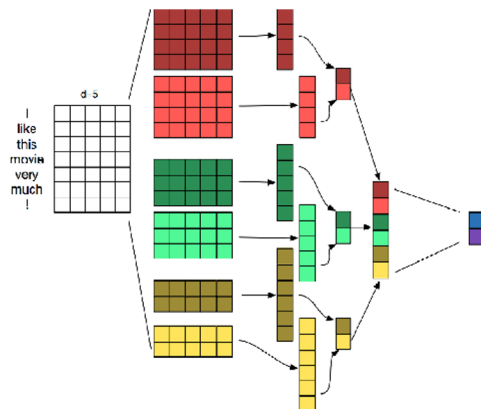


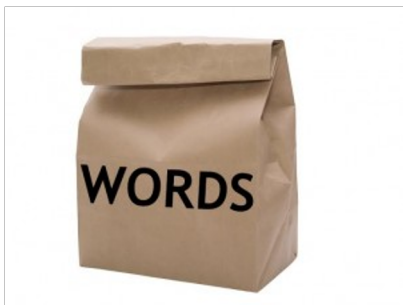
Seminar 7: NLP intro

Actually, AI does not exist. It is just ML.



99% toxic comment

Bag of words

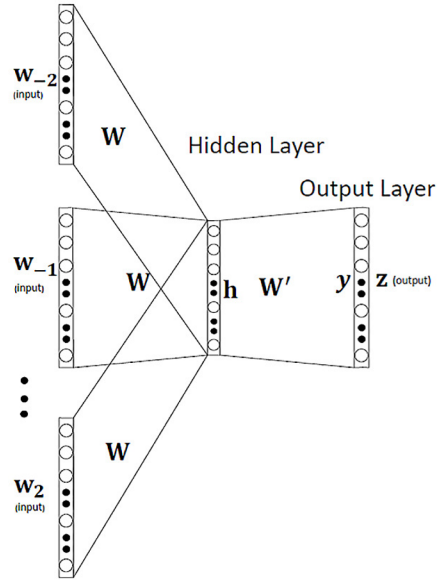


What is wrong with BoW?

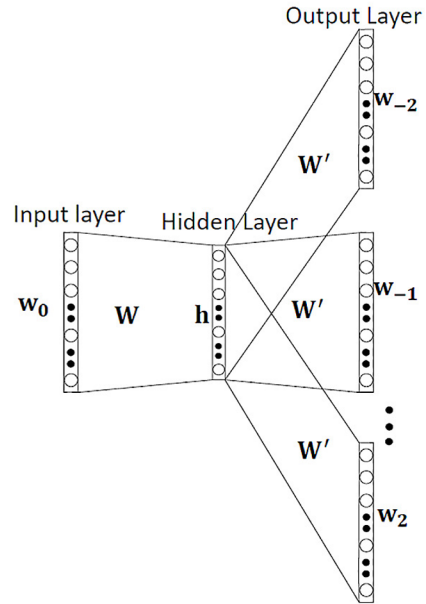
	the	red	dog	cat	eats	food
1. the red dog →	1	1	1	0	0	0
2. cat eats dog →	0	0	1	1	1	0
3. dog eats food →	0	0	1	0	1	1
4. red cat eats →	0	1	0	1	1	0

