Sen$ment Analysis

the movie was gross and overwrought, but I liked it

this movie was great! would watch again

this movie was not really very enjoyable

‣ Bag-of-words doesn’t seem sufficient (discourse structure, negation)
‣ There are some ways around this: extract bigram feature for “not X” for all X following the not

Pang et al. (2002)

Simple feature sets can do pretty well!
Learning alg. doesn’t matter too much

ME = “Maximum Entropy” = what we call Logistic Regression

Wang and Manning (2012)

‣ 10 years later — revisited basic BoW classifiers vs. other methods

Before neural nets had taken off — results weren’t that great

Kim (2014) CNNs 81.5 89.5