

1. Humanities Data Visualization
2. Bookworm: Visualizing Libraries
 - platform for the analysis of large textual collections**
 - general users,**
 - (a) Family resemblance to Google Ngrams
 - i. Other ngrams:
 - A. Yale University Libraries
 - B. Medical Heritage Library
 - C. US State Department
 - D. Hathi
 - (b) A generative grammar for textual analysis
 - (c) Core functions of the grammar.
 - i. 1. Creating a corpus
 - ii. 2. Setting a working definition of texts and tokens
 - A. First, Texts.
 - B. Different kinds of multivariate approaches
 - useful even without words:**
 - C. Language
 - iii. Geocoding
 - (d) Crowdsourcing insight
3. Biased Language, Biased Data
4. Usage
5. Testing
6. Confirmation bias
7. Census Data
8. Boats
 - (a) The Maury DSL
 - i. A full-fledged API produces useful outputs.