

NLP and Word Embeddings

Word2Vec

Skip-grams

I want a glass of orange juice to go along with my cereal.

Orange Oronge

Model

Vocab size = 10,000k

Andrew Ng

Problems with softmax classification

$$p(t|c) = \frac{e^{\theta_t^T e_c}}{\sum_{j=1}^{10,000} e^{\theta_j^T e_c}}$$
Hierakil softmer.

$$\sum_{j=1}^{10,000} e^{\theta_j^T e_c}$$
Hierakil softmer.

How to sample the context c?

Andrew Ng