

Natural Language Processing (CS535) Fall 2019

Homework 3

Due: Friday, **11th** Oct 2019

In this assignment you are required to implement wordToVec Model. You are given a starter code for this assignment. The starter code is WordToVec implementation of Skip gram Model. You are required to implement following functions:

1. Negative Sampling
2. CBOW Model with Negative Sampling
3. Train the model on given text file
4. Test model by printing top 5 most similar words to a given word

I have attached a tutorial on gradients for WordToVec. You can get gradients of CBOW with negative sampling from this tutorial

Submission

Submit your code file on slate. Write code for all questions in one file