

[Openreview 2020] Graph-Based Neural Network Models with Multiple Self-Supervised Auxiliary Tasks [paper]

Node/Graph Tasks: Node classification

Training Type: joint training

Autoencoding: node features, graph topology

The pretext task is to train a GNN model to extract features that can be used to reconstruct the vertex features.

Corrupted feature reconstruction: node features, graph topology

The pretext task is to train a GNN model to extract features from corrupted node features that could be used to reconstruct the original incorrupted node features.

Corrupted embedding reconstruction: node features, graph topology

The pretext task is to train a GNN model to extract features from corrupted node embeddings (not features) that could be used to reconstruct the original node embeddings.

Initial short summary here

Bibtex:

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