Programming Assignment 5

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tSNE Plots of Learned Representations

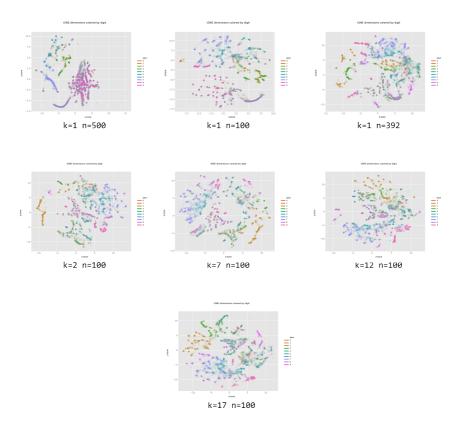


Figure 1: 2-Dimensional Representation using tSNE

Effect of Using different values of k

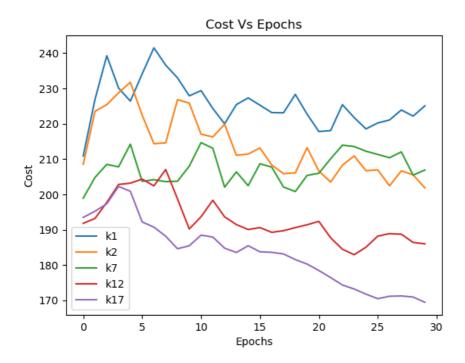


Figure 2: Running Gibbs Chain k times, In every step of Stochastic Gradient Descent

It is evident from the experiments that if we let the chain to run longer, i.e. for high values of k we get better results.

Samples generated by Gibbs Chain

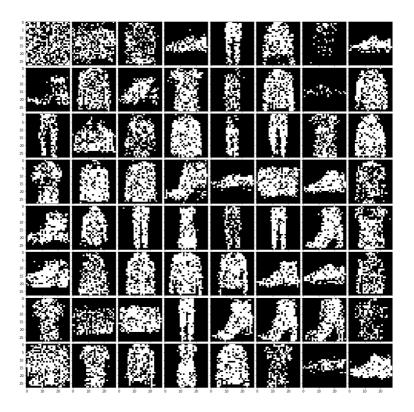


Figure 3: Samples generated by Gibbs Chain after every $\frac{m}{64}$ steps of SGD