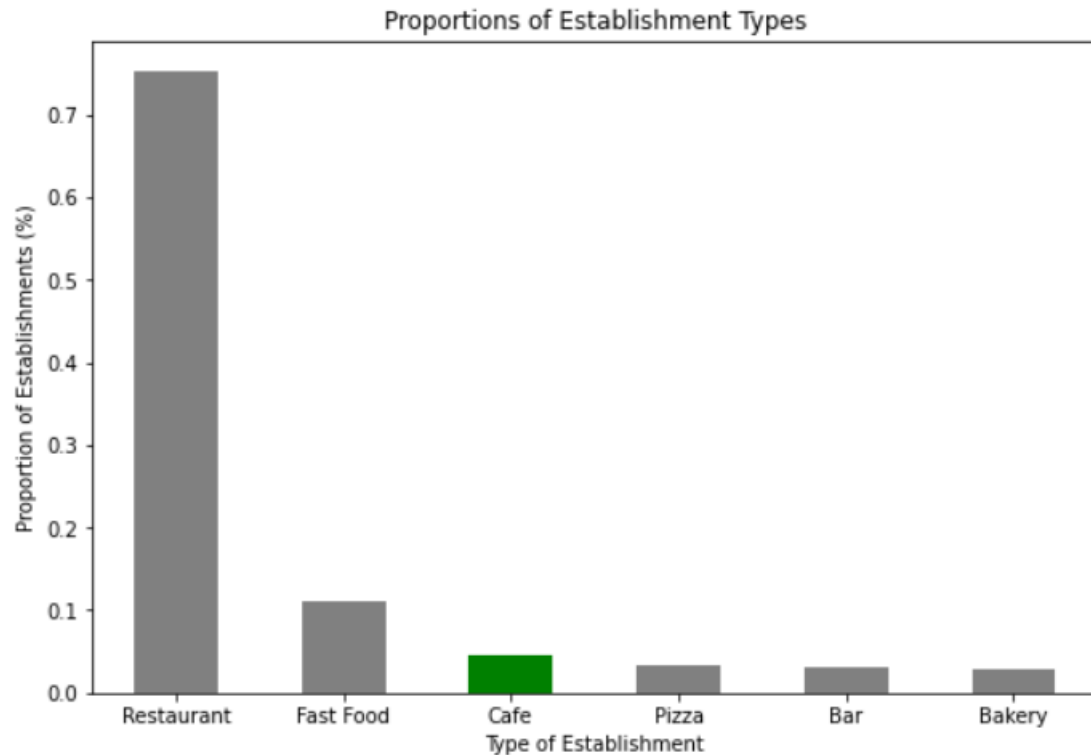
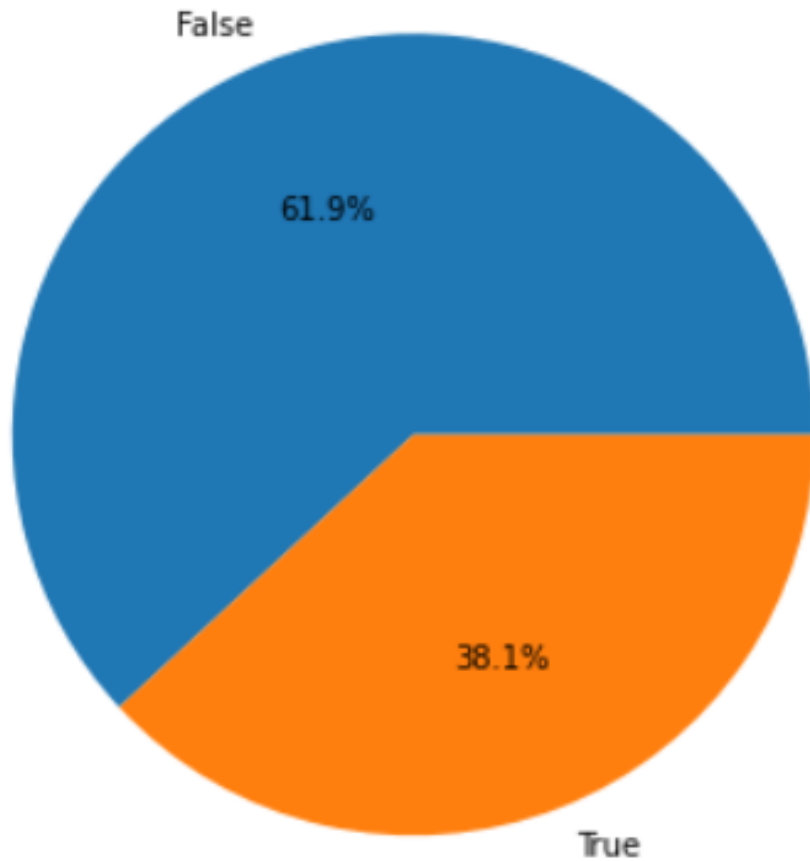


