



deeplearning.ai

NLP and Word Embeddings

Sentiment classification

Sentiment classification problem

x  y

The dessert is excellent.



Service was quite slow.



Good for a quick meal, but
nothing special.



Completely lacking in good taste,
good service, and good
ambience.



10,000  100,000 words

Simple sentiment classification model

The dessert is excellent



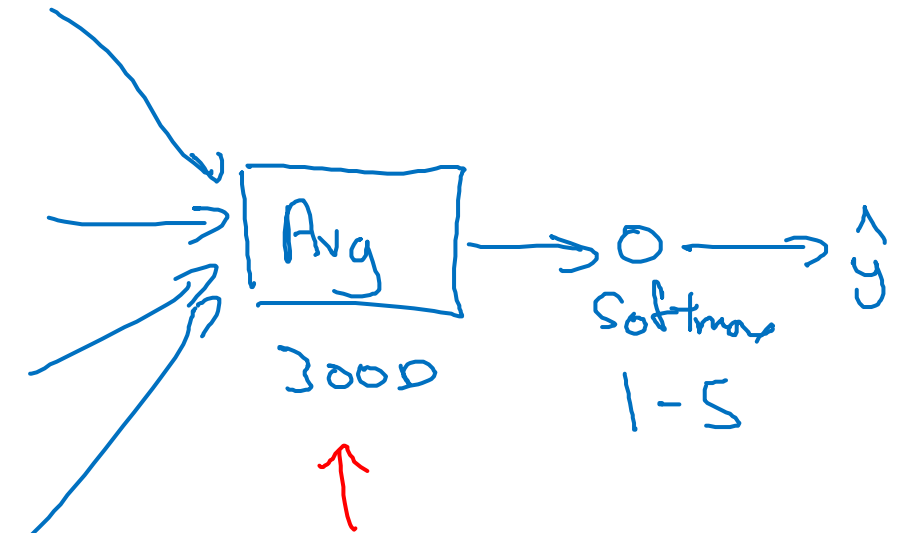
8928 2468 4694 3180

The o_{8928} \longrightarrow e_{8928}

desert o_{2468} \longrightarrow E \longrightarrow e_{2468}

is o_{4694} \longrightarrow E \longrightarrow e_{4694}

excellent o_{3180} \longrightarrow E \longrightarrow e_{3180}



“Completely lacking in good taste, good service, and good ambience.”

\uparrow
100 B
words

$\underbrace{\hspace{1.5cm}}$
3000

RNN for sentiment classification

