



RUTGERS

Yelp Business Reviews: Indiana, Florida, Tennessee, and Pennsylvania



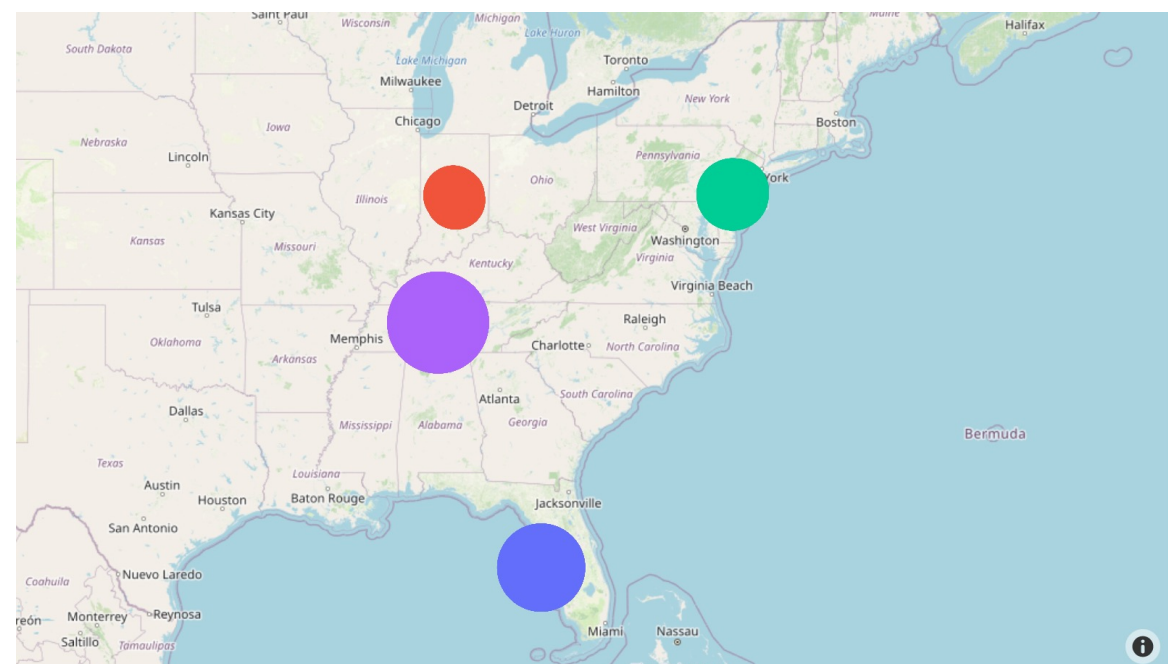
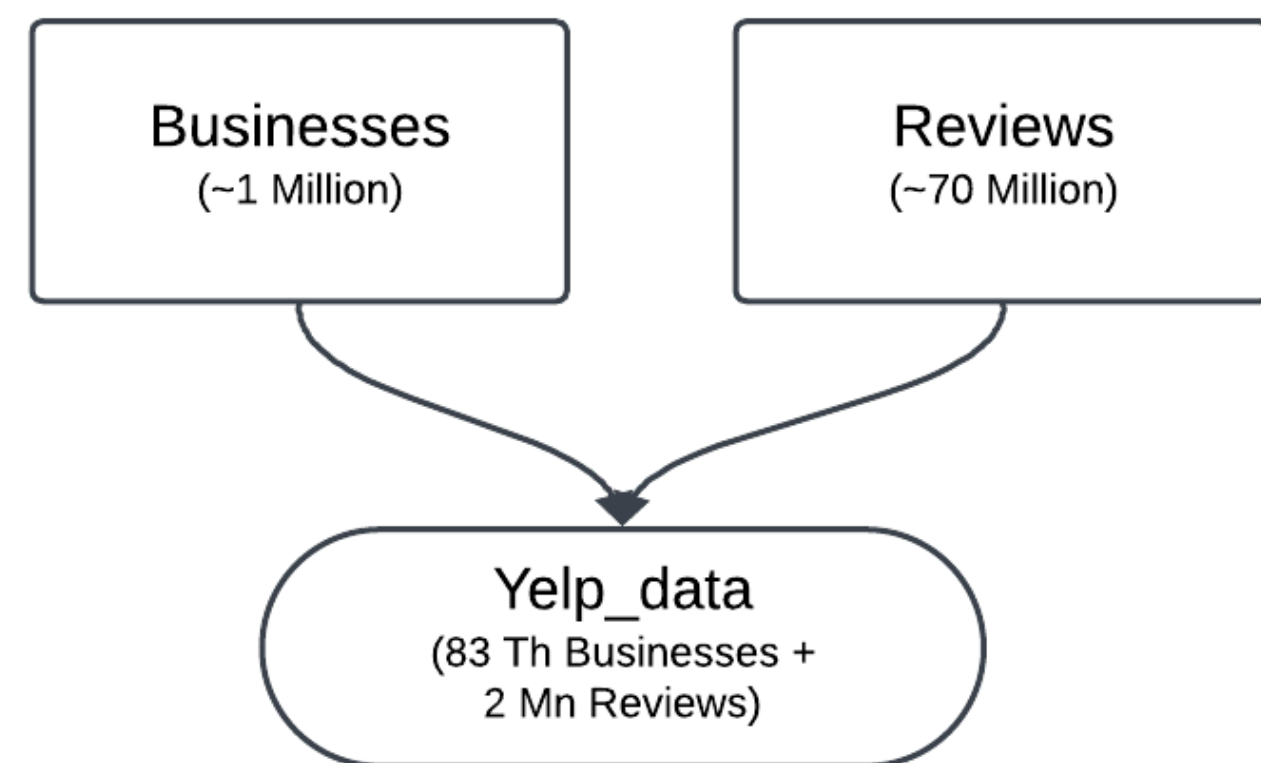
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Abstract

