We propose a new algorithm for optimizing graph neural networks.
We use the natural gradient information to optimize the graph
neural network. We show that our algorithm is more efcient
than existing algorithms. The authors propose a new method for
training neural networks that is based on the idea of
using a pre-trained network to learn the parameters of a
new network. The GNN is a generalization of the NN
to the graph domain. The GCN is a GNN with
a linear approximation to the spectral graph convolution followed by
a non-linear activation function. The Hessian is the matrix of
second-order partial derivatives of the loss function. The Fisher information
matrix is the negative of the Hessian of the log-likelihood.
The best results are obtained with Adam-KFAC.