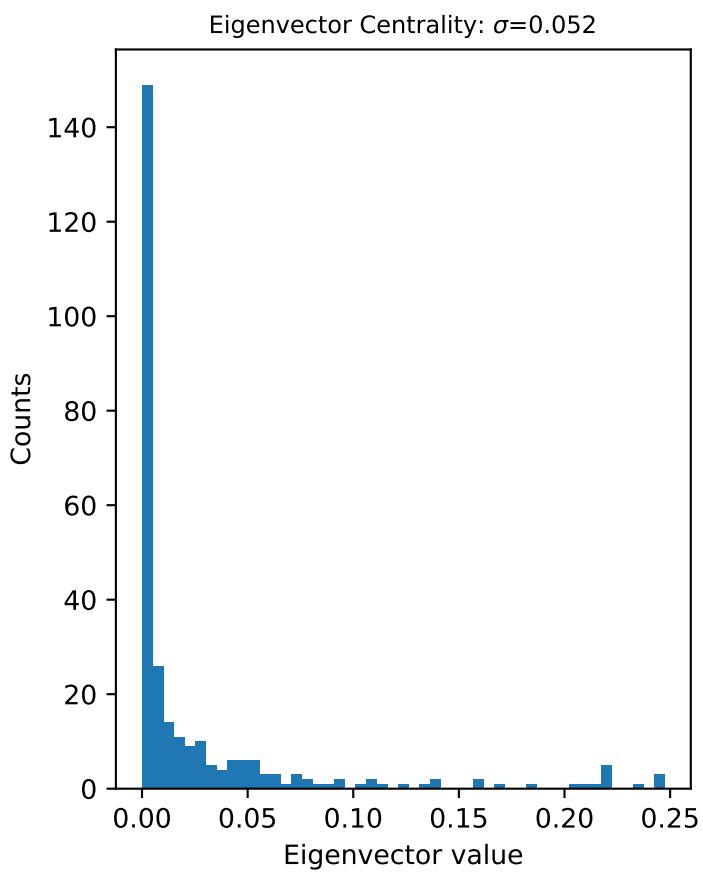
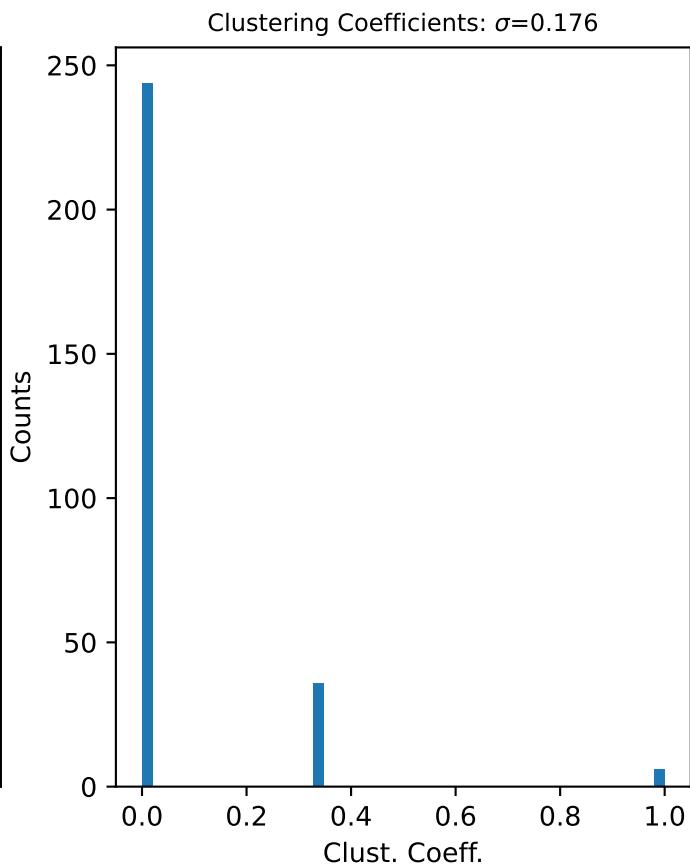
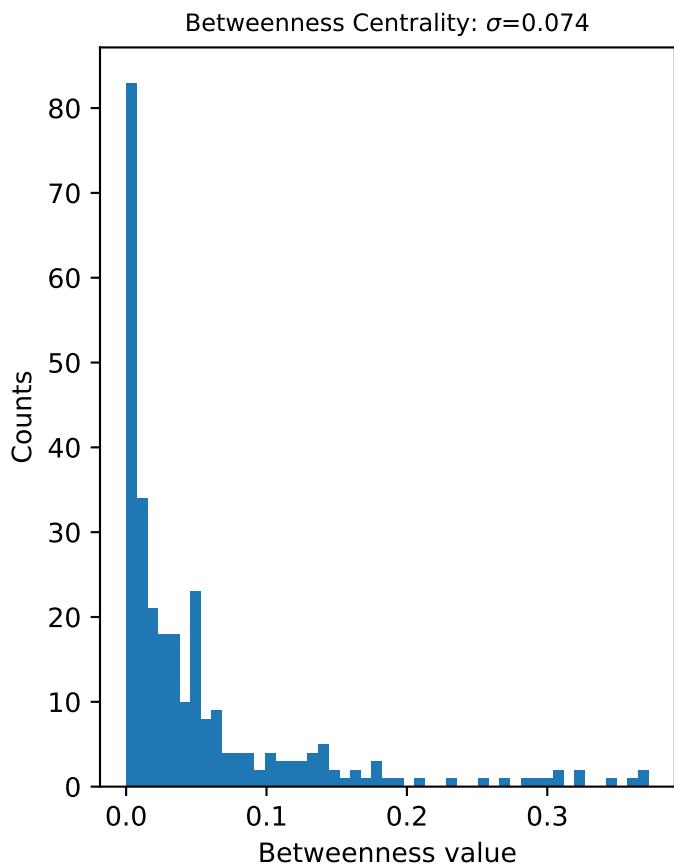
Truncated Power Law Fit and Plot of  
Nodes vs Average eigenvector centrality