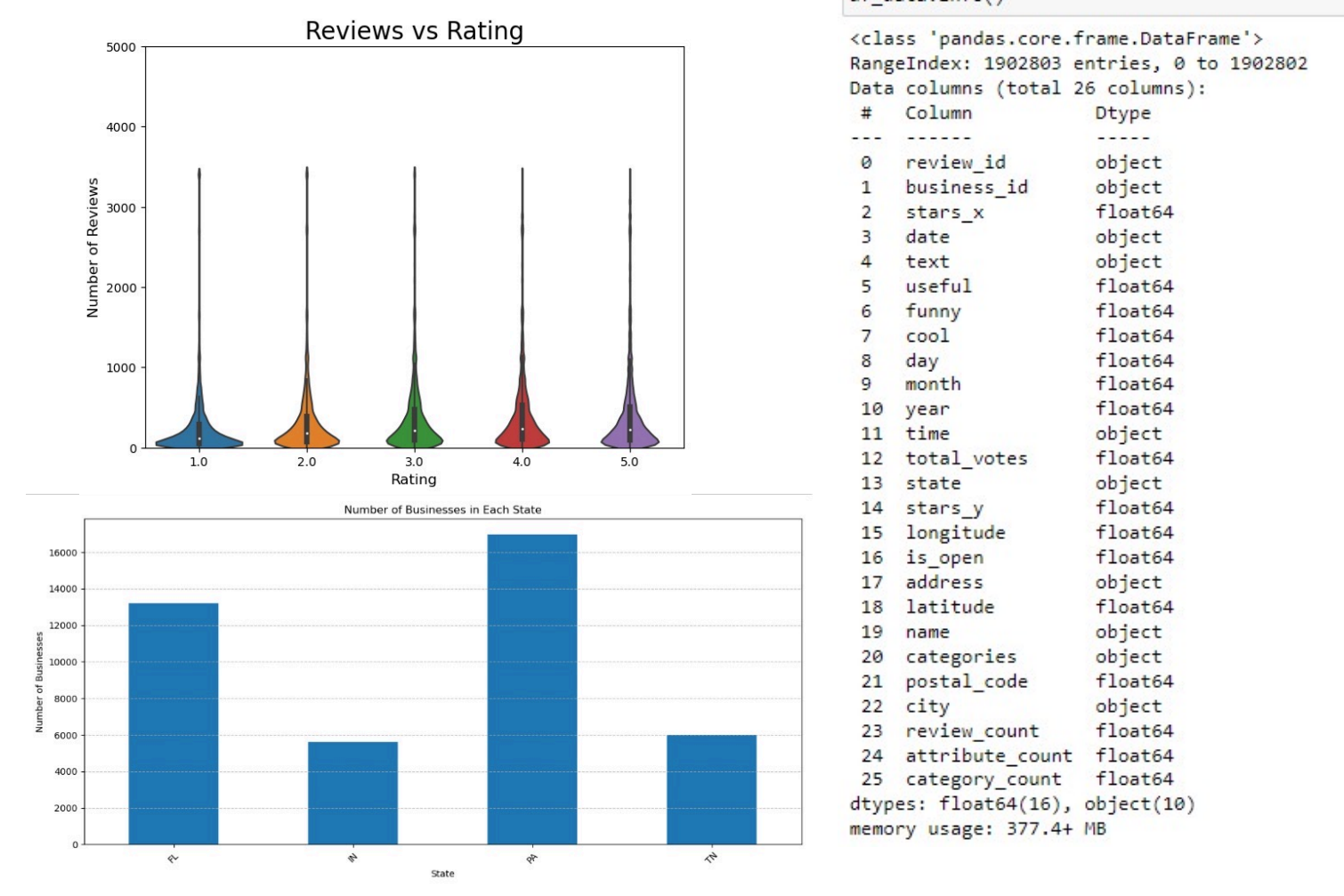
In this project, we explore Yelp's rich dataset, sourced directly from their official website, to uncover insights within business reviews. Our focus is on four diverse