Insights into the Distribution of Establishments in LA

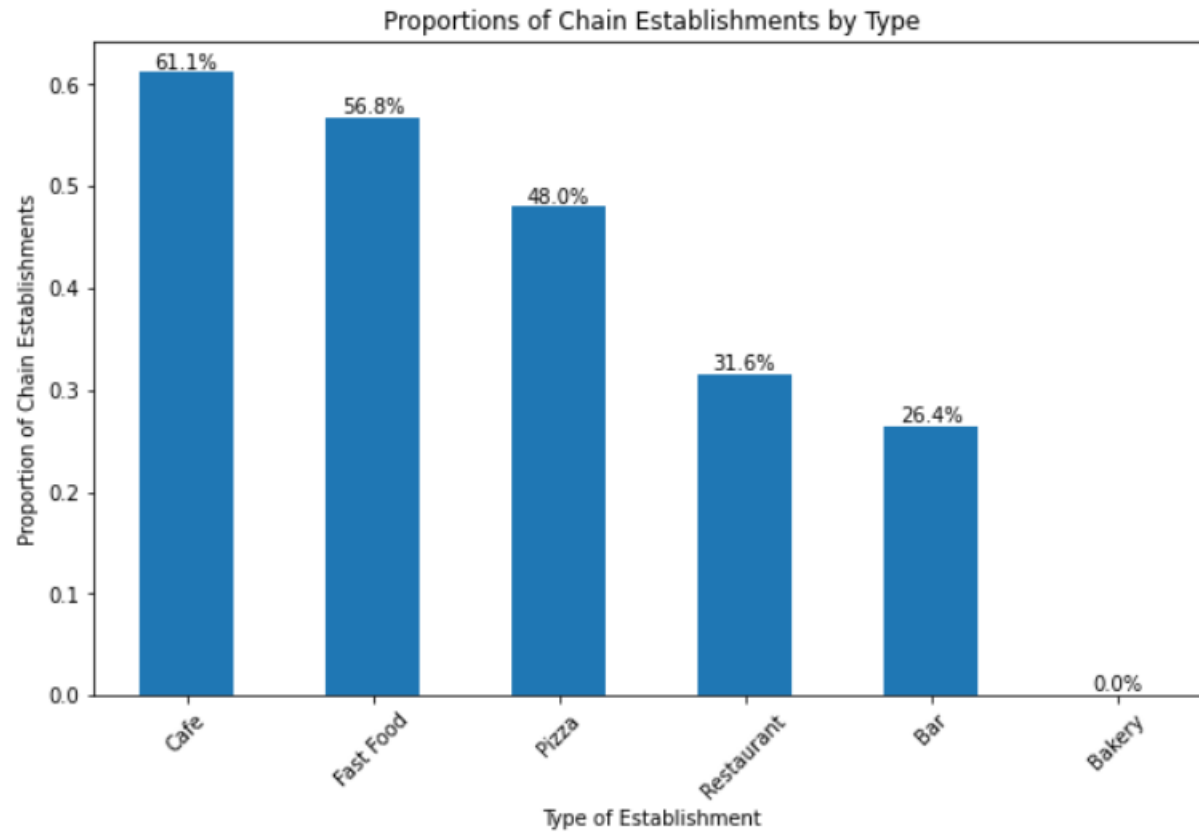


- Restaurants dominate the dataset: The most prevalent establishment type is "Restaurant," accounting for approximately 75.2% of all establishments. This indicates that restaurants are the most common type of establishment in LA.
- Fast Food establishments are the second most common: Fast food establishments make up about 11.0% of the dataset. While not as prevalent as restaurants, fast food establishments still represent a significant portion of the establishments.
- Cafes, Pizzas, Bars, and Bakeries have smaller shares: Cafes account for approximately 4.5% of the establishments, while Pizzas, Bars, and Bakeries have proportions of around 3.3%, 3.0%, and 2.9%, respectively. These establishment types have relatively more minor shares than restaurants and fast-food establishments.