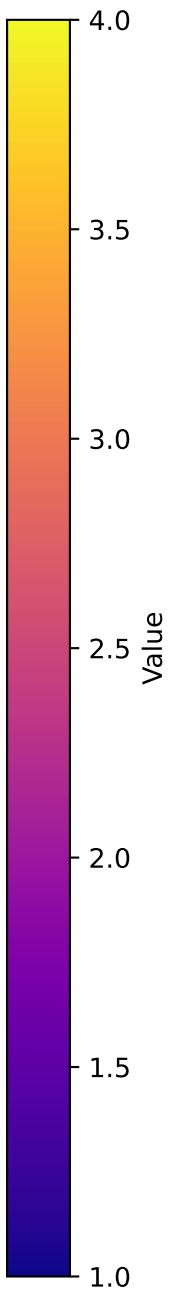
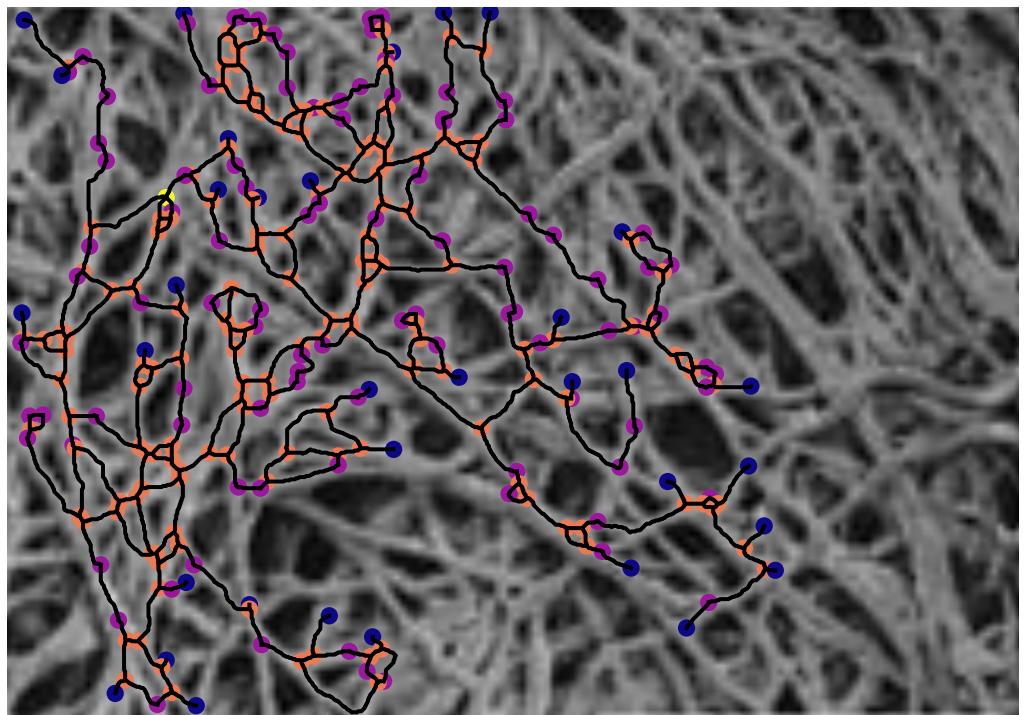