states: Indiana (IN), Florida (FL), Tennessee (TN), and Pennsylvania (PA). Through meticulous data wrangling, we clean and prepare the data for analysis. Utilizing sentiment analysis techniques, we delve into the underlying sentiments expressed in the reviews. Additionally, employing n-gram analysis, we dissect the textual data to identify prevalent phrases and patterns. By amalgamating these methodologies, we aim to provide a comprehensive understanding of the trends and sentiments prevalent across businesses in the selected states on Yelp.

Data

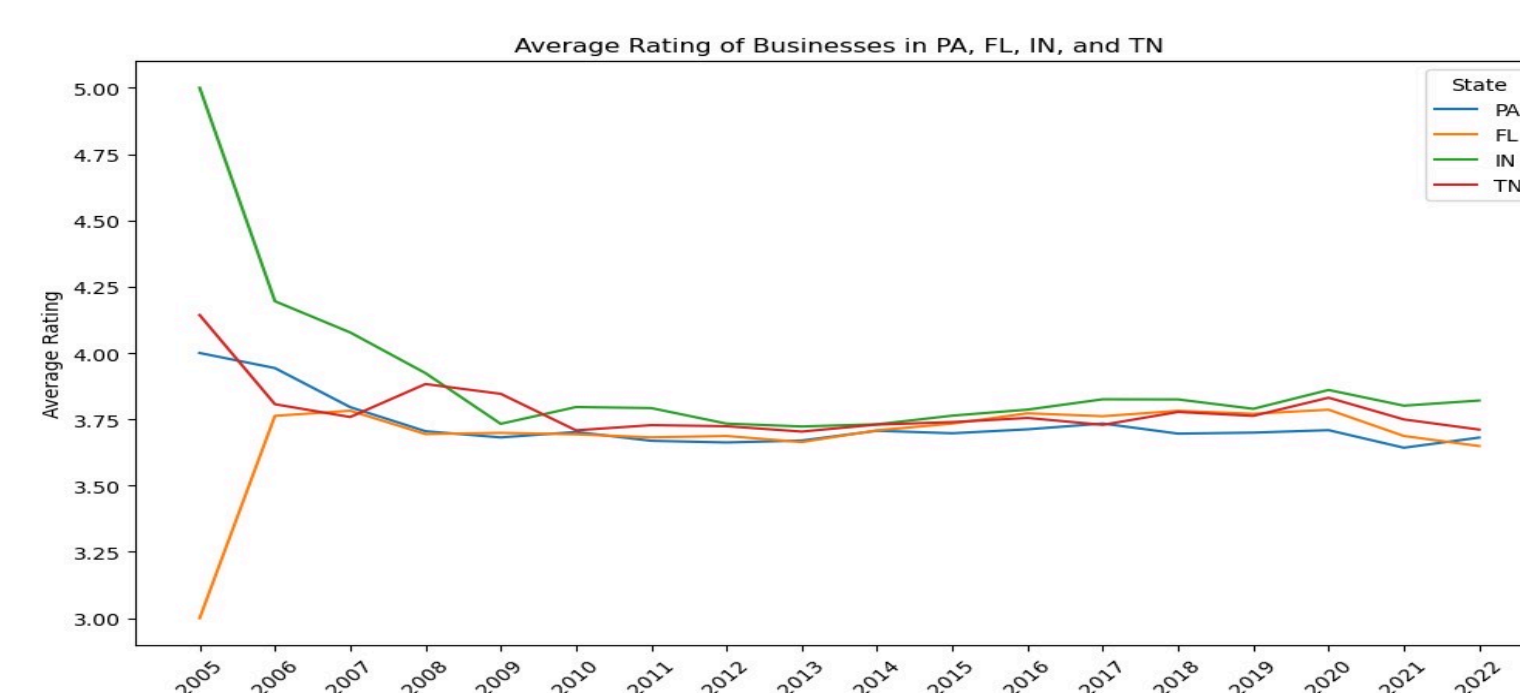
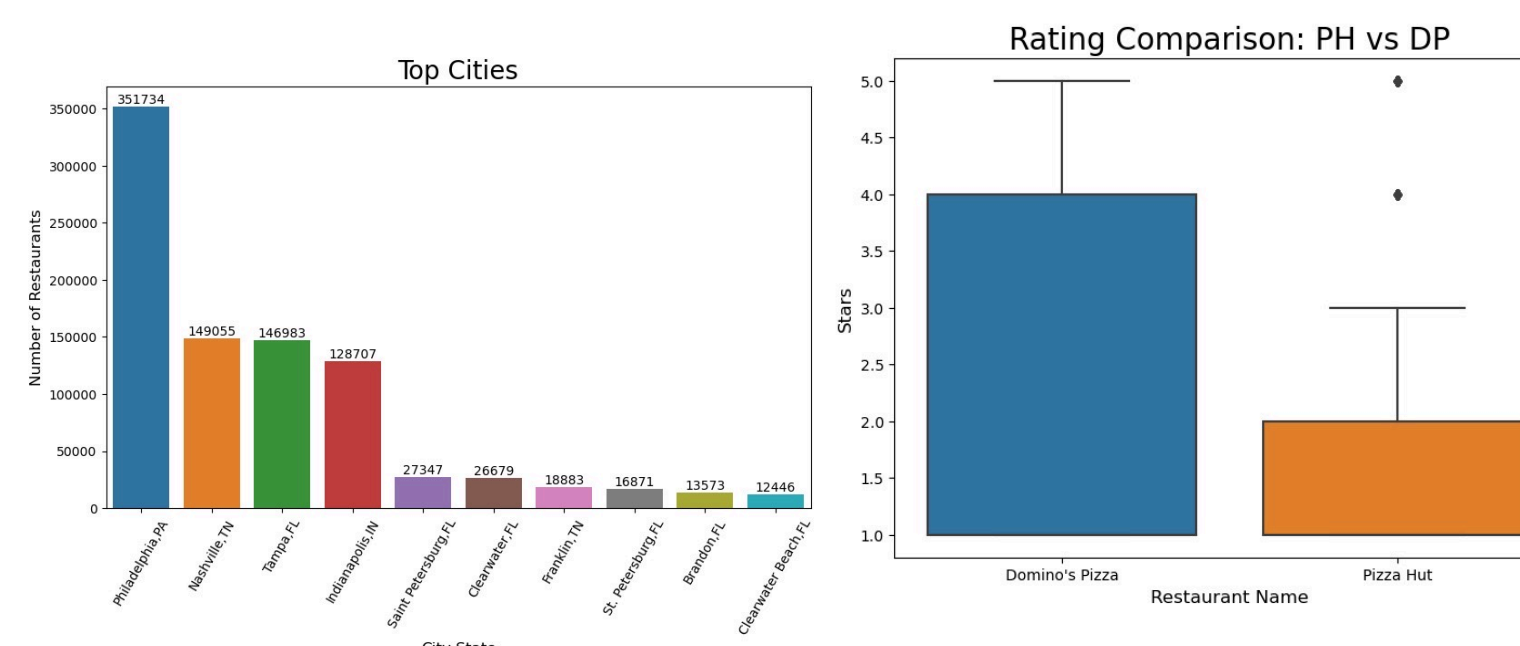
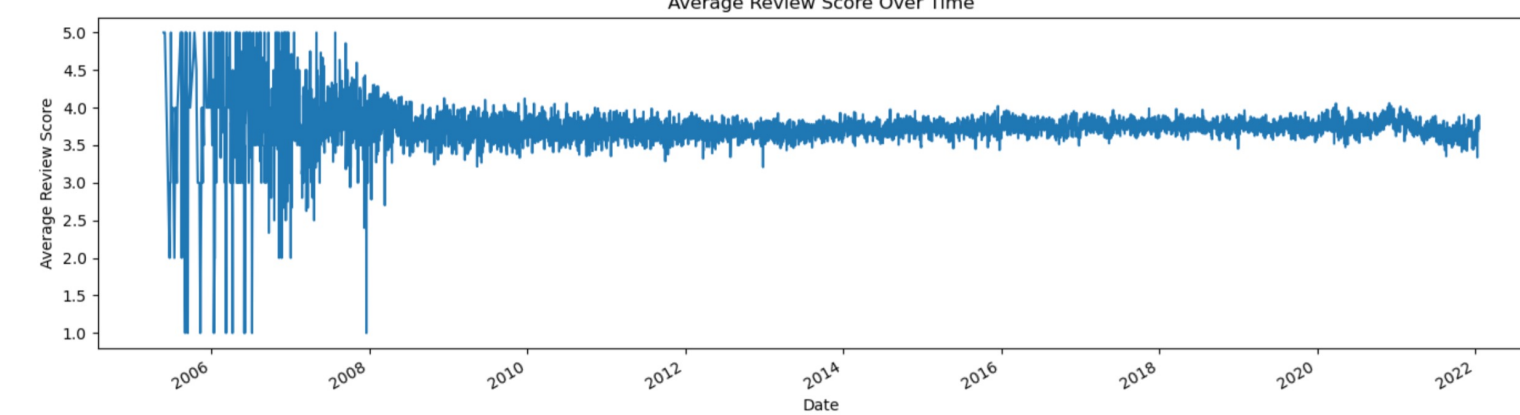