- Diverse range of establishment types: Different establishment types suggest a diverse dining landscape. This variety may provide options catering to different preferences and culinary experiences.

Proportions of Chain and Non-chain Establishments

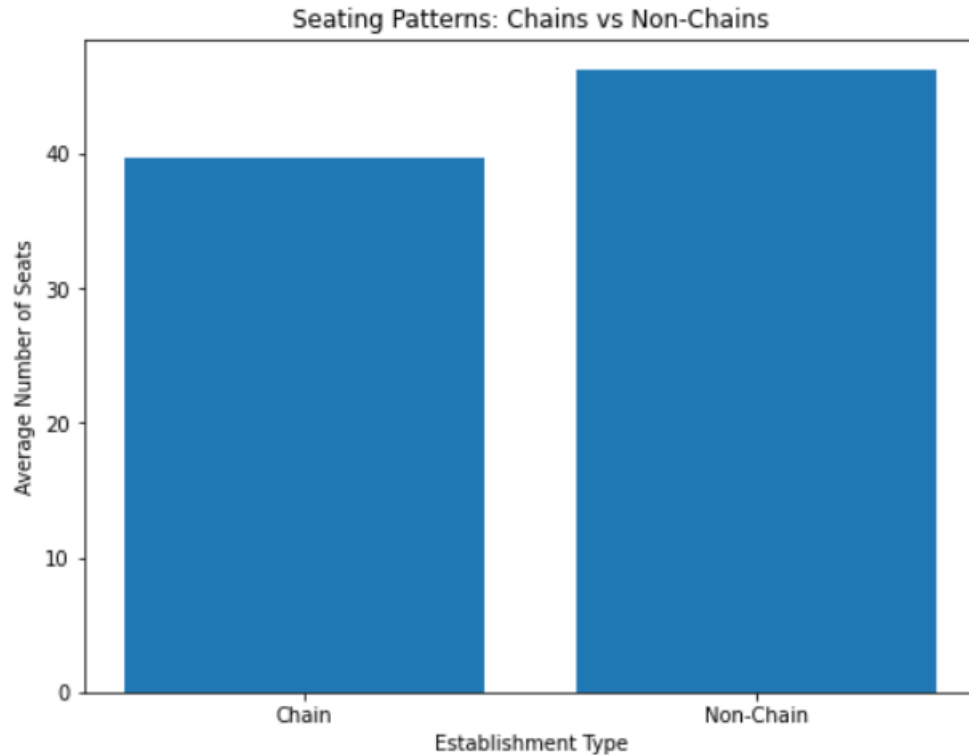


- Non-chain establishments are more prevalent: The proportion of non-chain establishments is approximately 61.9%. This indicates that most establishments in the dataset are independent and not part of a chain.
- Chain establishments make up a significant portion: The proportion of chain establishments is around 38.1%. Although slightly less common than non-chain establishments, chain establishments still represent a significant portion of the dataset.

