Multi-class with industry as node feature

GraphSAGE GCN GAT SGC

Loss 0.2506 0.4272 0.5427 0.4974

Validation F1 Score 0.5063 0.3943 0.3537 0.3950

Validation Accuracy 0.3636 0.2947 0.2665 0.2962

Validation Precision 0.5400 0.4761 0.4024 0.4000

Validation Recall 0.4927 0.3872 0.3446 0.3991

Test F1 Score 0.5069 0.4246 0.3728 0.4063

Test Accuracy 0.3614 0.3043 0.2691 0.2923

Test Precision 0.5159 0.4530 0.3916 0.4075

Test Recall 0.5028 0.4181 0.3685 0.4129

Multi-class with node degree as node feature

GraphSAGE GCN GAT SGC

Loss 0.2408 0.4482 0.5759 0.5508

Validation F1 Score 0.4818 0.3848 0.3052 0.3668

Validation Accuracy 0.3511 0.2806 0.2320 0.2665

Validation Precision 0.5013 0.4304 0.3308 0.3801

Validation Recall 0.4718 0.3750 0.3048 0.3671

Test F1 Score 0.4950 0.4057 0.3508 0.3598

Test Accuracy 0.3545 0.2917 0.2478 0.2622

Test Precision 0.5050 0.4076 0.3684 0.3659

Test Recall 0.4918 0.4069 0.3466 0.3681