50 Years of Billboard Top 100
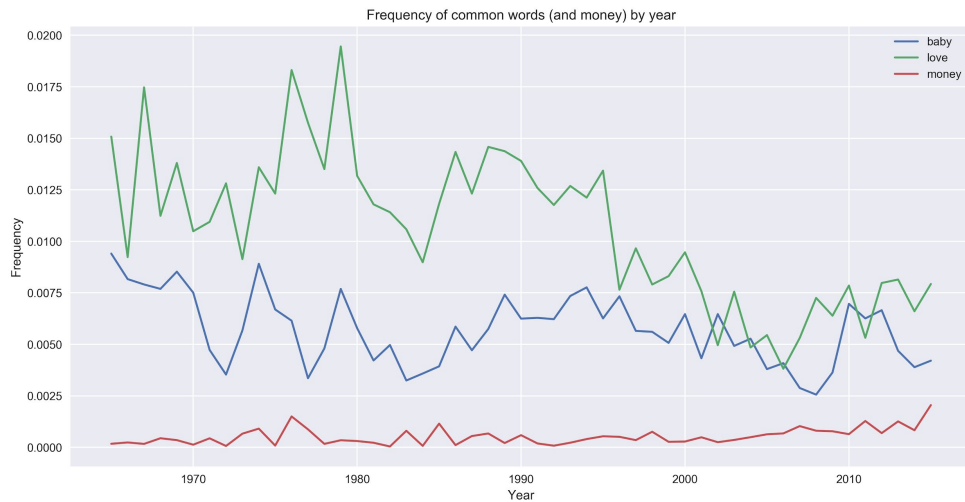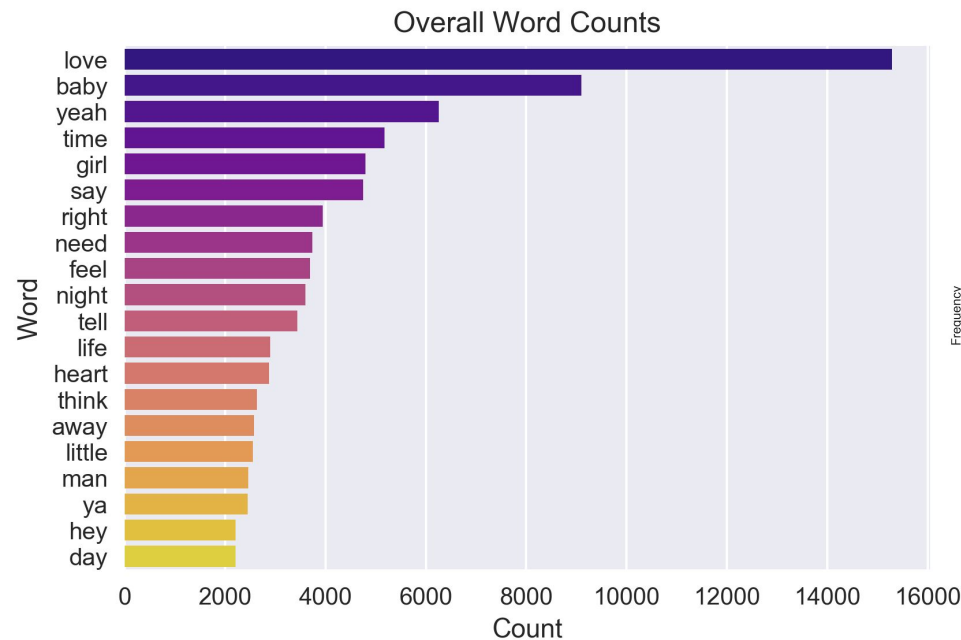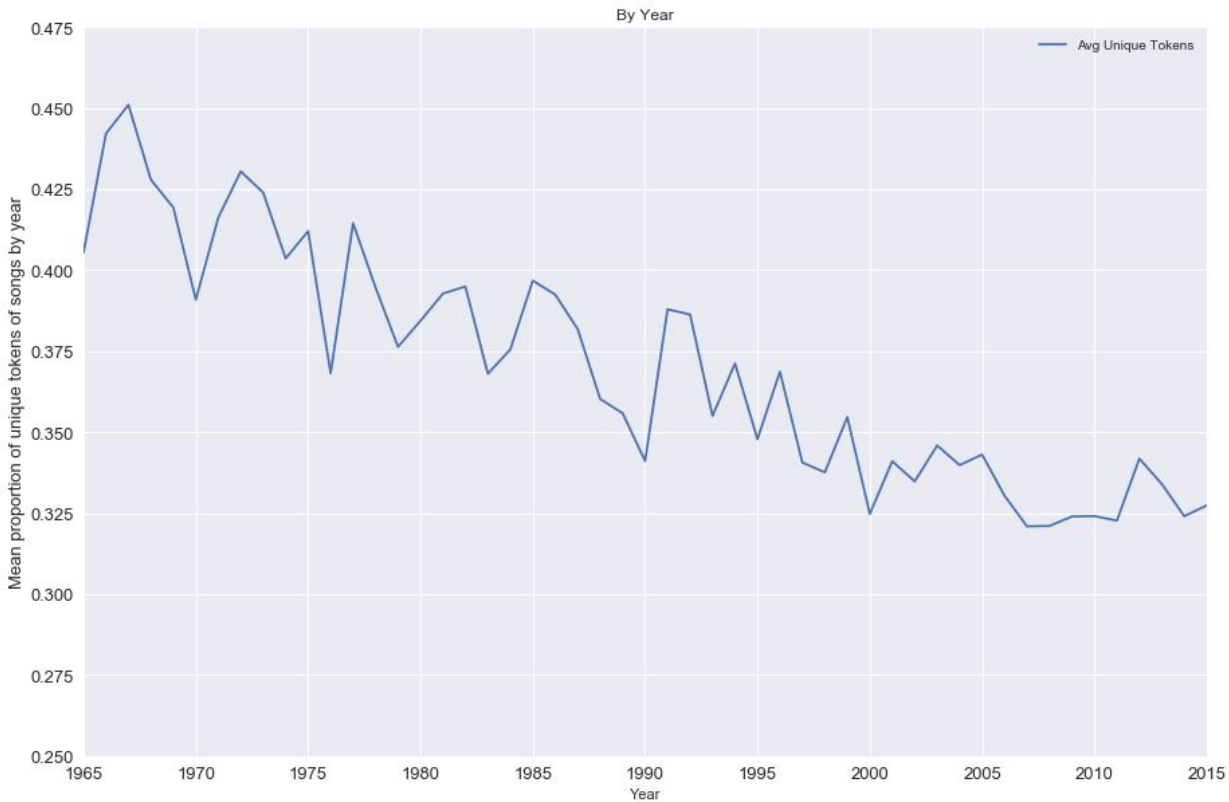
Jason Jiang

jasonjiang@berkeley.edu

Findings

- The most frequent words in popular songs are 'love' and 'baby'
  - But, the frequency of these words appearing have decreased year by year
- Songs have become more repetitive over the years
- Topic models do a decent job of capturing the zeitgeist of a decade

BONUS: Interact with my notebook to discover the frequency of your favorite word over the years, as well as the your favorite artist's favorite words to use in their songs!

Word counts and word frequency*

*Calculated frequency as the mean proportion of counts of a word in a song over a given year.

Repetition in popular songs

Mean of the number of unique tokens divided by the length of song for all songs in a specific year.