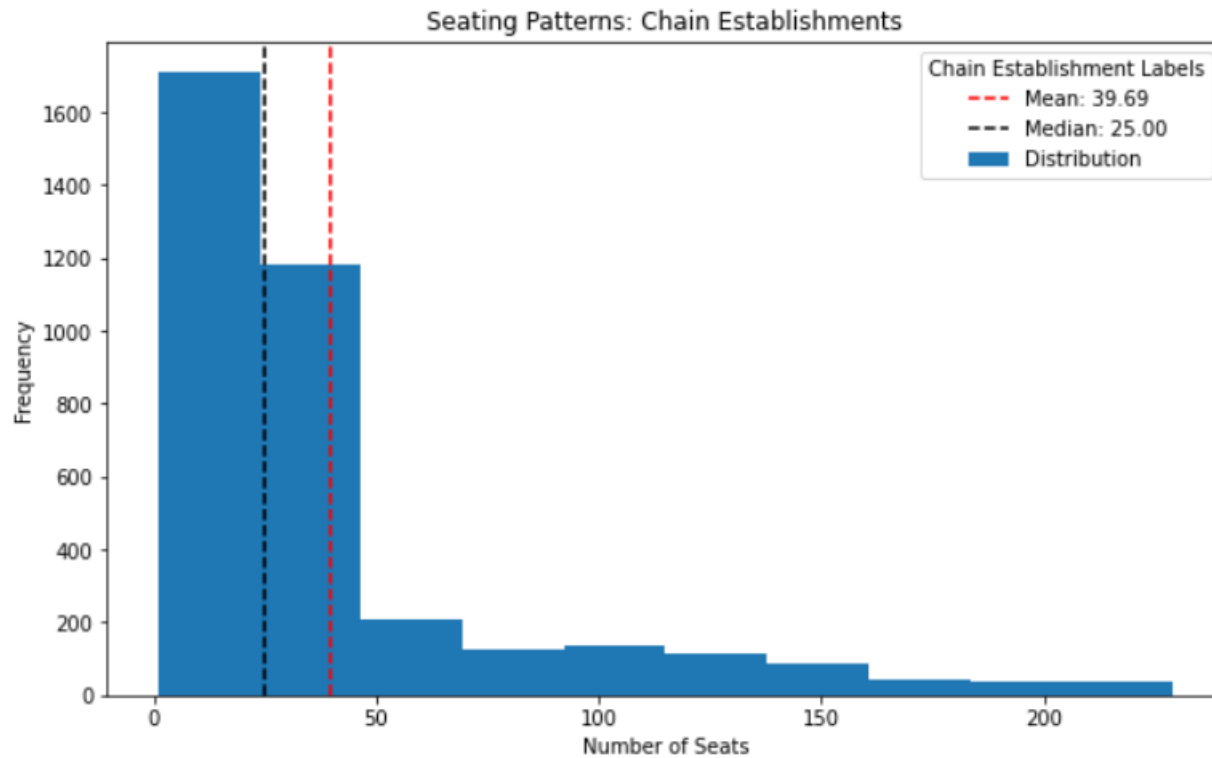


- From the available data, the type of establishment that is typically a chain is a Cafe, with 61.1% of Cafe establishments being chains. Fast Food follows this with 56.8% and Pizza with 48.0%.
- It is important to note that the Bakery proportion is unavailable (NaN) due to missing data.

What characterizes chains (by seats)

