

NLP and Word Embeddings

Sentiment classification

Sentiment classification problem

 $x \longrightarrow y$

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.

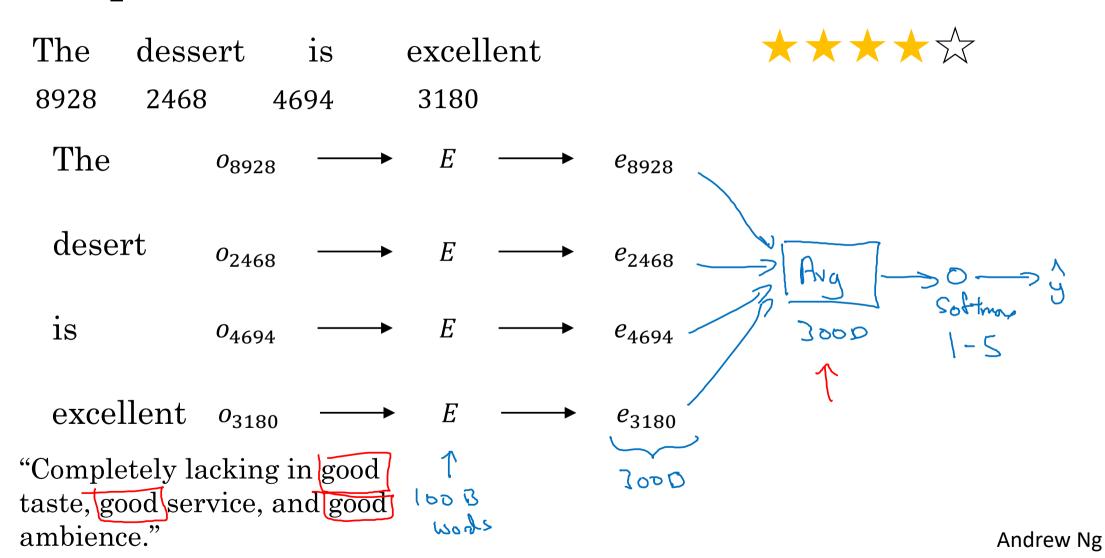








Simple sentiment classification model



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