

# Deep Neural Networks

Embeddings - Lab

# Exercises for this week

1. Play with Tensorboard Embedding Visualization:  
<https://github.com/rmeertens/Simplest-Tensorflow-Tensorboard-MNIST-Embedding-Visualisation>. Be sure to play with t-SNE and change the number of instances
2. Use pre-trained GloVe embeddings to train a classifier for “20 Newsgroup dataset”. You can follow this tutorial:  
<https://blog.keras.io/using-pre-trained-word-embeddings-in-a-keras-model.html>. Try to improve the score.
3. (Optional) use TensorFlow instead of Keras.
4. (Optional) train your own embeddings, and use them instead.