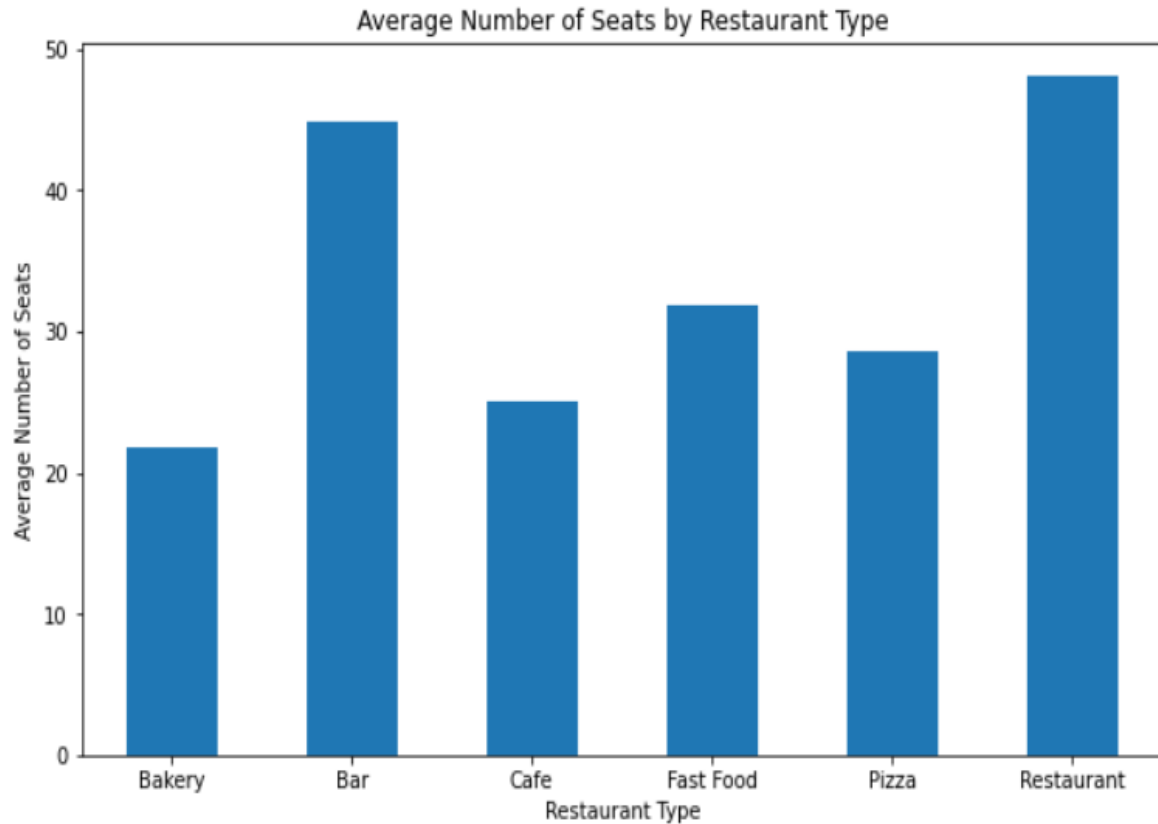


- Chains are characterized by many establishments with a small number of seats.
- The average number of seats for chain establishments is approximately 39.69.
- Non-chain establishments, on the other hand, have an average of around 46.17 seats.
- This suggests that chain establishments tend to have a lower average seating capacity than non-chain establishments.
- The data indicates that chains prioritize a more significant number of establishments over providing many seats per establishment.