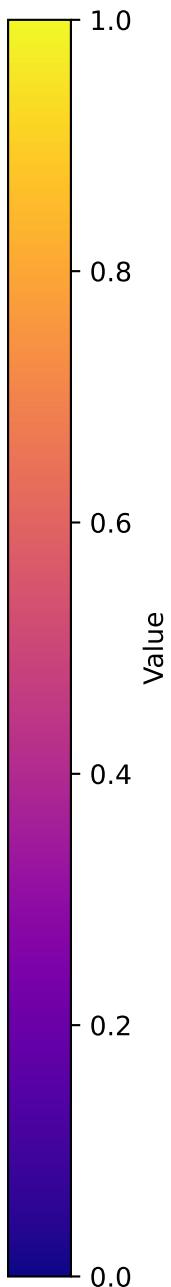
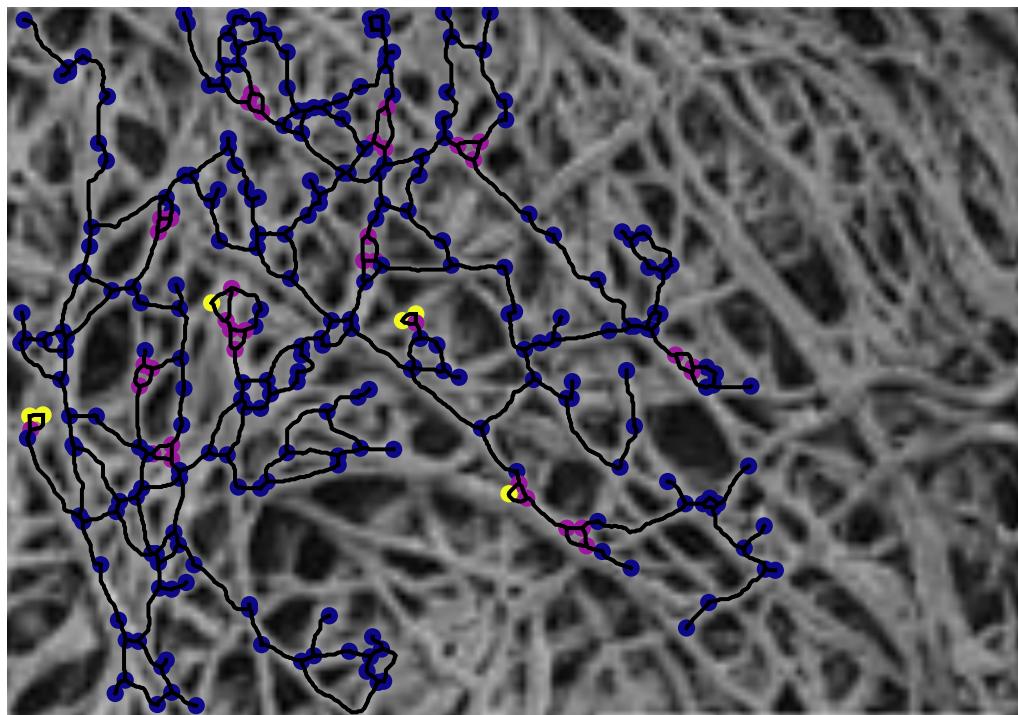




