Visualizing Patterns in History and Literature
Problem & Motivation

● Understanding History
  ○ History books are static
  ○ Online resources are disjointed, not cohesive
  ○ Hard to get bird's eye view

● Wikipedia Information Space
  ○ Large volume of data
  ○ Collective point of view, interpretation, analysis

● Visualizing Patterns
  ○ Expose culturally important trends
  ○ Compare trends across history, literature, pop culture, etc.
Related Works

Interactive Visualization Tools for Exploring the Semantic Graph of Large Knowledge Spaces

Designing for Social Data Analysis
Martin Wattenberg, Jesse Kriss, 2006

Visualizing Topic Models
Allison J.B. Chaney and David M. Blei, 2012
Current Progress

Wikipedia ER diagram

Sketch
Design & Implementation Questions

● Metric for importance and relevance?
  ○ Most frequently used words (ones with semantic meaning)
  ○ Article length
  ○ Linked words
  ○ Revision count / page views

● Interactions?
  ○ Time range & slider
  ○ Focus on particular word (click or search)
  ○ Hover tooltips
  ○ Brushing & linking