NLP and Word Embeddings

Embedding matrix

deeplearning.ai

Embedding matrix

6257

a   aaron   . . . .   orange   . . . . .   zulu   ⟨UNK⟩

E

300

10,000

O_{6257}

← 6257

$$E \cdot O_{6257} =$$

(300, 10K)   (10K,1)

$$= e_{6257}$$

(300,1)

$$E \cdot O_j = e_j$$

= embedding for word j
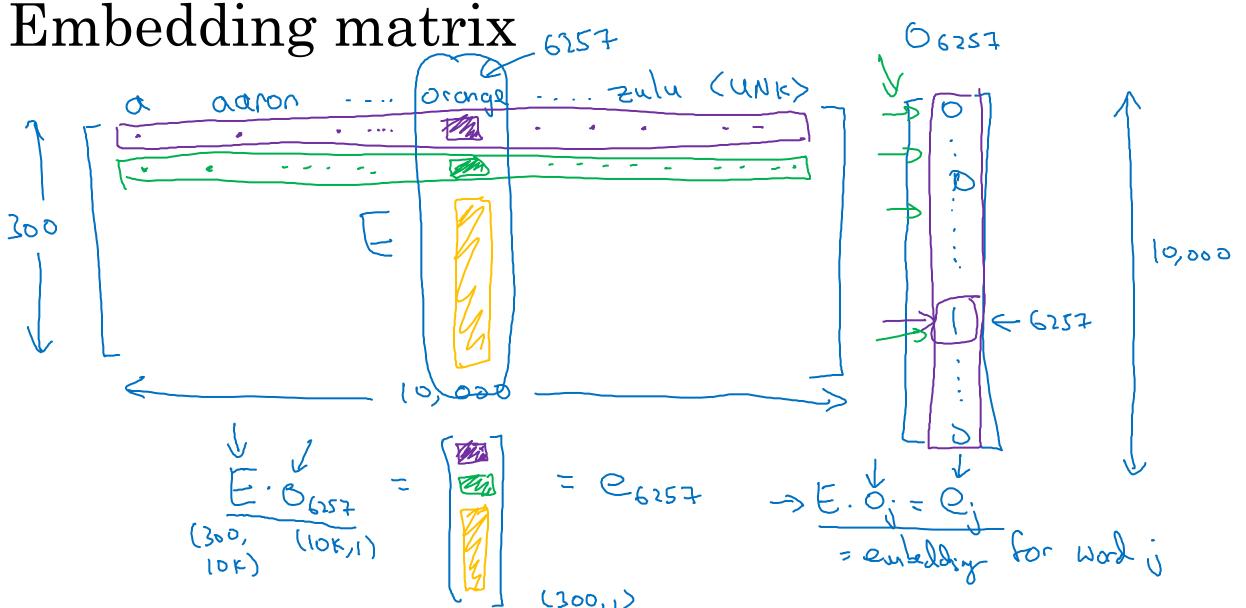
In practice, use specialized function to look up an embedding.

→ Embedding

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