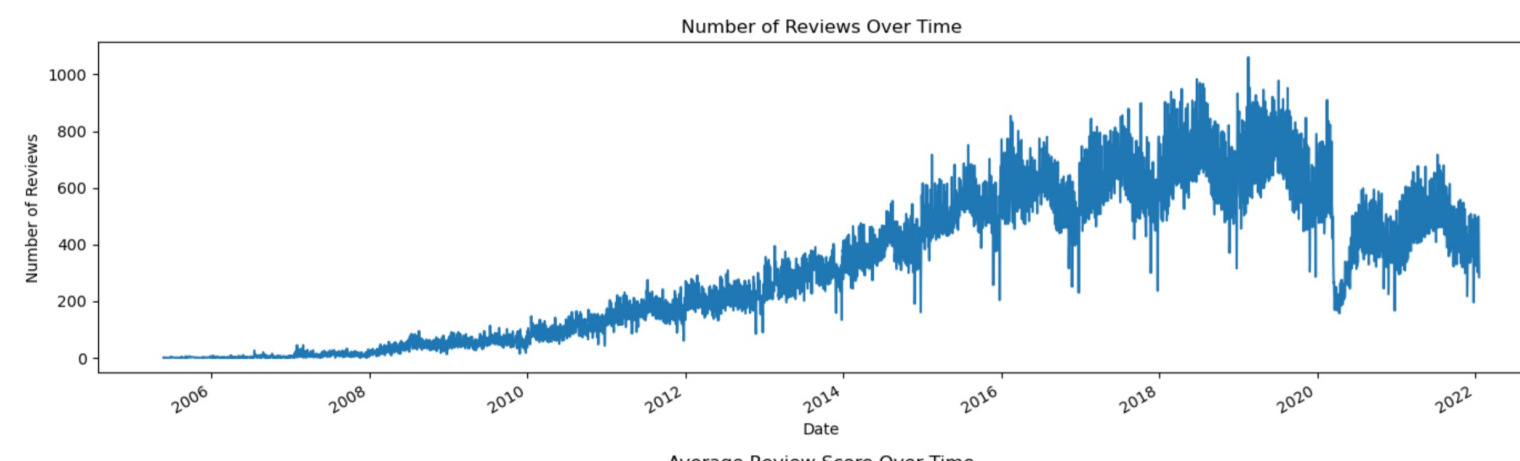
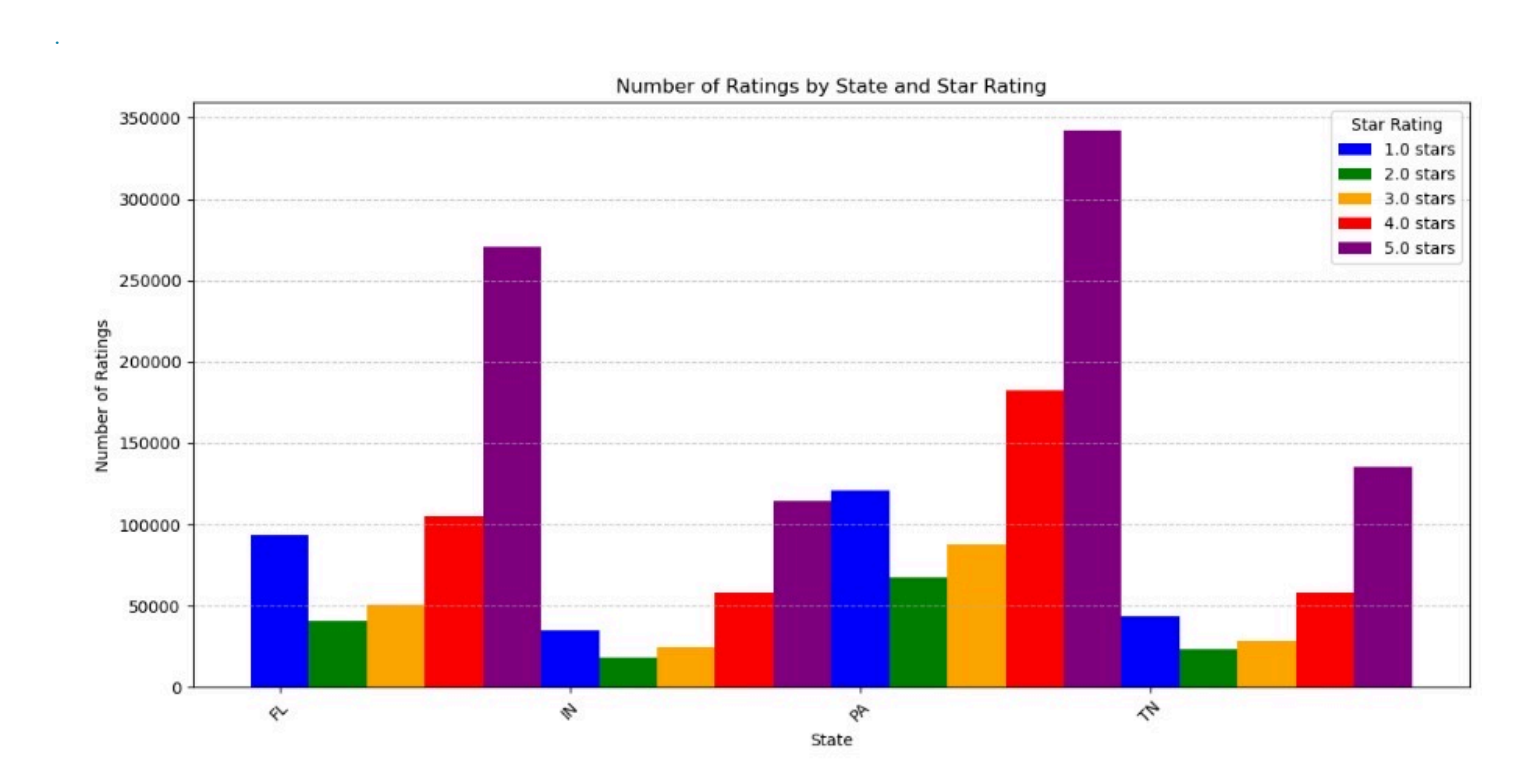
Yelp is a prominent platform where users share reviews and opinions about businesses ranging from restaurants to salons.



