

We propose to use the natural gradient to optimize graph neural networks. We develop an I have a new paper on the arXiv about semi-supervised learning with Gaussian networks. The authors propose a new way to train neural networks. The idea is to use a pre-trained network to predict the missing links in a network trained using backpropagation. The GCN is a GNN with a linear approximation to spectral graph convolution, followed by a non-linear activation function. The Hessian is the derivative of the Fisher information matrix. The algorithm is to use the empirical Fisher information matrix to approximate the Fisher information matrix. The results are not conclusive, but they do show that Adam is better than SGD, and that Adam-KFAC is better than Adam.