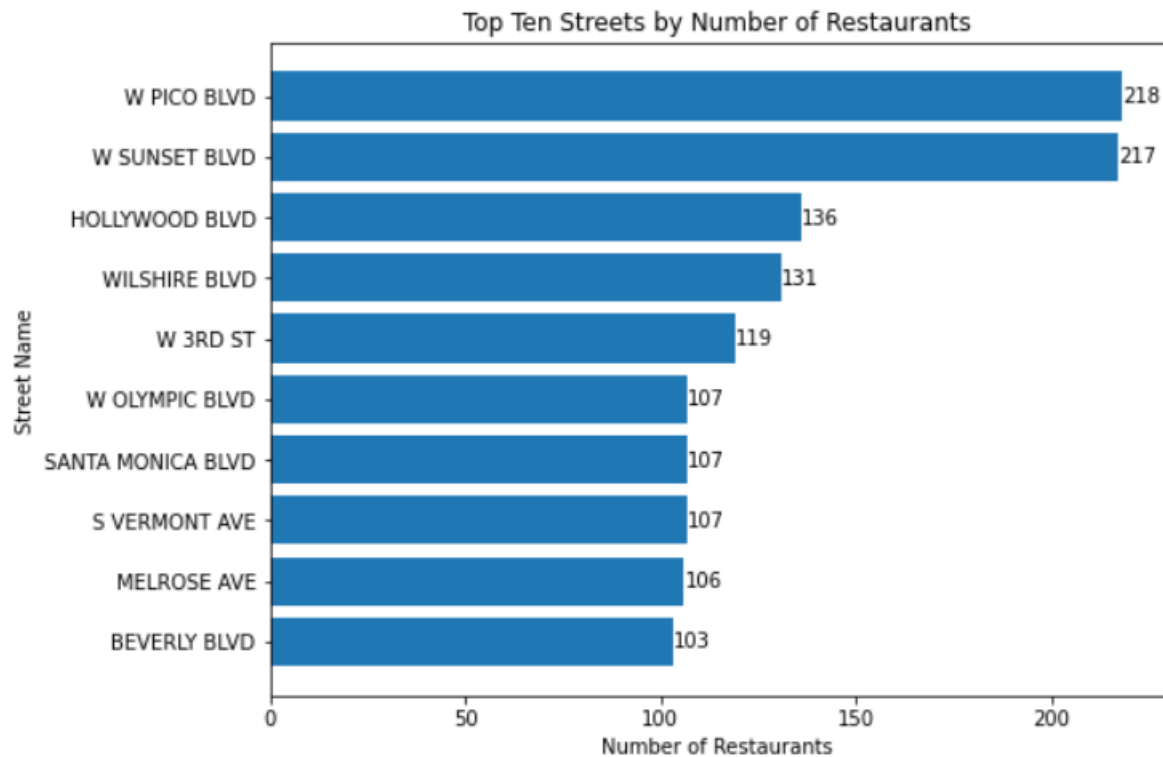


- The histogram shows the distribution of the number of seats in chain establishments.
- The distribution is skewed towards smaller numbers of seats, as evidenced by the longer tail on the left side of the histogram.
- The mean (39.69) and median (25.00) are marked on the plot as vertical dashed lines.
- Based on these findings, we can conclude that chain establishments tend to have a **relatively small number of seats** on average. Most chain establishments have fewer seats, with the median being 25 seats. However, there is a wide variation in the number of seats, as indicated by the large standard deviation and the presence of establishments with up to 229 seats.

