

CS565: Intelligent Systems and Interfaces



Vector Semantics 2

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Announcements

- Scribe
 - Manik Bhosle (184101021), Satya Prakash (150101087): 22nd Mar, 2019
 - Scribes need to discuss both CBOW and skip-gram models.

Objective

- Discuss Short and Dense Vector Representation of Words
 - SVD on co-occurrence matrix
 - Word2Vec models: Skip-gram with negative sampling

References

- <https://web.stanford.edu/~jurafsky/slp3/6.pdf>
- Stanford CS224n – Notes 1 and notes 2 [Optional]
 - <http://web.stanford.edu/class/cs224n/readings/cs224n-2019-notes01-wordvecs1.pdf>
 - <http://web.stanford.edu/class/cs224n/readings/cs224n-2019-notes02-wordvecs2.pdf>