

Word2Vec

Partha Ghosh

September 4, 2020

Contents

Skip-grams: In this model we chose a context word randomly from a sentence and a target word in ± 10 words window from the context word and use these two words to train a NN to learn the word embeddings.

context word = $\mathbf{o}_j \rightarrow E\mathbf{o}_j \rightarrow \mathbf{e}_j \rightarrow \text{NN} \rightarrow \text{softmax} \rightarrow \mathbf{o}_k = \text{target word}$