



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.



Training Set 10,000 \rightarrow 100,000 words

Simple sentiment classification model

The dessert is excellent



8928 2468 4694 3180

one-hot

Embedding

The

o_{8928}

E

e_{8928}

dessert

o_{2468}

E

e_{2468}

is

o_{4694}

E

e_{4694}

excellent

o_{3180}

E

e_{3180}

Avg

3000

Softmax

1-5

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

1003
words

Problem: ignoring word order

RNN for sentiment classification