Word2Vec

Input layer

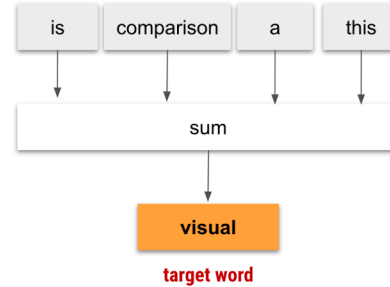


(a) CBOW

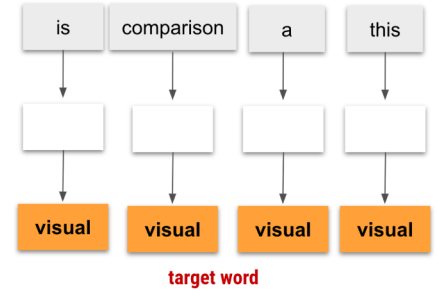


(b) Skip-Gram

CBOW



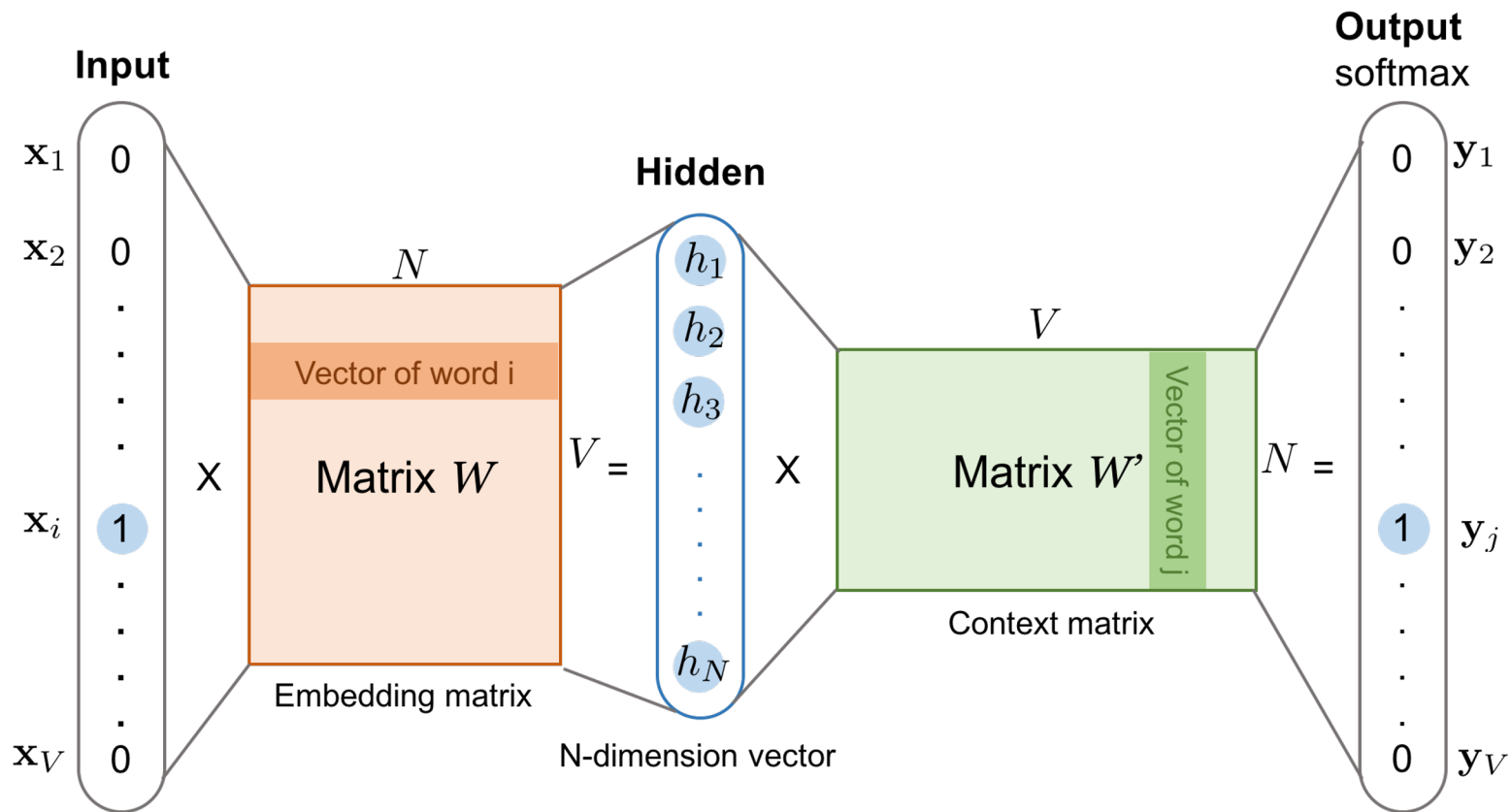
SkipGram