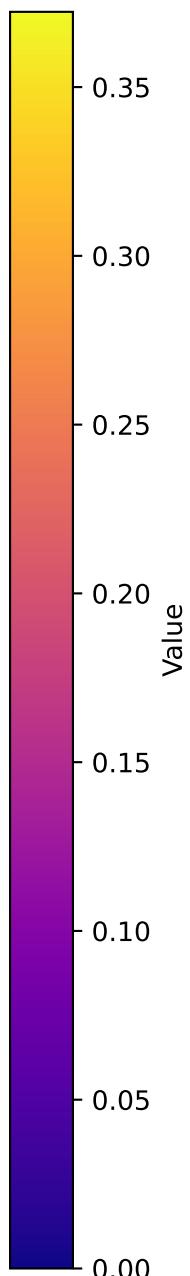
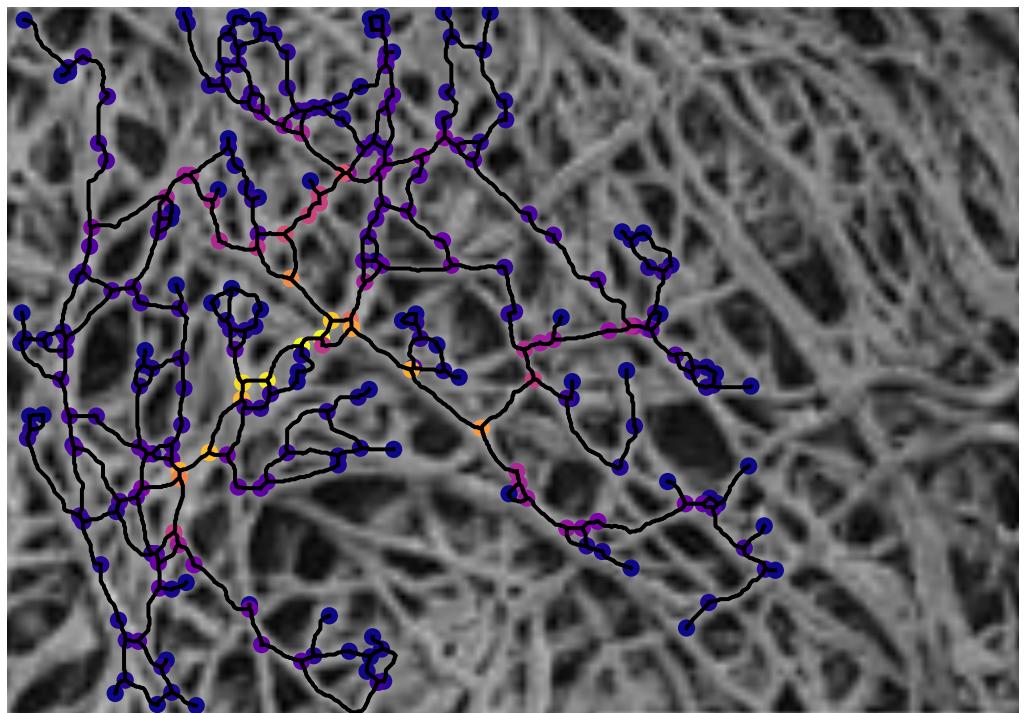
Degree Heatmap



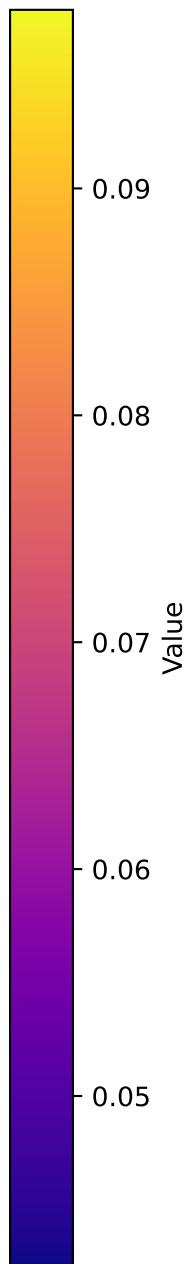
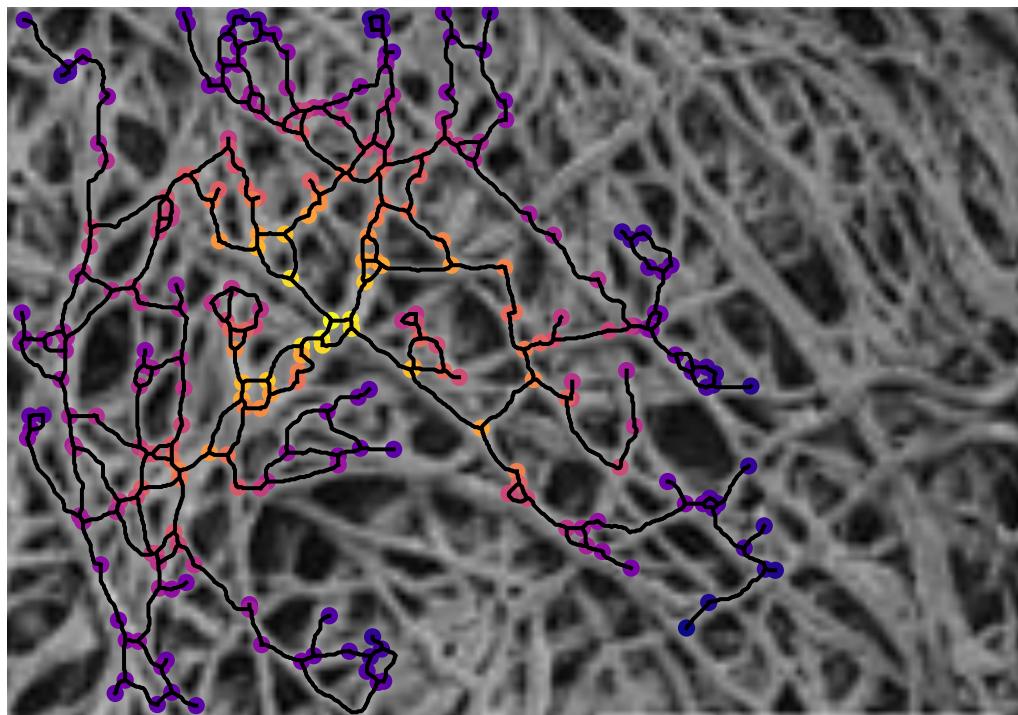
Clustering Coefficient Heatmap



