



A Bible Character Analysis

4244

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Introduction

Lacking formal Bible studies initially, I felt unprepared discussing my beliefs. Inspired by a video on character relationships, I analyzed the Bible with modern tools, visualizing character connections using Python. This project aims to make the Bible more engaging and understandable, sparking insightful conversations about its characters and relationships.

Purpose

This Bible project uses computer tools to analyze character connections for accuracy and accessibility. Despite data challenges, expert review ensures reliability. Simplified presentation prioritizes user-friendliness, aiming to offer fresh insights into the Bible's relevance today.

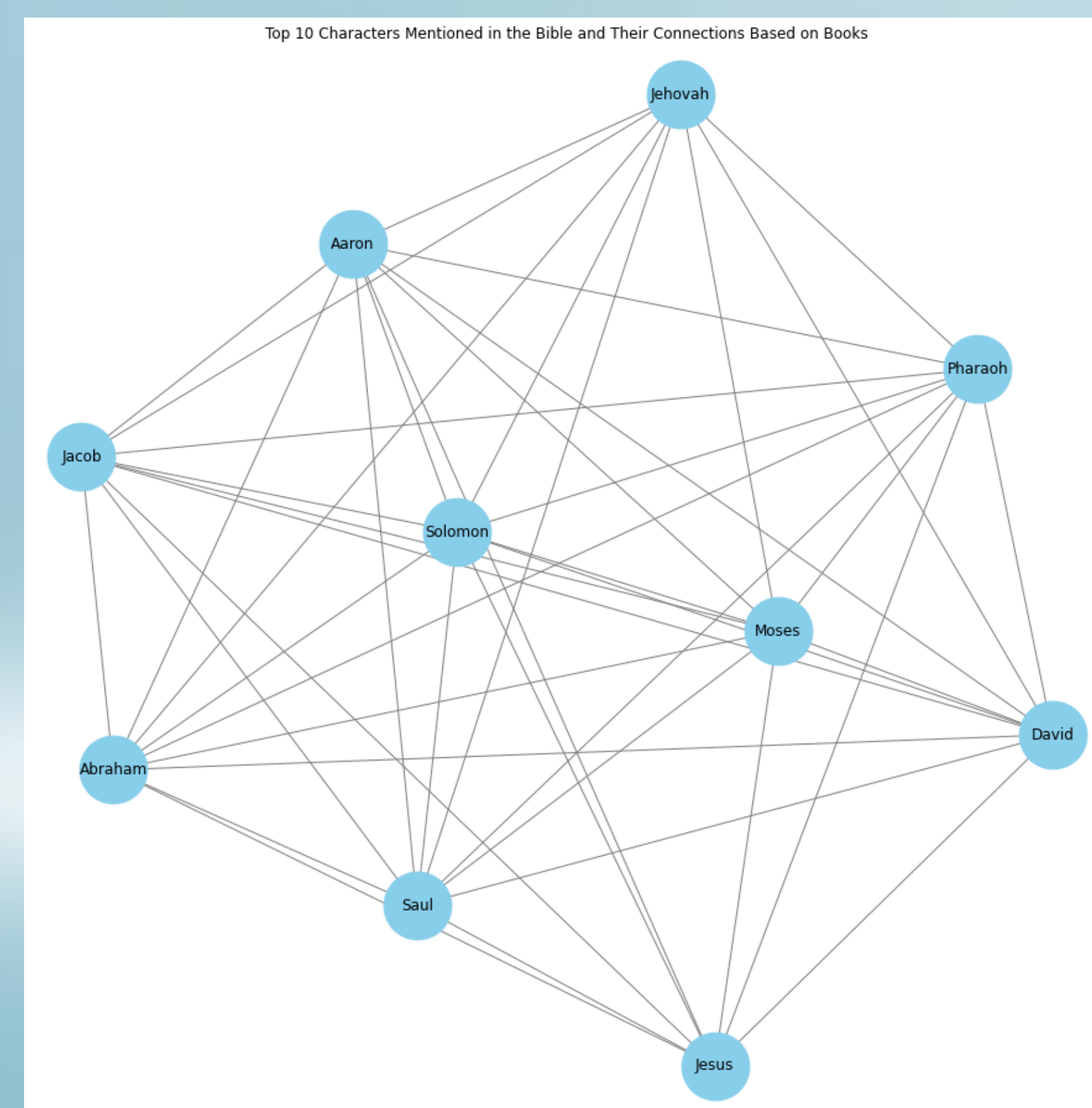
Methods

We collect and preprocess Bible text, store character data in a MySQL database, and analyze character mentions using spaCy. Visualizing with Matplotlib and NetworkX, we reveal insights into character relationships and narrative structure in the Bible.

