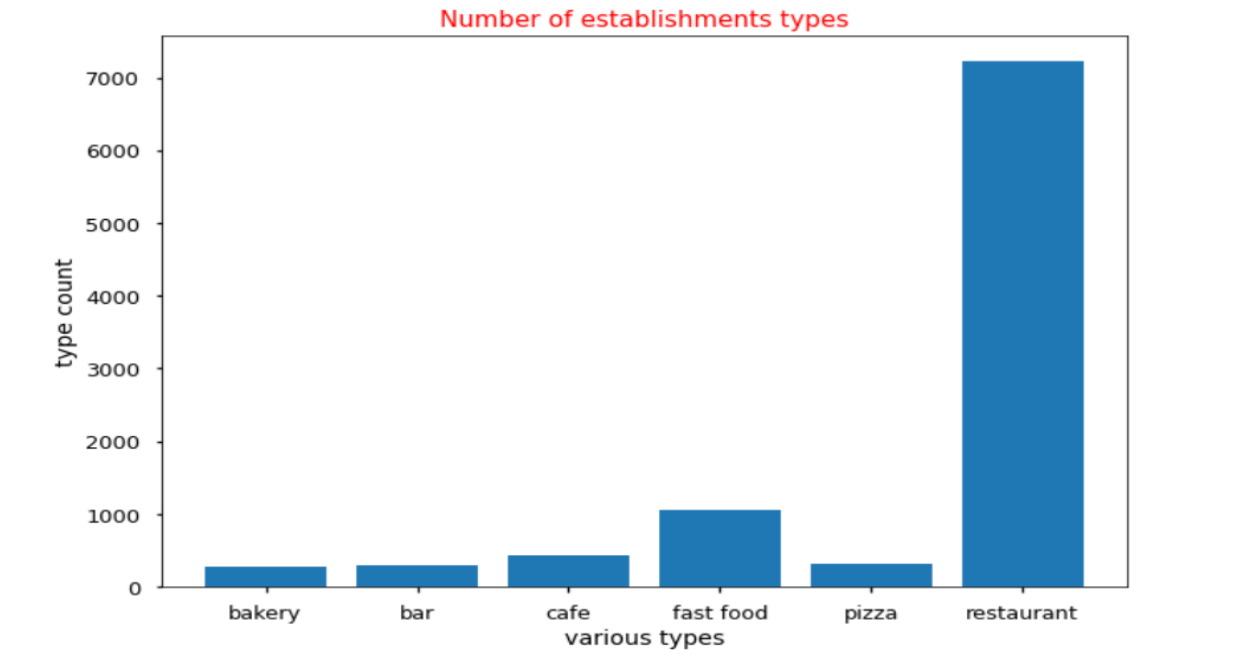
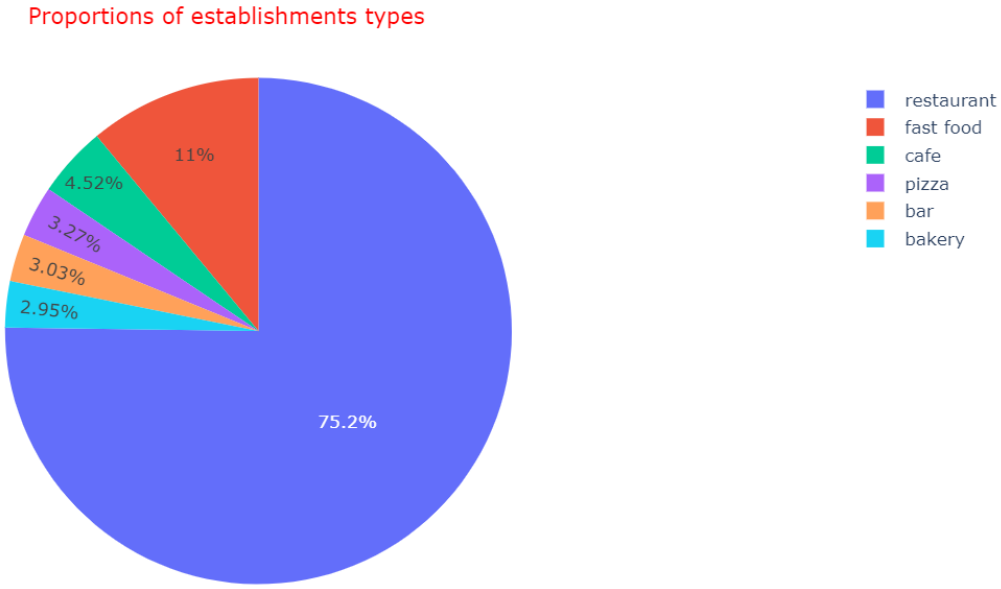
Project presentation:

