

NLP and Word Embeddings

Sentiment classification

Sentiment classification problem

 $x \rightarrow y$

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.

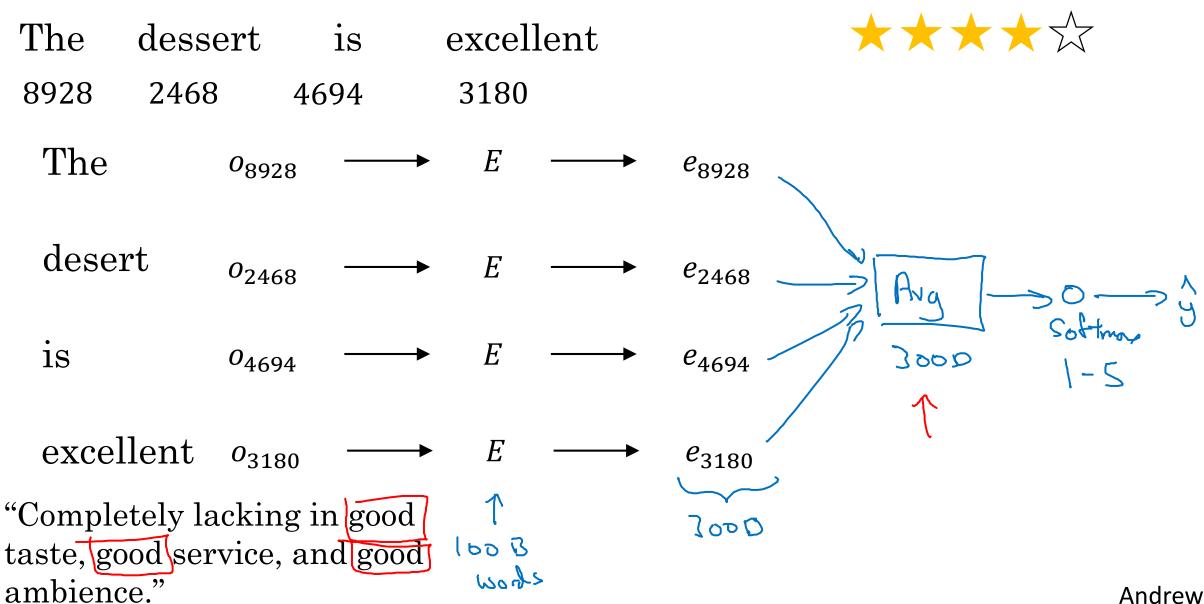








Simple sentiment classification model



Andrew Ng

RNN for sentiment classification softmax $a^{<4>}$ $a^{<2>_1}$ $|a^{<3>}|$ <10> e_{3882} e_{330} e_{1852} e_{4966} e_{4427} in nany-to-one Completely lacking good ambience obsent