Results

Top Ten Characters Graph:

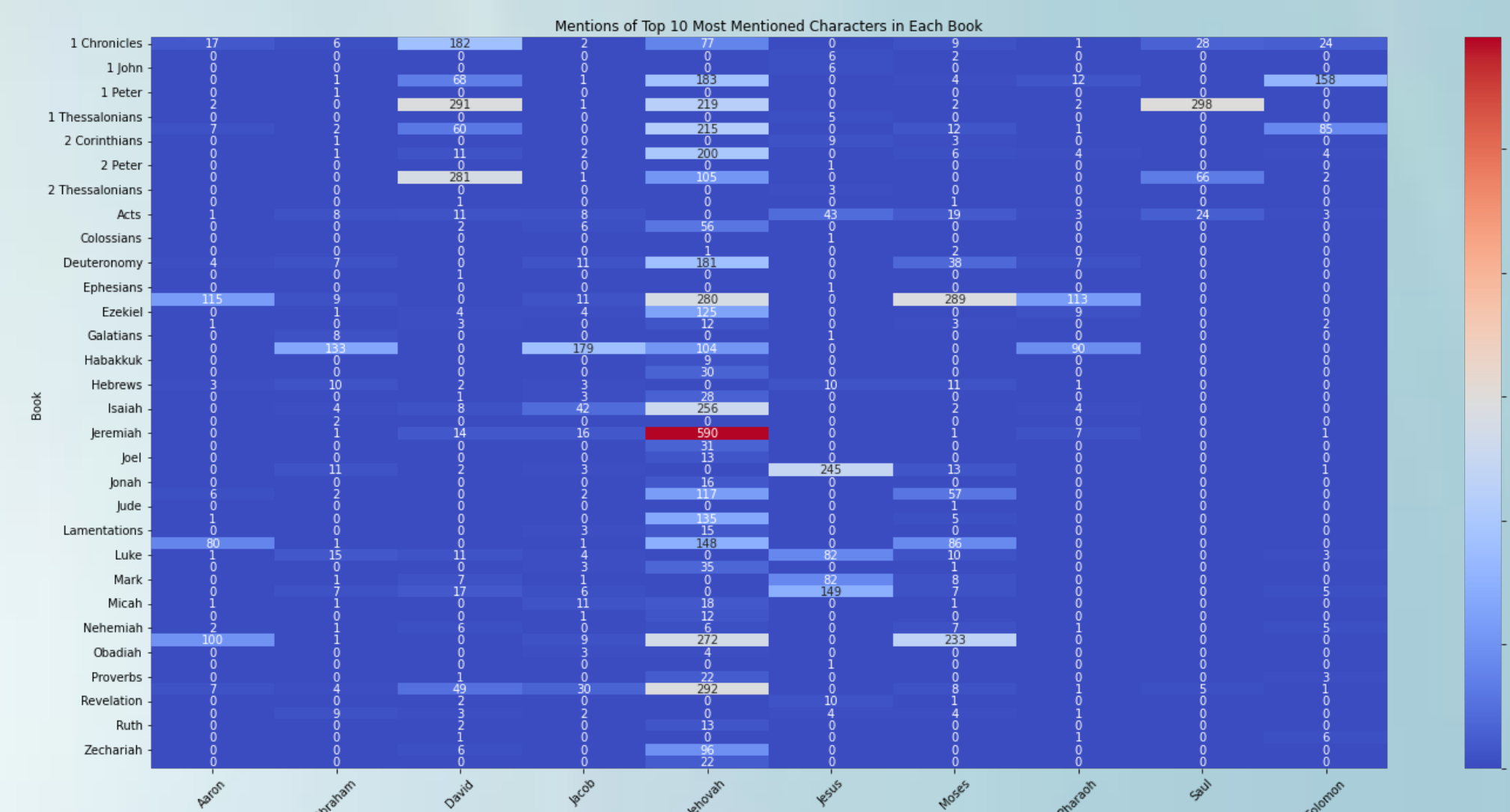
- Graph based on top ten characters mentioned in the Bible.
- Limitation: Only top ten characters considered due to large dataset (2,303 characters).
- Observation: "Jehovah" and "Jesus" not mentioned together, reflecting distinct aspects of God's relationship with humanity.