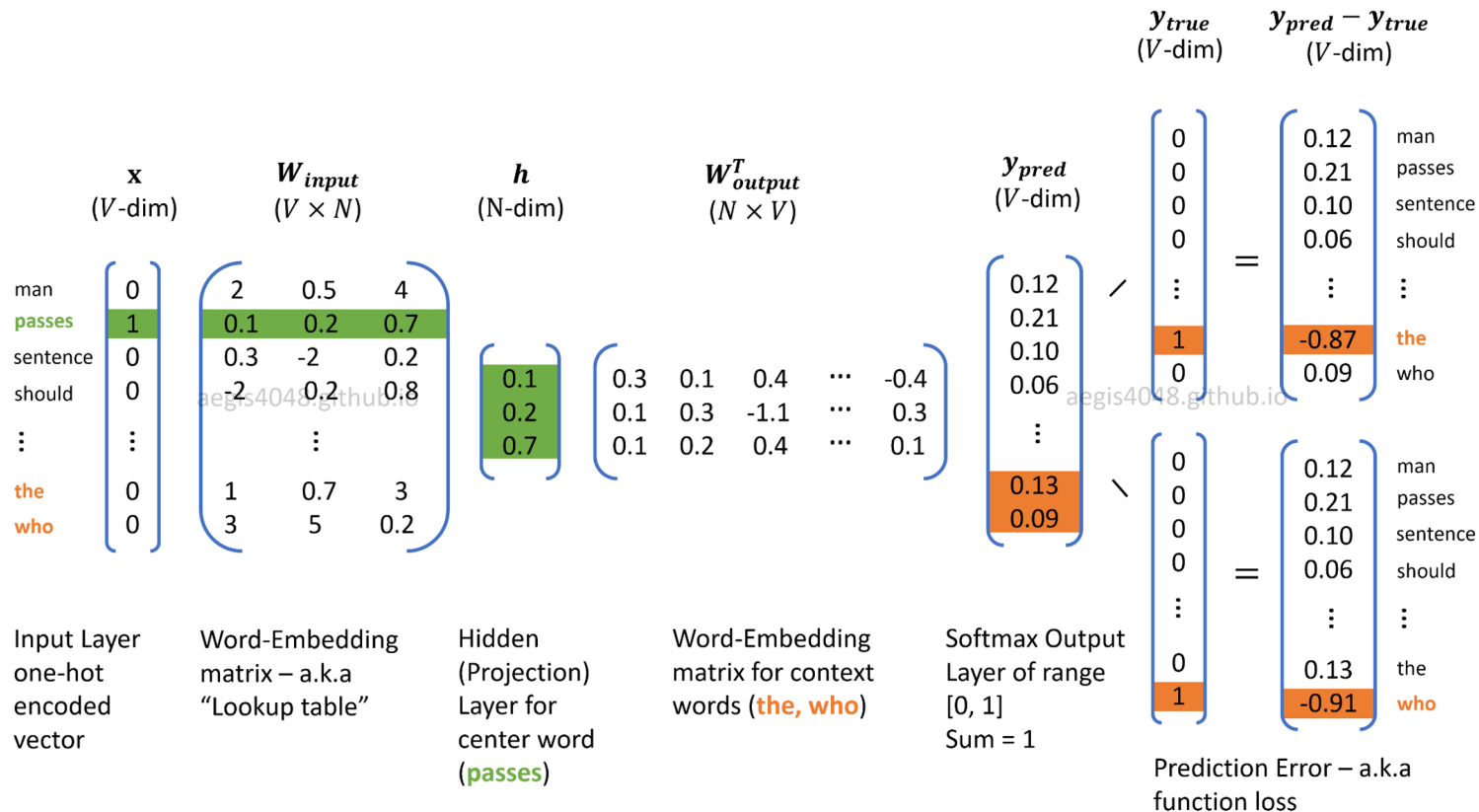
By: Kavita Ganesan

This is a visual comparison

Skip gram

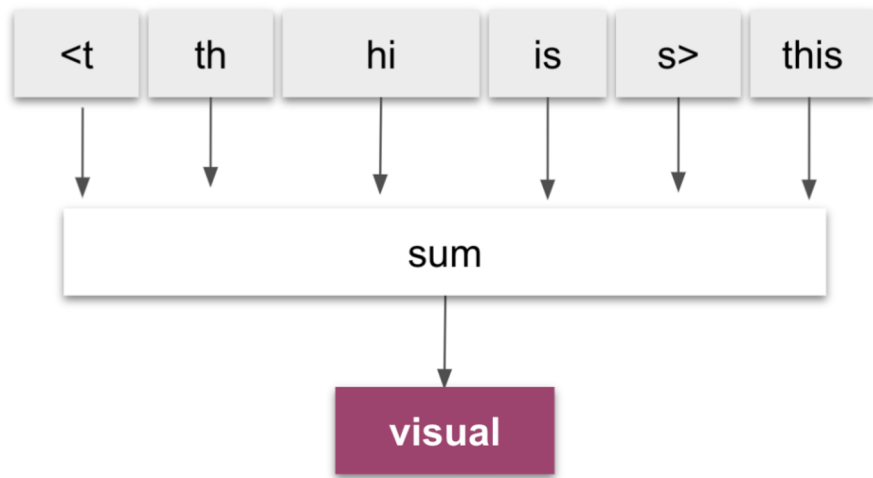


Skip gram



Fasttext

fastText



Word2Vec

