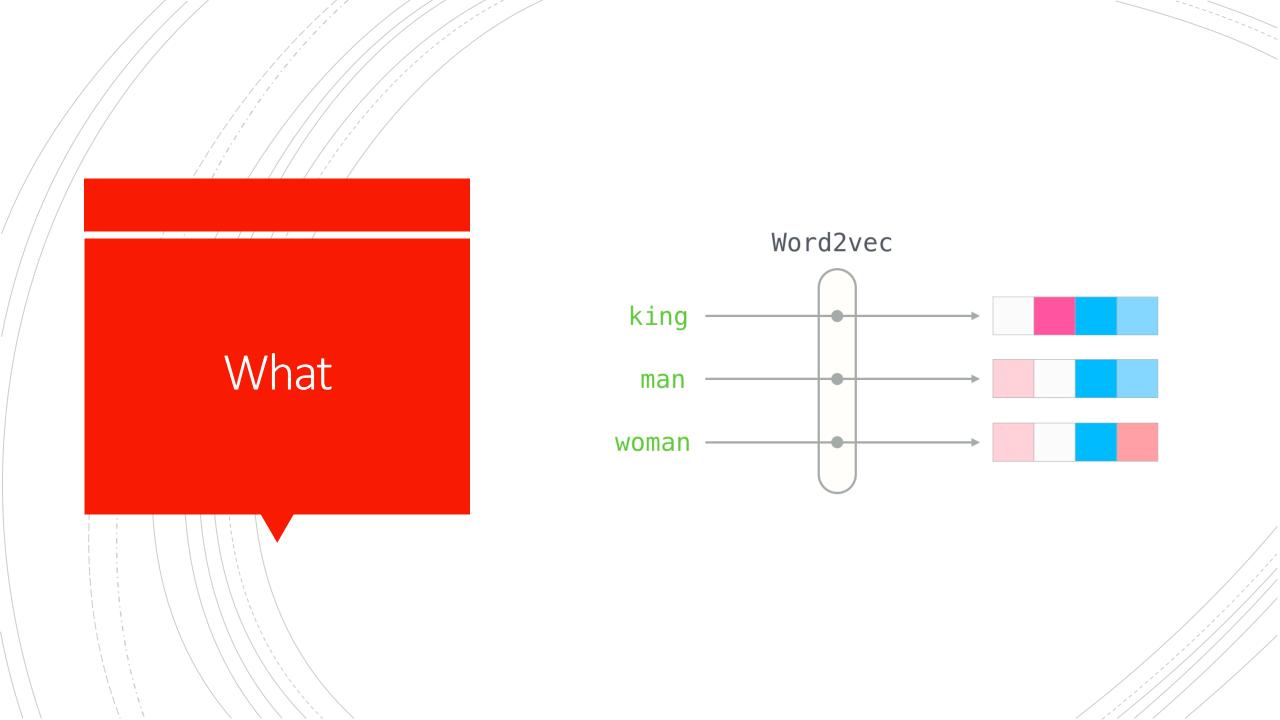
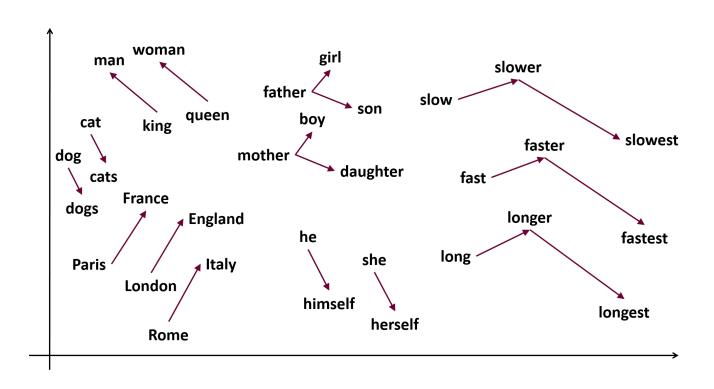
MSiA 490_SEC20 Special Topics: Text Analytics