Type of restaurant has the greatest number of seats

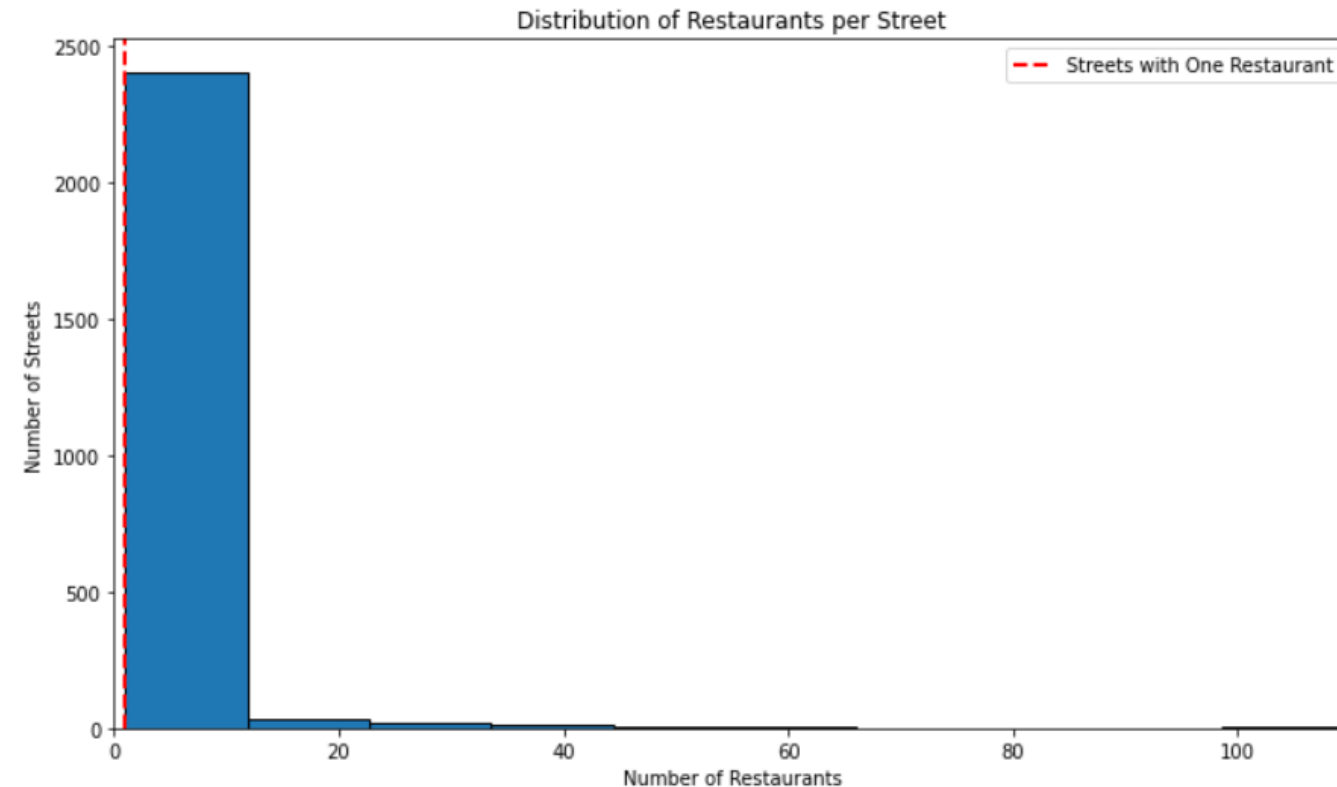


- The type of restaurant with the most significant average number of seats is "Restaurant."
- Restaurants, on average, have the highest seating capacity compared to other types of establishments in the dataset.
- Bars and Fast Food establishments also have relatively high average seating capacities.
- Cafes, Bakeries, and Pizza places have lower average seating capacities than other restaurants.



