

Table 1: Spearman correlation coefficients between ROC AUC score and characteristics of real-world datasets from Table 4

Model	h_{edge}	h_{node}	h_{class}	h_{adj}	LI_{edge}	LI_{node}
GraphSAGE	0.64	0.62	0.67	0.61	0.78	0.82
GAT	0.69	0.65	0.74	0.69	0.85	0.84

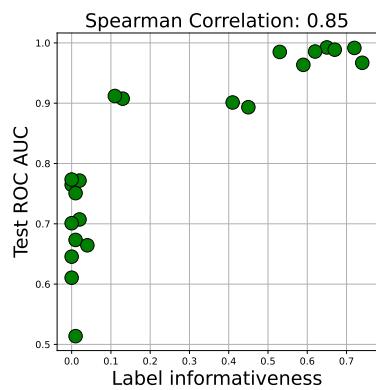


Figure 1: Performance of GAT on real graphs vs LI_{edge}

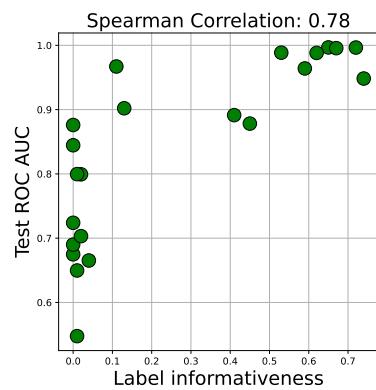


Figure 2: Performance of GraphSAGE on real graphs vs LI_{edge}