**Literature Review**

Broad overview of sentiment analysis/opinion mining

* Opinion mining includes polarity classification (of a single issue – which can have a degree to it) and agreement detection (should pair of text items receive same labels); can we detect and exclude “flames” – overly heated or antagonistic language.
* Extract feature vectors for term frequency and presence, use token position; adjectives heavily used for sentiment classification
* Unsupervised learning – sentiment lexicon a term’s prior polarity/subjectivity helps id contextual polarity or subjectivity
* Have to develop pos/neg specific to movies and books

What’s already been done w/ movies + books in the past

* Supervised learning (using numeric rating) with overall positive/negative classification of movie reviews using Naïve Bayes classifier (w/ 89% accuracy), AdaBoost algorithm, fuzzy lattice reasoning
* Book Reviews – 7 extracted features w/ pos-neg spectrum (used Amazon and Goodreads so includes some irrelevant to our purposes like price) – Sohail has a number of other papers on mining book reviews for book recommendation systems, should read these