Correlation Heatmap for Sci-Tech subgraph ag-news misclassified 0.53 0.57 0.17 0.25 0.09 0.12 1.00 -0.13 -0.10 -0.60 -0.52 -0.65 0.09 num nodes - 1.00 1.00 1.00 0.52 0.57 0.16 0.25 0.09 0.10 1.00 -0.13 -0.11 -0.61 -0.52 -0.65 0.09 num edges -1.00 0.13 -0.42 avg degree -0.53 0.52 1.00 0.74 0.79 0.50 0.38 0.52 0.53 0.06 -0.38 -0.32 0.28 1.00 0.43 0.31 0.57 -0.05 -0.54 -0.56 -0.33 max degree -0.57 0.57 0.74 0.87 0.79 -0.16 -0.19 0.43 1.00 0.27 0.17 0.12 0.16 0.25 0.19 0.25 min degree -0.16 0.79 0.17 0.30 0.69 0.49 0.17 0.25 -0.22 -0.10 -0.45 -0.12 degree variance 0.25 0.25 0.50 0.87 0.27 1.00 0.83 -0.41 -0.38 0.09 -0.17 -0.06 -0.21 -0.30 0.14 -0.42 degree skewness 0.79 0.09 0.09 0.38 0.30 0.83 1.00 0.31 0.12 0.52 0.31 0.17 0.31 1.00 0.12 0.03 0.06 0.08 0.06 0.14 **NWCC** -0.10 0.69 0.29 NSCC -1.00 1.00 0.53 0.57 0.17 0.25 0.09 0.12 1.00 -0.13 -0.10 -0.60 -0.52 -0.65 0.09 0.12 -0.22 0.03 -0.13 0.96 0.21 0.19 avg betweenness --0.13 -0.13 0.06 -0.16 -0.17 1.00 -0.06 0.36 1.00 0.13 max betweenness -0.10 -0.11 0.13 -0.05 0.16 -0.10 -0.06 0.06 -0.10 0.96 0.15 -0.09 0.31 -0.41 0.98 -0.60 -0.61 -0.38 -0.54 0.25 -0.21 0.08 -0.60 0.21 0.15 1.00 0.86 avg closeness 0.35 -0.52 0.19 0.13 0.98 1.00 max closeness -0.52 -0.42 -0.56 0.19 -0.45 -0.30 0.06 -0.52 0.77 0.39 -0.65 -0.33 0.14 -0.65 -0.09 0.86 0.77 1.00 -0.65 -0.32 0.25 -0.12 -0.06 avg eigenvector -0.14 -0.02 0.28 -0.38 -0.42 0.29 0.31 0.35 0.39 0.09 0.09 -0.19 0.49 0.09 0.36 -0.02 max eigenvector -1.00 NWCC NSCC edges num_nodes avg_betweenness max_betweenness max_closeness avg_degree max_degree min_degree degree_variance avg_eigenvector max_eigenvector avg_closen

- 1.0

- 0.8

- 0.6

- 0.4

- 0.2

- 0.0

- -0.2

- -0.4

- -0.6

Correlation