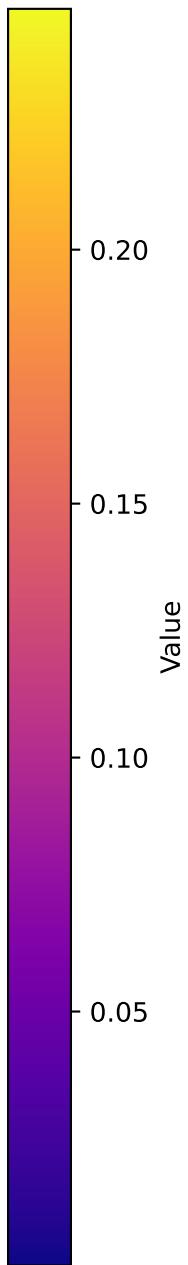
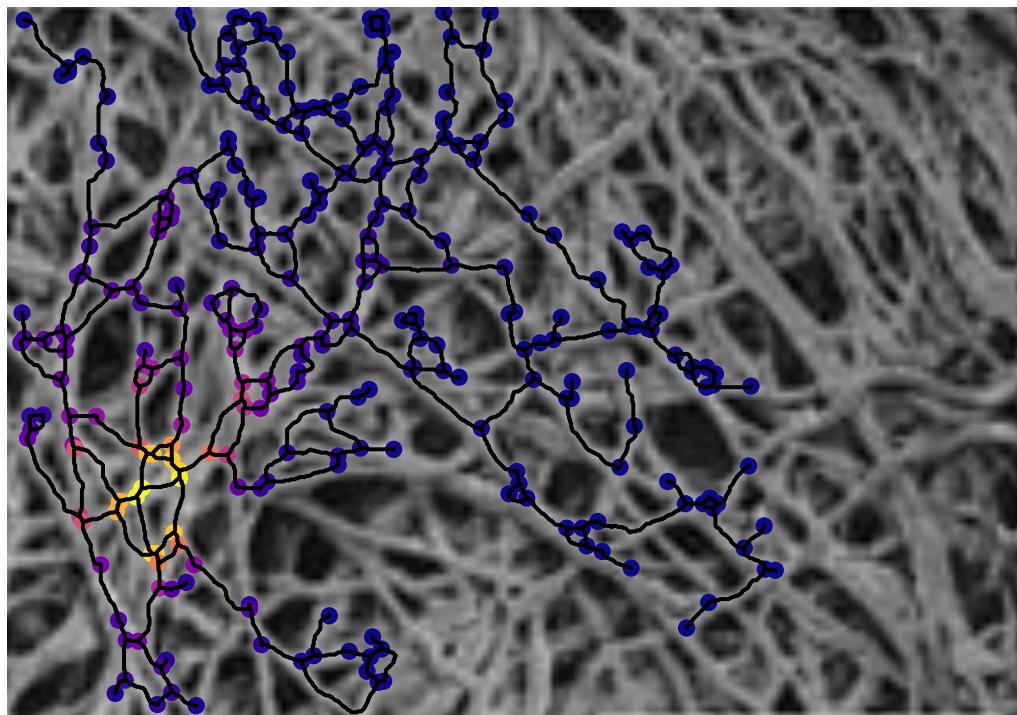
Betweenness Centrality Heatmap



Closeness Centrality Heatmap



Eigenvector Centrality Heatmap



## Run Info

InVitroBioFilm.png  
2025-06-17 16:02:51

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\*\*\*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\*\*\*  
Merge Nodes || Prune Dangling Edges  
Remove Objects of Size = 500 || Remove Self Loops