Problem

- Bible is very lengthy and loaded
- Many ways to slice: words, authors, books, time periods, testaments, events etc.
- How can we effectively visualize, overlay, and compare Biblical text based on relevant partitions?
Goals

• Build out a tool for visualizing Biblical text that supports many different granularities and perspectives, leverages rich meta-data

• Combine drill-down + brushing + small-multiple to facilitate rapid and flexible iterative exploration

• Comprehending and comparing word(s) usage between different books, authors, historical contexts, or any combination thereof...
Prior Work

• Relation extraction node-link diagrams analyzing Bible shown in class, other NLP visualizations

• Cross-references within Bible

• Not many tools specifically for the Bible, but lots of application of general tools to Bible text (WordTree, etc.)
Storyboards

BIB.LY

Visualizing word distribution

[Enter] a word: John: faith

author  word
BIB.LY

VISUALIZING WORD DISTRIBUTION WITHIN THE KJV BIBLE // GARY LEE & ANIRUDH VENKATESH //

Enter a word: moses 776 appearances

Examples: love; faith; glory; praise; evil; wrath; God; Jesus; Adam; battle; plague; miracles; heaven; angel; devil; three; seven; twelve; man; woman

Joshua 1:5 There shall not any man be able to stand before thee all the days of thy life: as I was with Moses, so I will be with thee: I will not fail thee, nor forsake thee.

Count per 300 words

Moses leads Israel out of Egypt
Israel splits into two kingdoms
Fall of Jerusalem
Death of Jesus
Paul begins vast missionary journey

God creates the world
[Old Testament]

David becomes king of Israel
Psalms of David
Proverbs & Songs of Solomon
Birth of Jesus
[New Testament]

Book of Revelation
Progress & Roadmap

- Done: word distribution, historical context, hover verse annotations, XML verse lookup, verse context panel
- In Progress: brushing, smart search, backend metadata framework, lead user interview & field study
- To Do: replication, small-multiples, multi-brushing, statistics on brush query
- Difficult: different translations of Bible, different languages (Hebrew vs Greek vs English)
Feedback

- Moving beyond bars: ideas for appropriate and compelling visual representations?