Correlation Heatmap for Sci-Tech difference graph ag-news misclassified 1.00 0.60 0.48 0.11 0.22 1.00 -0.51 -0.47 -0.65 -0.59 -0.64 0.01 1.00 num nodes num_edges -0.48 0.22 -0.51 -0.47 -0.65 -0.59 1.00 1.00 0.60 0.11 1.00 -0.64 0.01 -0.99 0.41 -0.80 -0.77 -1.00 -0.89 avg_degree -0.60 0.60 1.00 0.29 0.21 0.60 -0.12 max degree -0.48 0.48 0.41 1.00 0.79 0.93 0.48 -0.45 -0.41 -0.44 -0.41 -0.42 0.09 0.11 0.11 0.79 0.11 -0.33 -0.29 degree_variance 0.29 1.00 0.87 -0.38 -0.30 -0.22 -0.01 degree skewness -0.22 0.22 0.21 0.93 0.87 1.00 0.22 -0.30 -0.26 -0.23 -0.22 -0.19 0.07 1.00 1.00 0.60 0.48 0.11 0.22 1.00 -0.51 -0.47 -0.65 -0.59 -0.64 0.01 NSCC avg betweenness --0.51 -0.51 -0.80 -0.45 -0.38 -0.30 -0.51 1.00 0.84 0.82 0.96 0.77 0.06 -0.33 -0.26 max betweenness --0.47 -0.47 -0.77 -0.41 -0.47 0.96 1.00 0.81 0.78 0.75 0.05 -0.65 -0.65 -0.99 -0.29 -0.23 -0.65 0.81 1.00 0.99 0.91 0.84 avg closeness -0.44 0.10 -0.59 -0.22 -0.59 -0.59 0.78 0.99 1.00 max_closeness --1.00 -0.41 -0.30 0.82 0.88 0.13 avg_eigenvector --0.64 -0.64 -0.89 -0.42 -0.22 -0.19 -0.64 0.77 0.75 0.91 0.88 -0.23 1.00 -0.23 -0.12 1.00 max eigenvector -0.01 0.01 0.09 -0.01 0.07 0.01 0.06 0.05 0.10 0.13 NSCC num_nodes num_edges avg_degree degree_skewness avg_betweenness max_betweenness avg_closeness max_closeness max_degree avg_eigenvector

- 1.00 - 0.75

- 0.50

- 0.25

Correlation

0.00

-0.25

- -0.50

- -0.75