Wang, Timo

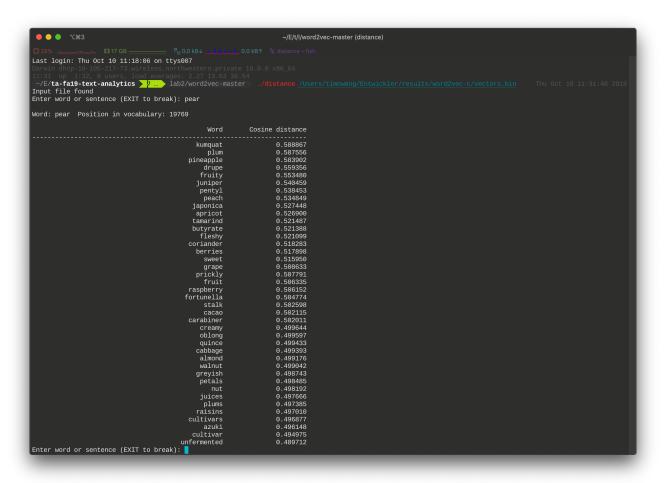




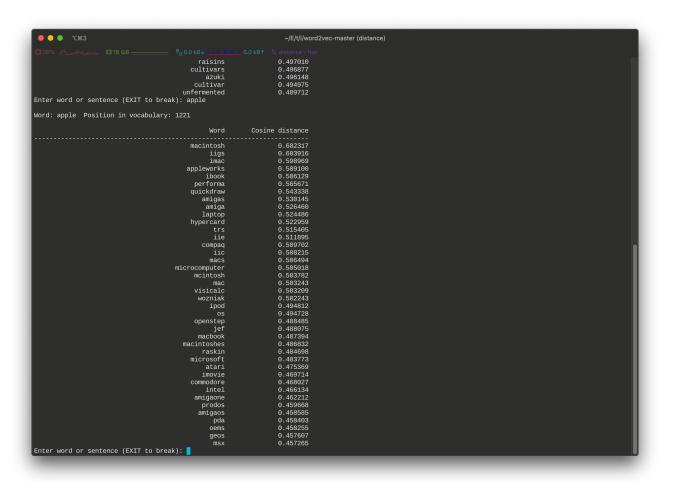


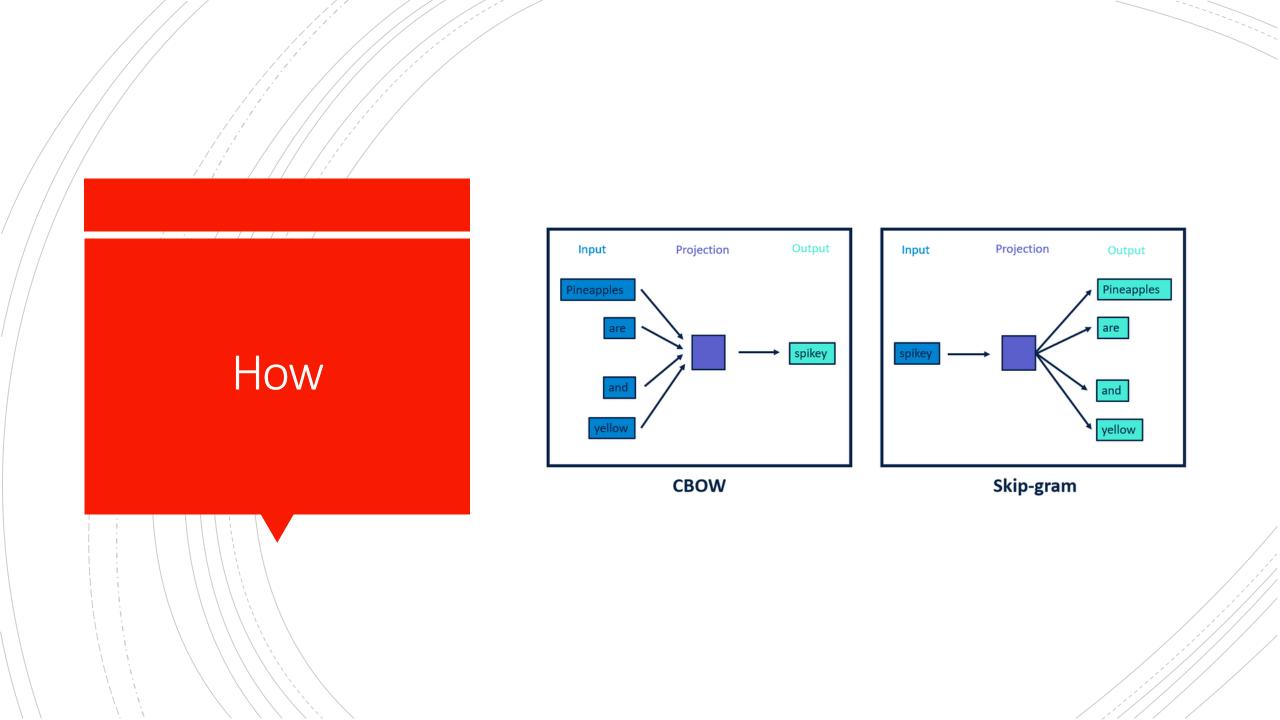












Option 1—The Original C Library

- Step1 Download the project from https://github.com/tmikolov/word2vec
- Step 2 Read demo-word.sh
- Step 3 Follow the script as a guideline and train on your own corpus

Option 1 – The Original C Library

Tips for troubleshooting (macOS Catalina)

- 2. Undefined symbols for architecture x86_64:
 "_fgetc_unlocked", referenced from:
 => replace fgetc_unlocked with getc_unlocked
 - => replace fgetc_unlocked with getc_unlocked, fputc_unlocked with putc_unlocked.

Option 2 – Gensim Library

- Step 1 Download Gensim library through pip
- Step 2 Load and format the corpus as required: List[List[str]]
- Step 3 Train and save the Word2Vec model
- Step 4 Play with the word embeddings

Option 2 – Gensim Library

More details and tutorials

- https://towardsdatascience.com/a-beginners-guide-toword-embedding-with-gensim-word2vec-model-5970fa56cc92
- https://radimrehurek.com/gensim/models/word2vec.h
 tml

One More Thing

Geoffrey Hinton and Yann LeCun, 2018 ACM Turing
 Award Lecture "The Deep Learning Revolution"