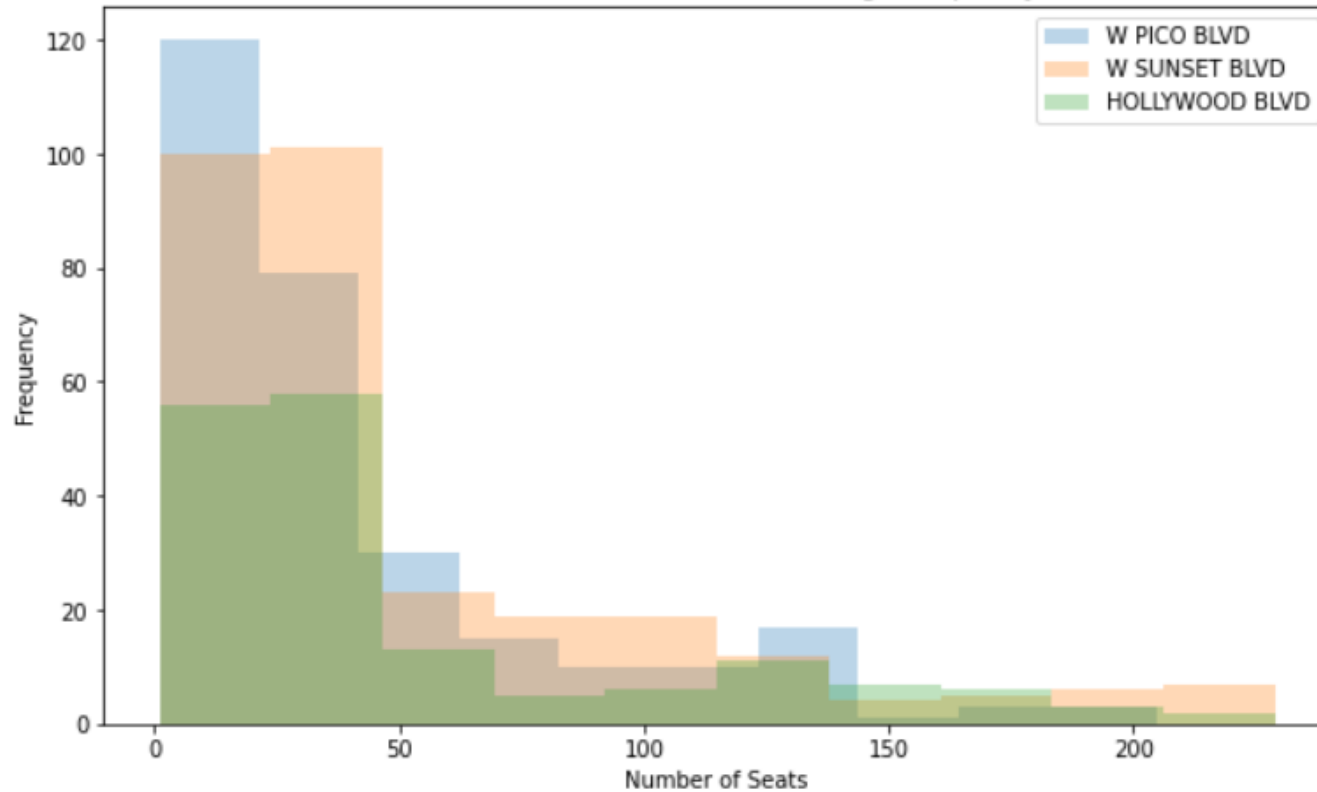
- W PICO BLVD and W SUNSET BLVD are the top two streets with the most restaurants, followed by HOLLYWOOD BLVD, WILSHIRE BLVD, and W 3RD ST.
- The concentration of restaurants on these streets suggests that they are popular dining destinations in the area.
- These streets likely attract significant foot traffic, making them desirable restaurant locations.
- The presence of a high number of restaurants on these streets indicates a thriving food scene and potentially a diverse range of dining options.
- Businesses looking to open a restaurant or food-related establishment may consider these top streets as potential locations due to their existing dining infrastructure and customer traffic.

The number of streets that only have one restaurant.



- There are a total of 1,995 streets in the dataset that have only one restaurant.
- The distribution of the number of restaurants per street shows that most streets have a small number of restaurants.
- The histogram indicates that the most common scenario is one restaurant per street, as the bin with one restaurant has the highest frequency.
- The presence of a large number of streets with only one restaurant suggests a diverse distribution of restaurants across different streets rather than clustering in specific areas.
- These streets with only one restaurant might represent unique dining destinations or less crowded areas for restaurant establishments.
- The red dashed line in the histogram represents the threshold of streets with only one restaurant, highlighting their distinct count compared to streets with multiple restaurants.

Distribution of Number of Seats for Streets with High Frequency of Restaurants



- Sunset Blvd (W Sunset Blvd) and Hollywood Blvd are prominent streets with many restaurants. These streets have the highest counts of restaurants, with Boulevard 3 on W Sunset Blvd and Playhouse on Hollywood Blvd having the highest number of 229.
- There is a mix of chain and non-chain establishments in the top restaurants on these streets. Both Boulevard 3 and Playhouse are non-chain restaurants, indicating that independent establishments can thrive in popular areas.
- The object types vary among the top restaurants on these streets. They include restaurants, bakeries, and even a banquet kitchen on the 2nd floor, showcasing a diverse culinary scene in these areas.
- The addresses of the restaurants suggest that they are located in popular and bustling areas, attracting a significant number of customers. This could indicate that these streets are desirable locations for food businesses.
- Overall, the trends suggest that Sunset Blvd and Hollywood Blvd are vibrant dining destinations, offering a range of restaurant options and attracting both chain and independent establishments. These streets are likely popular among locals and visitors alike for their diverse culinary experiences.

END