Results

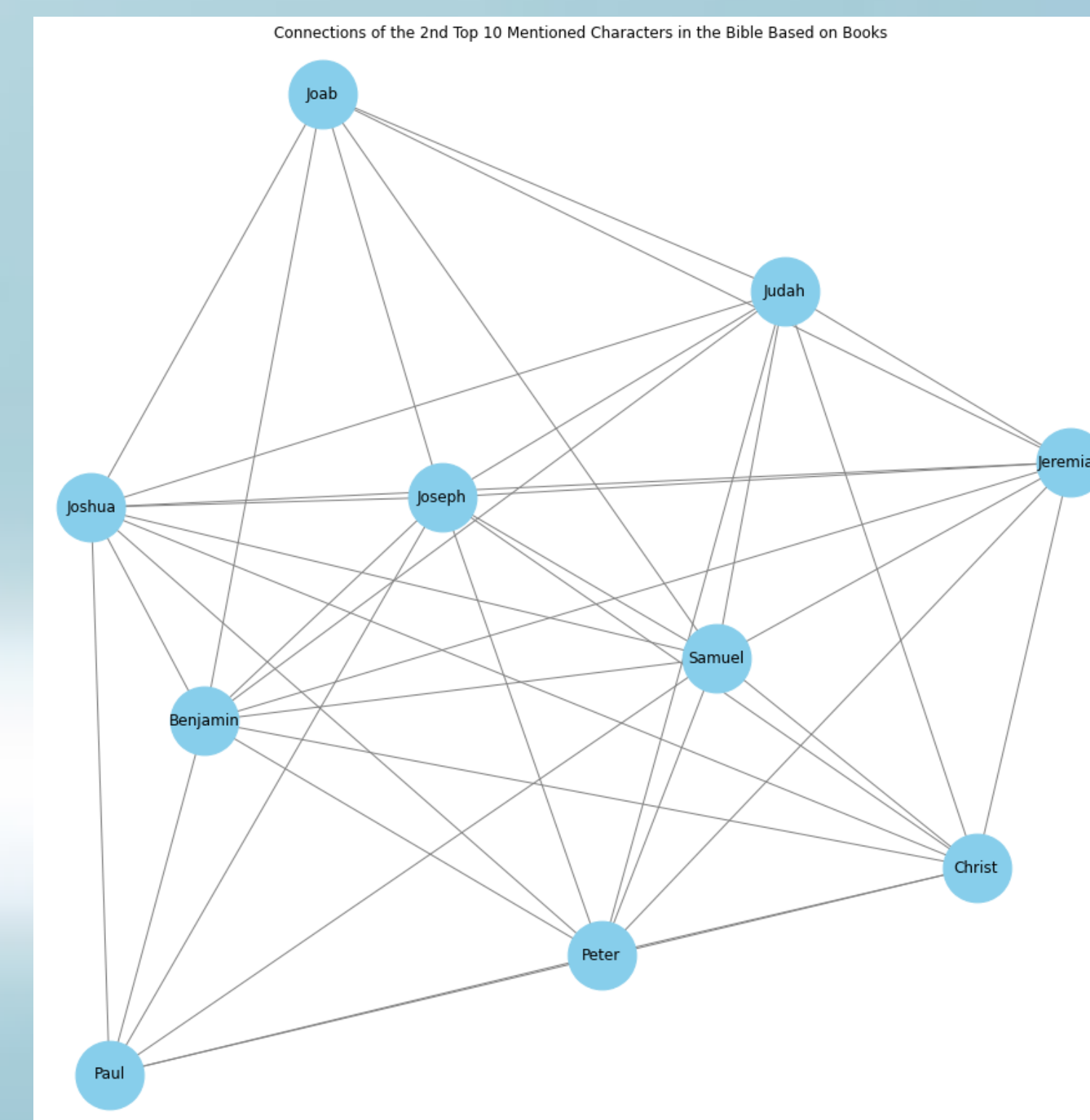
Character Importance Heat Map:

- Heat map showing character importance across different Bible books.
- Insight: "Jehovah" mentioned in most books, with significant presence in "Jeremiah."
- Observation: "Jehovah," "Jesus," and "David" prominently mentioned across various books, indicating potential focal points.



2nd Top Ten Graph:

- Graph analyzing second most mentioned characters based on co-occurrence in the same book.
- Insight: Characters like "Jacob" and "Peter" not mentioned together due to their roles in different historical periods.
- Observation: Graph highlights character relationships across distinct historical contexts within the Bible.



Conclusion

Top Bible characters analyzed: "Jehovah" and "Jesus" never mentioned together, reflecting distinct roles. "Jehovah" prominent, especially in Jeremiah. Consistent appearances of characters like Jehovah, Jesus, and David across books signify enduring significance. Examination reveals historical insights; figures like Joab and Peter not mentioned together due to differing periods.

Next Steps (TPACK)

Refine Character Identification, Contextual Analysis, Data Cleaning, Validation and Verification, Visualization Enhancement, and Integration of Additional Data

References

Works Cited

American Standard Version
Text File.

<https://openbible.com/texts.htm>

MatPlotLib.

<https://matplotlib.org/>.

NetworkX.

<https://networkx.org/>.

SpaCy.

<https://spacy.io/>.