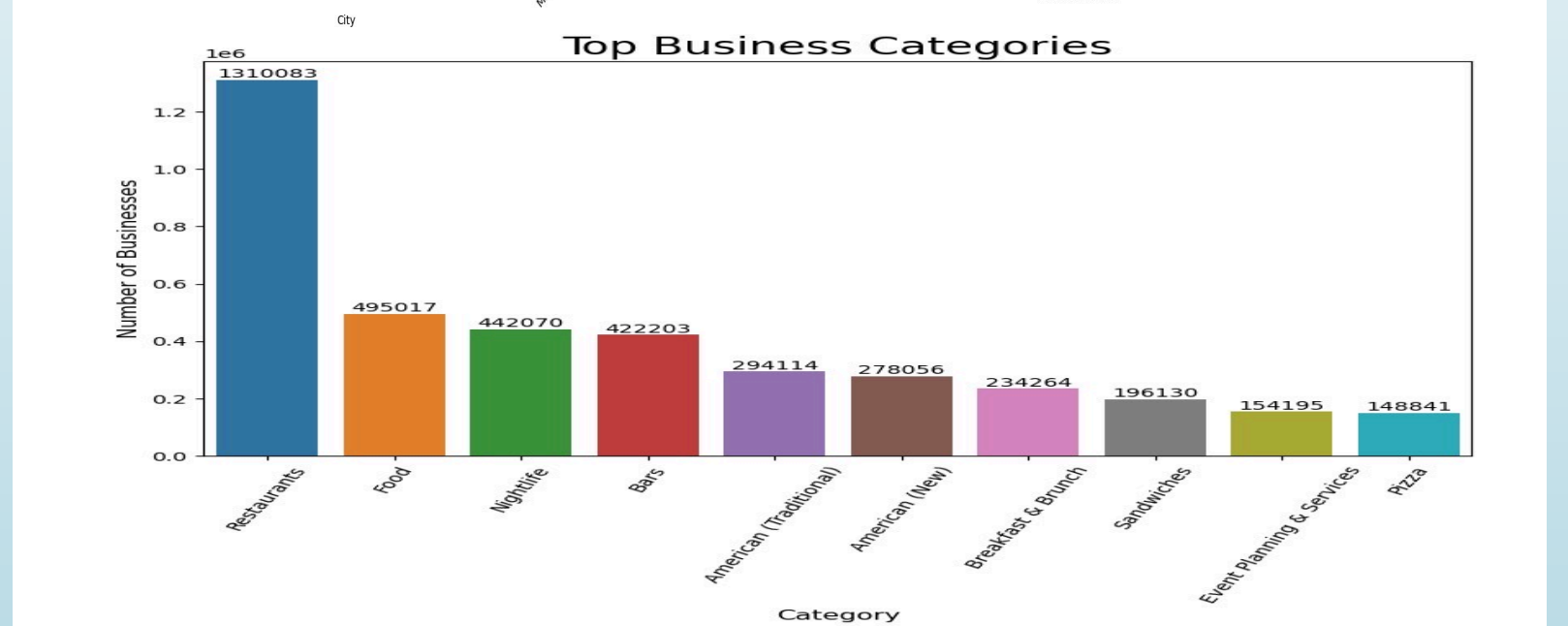
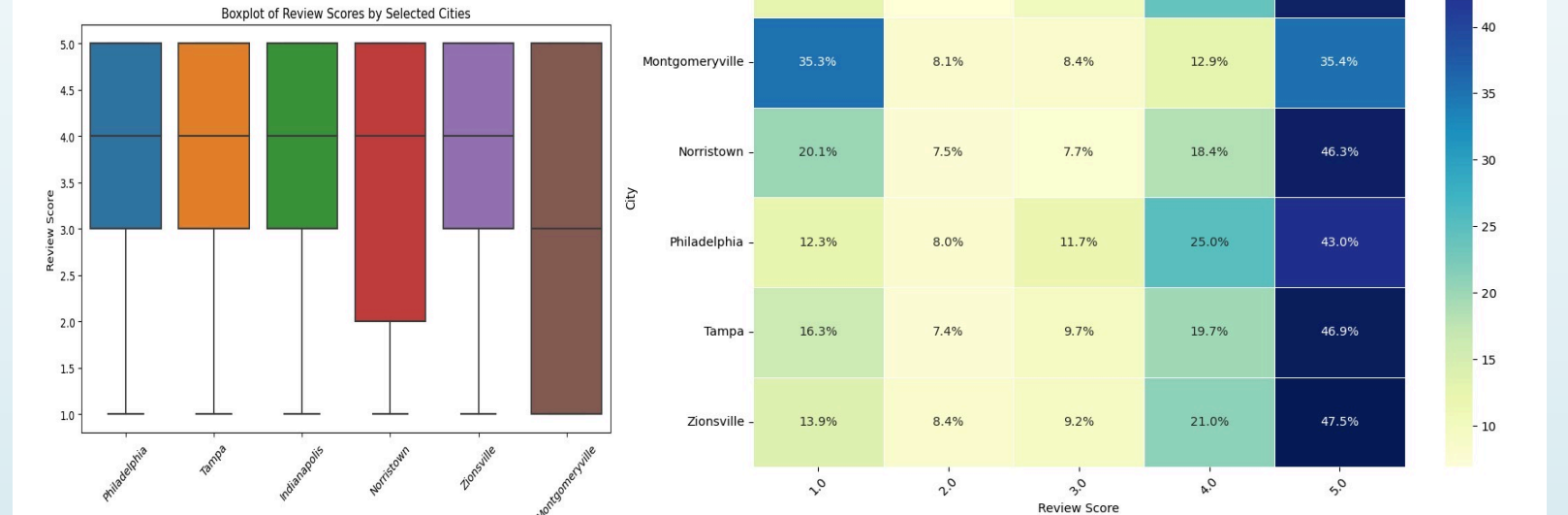
Summary Statistics



Four States Comparison



Top Cities



Sentiment Analysis

- Positive Reviews
- Negative Reviews
- Neutral Reviews



Future Work

- Sentiment Analysis can be performed for each state over the years.
- Customers can be categorized based on review sentiment.
- Outlier detection can be performed to identify customers with most extreme reviews.