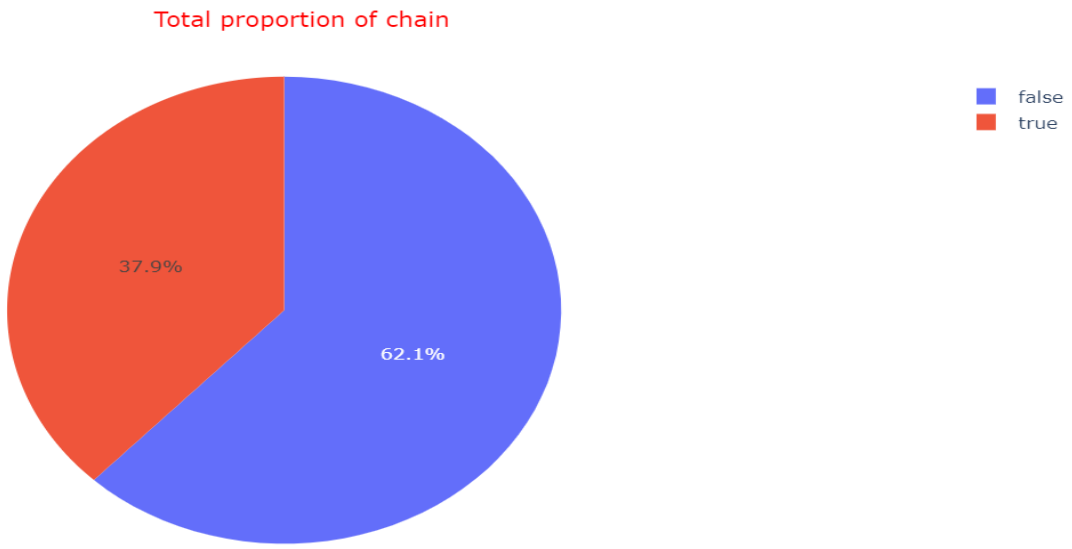
Proportions of the various types of establishments:





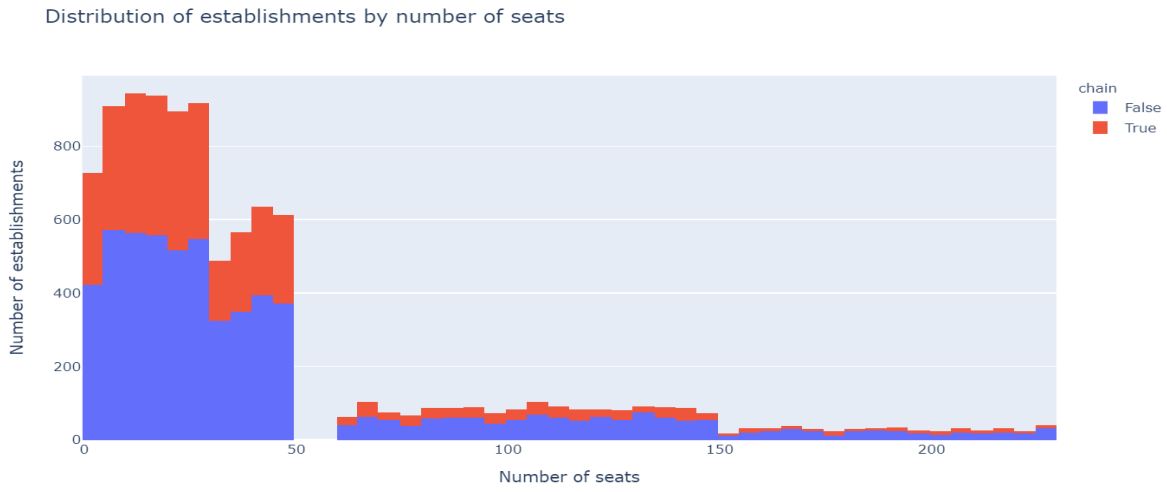
As we can see the restaurant business takes the major part of all establishments, 75% of all samples are restaurants.

Proportions of chain and non chain establishments: false means non chain establishments.

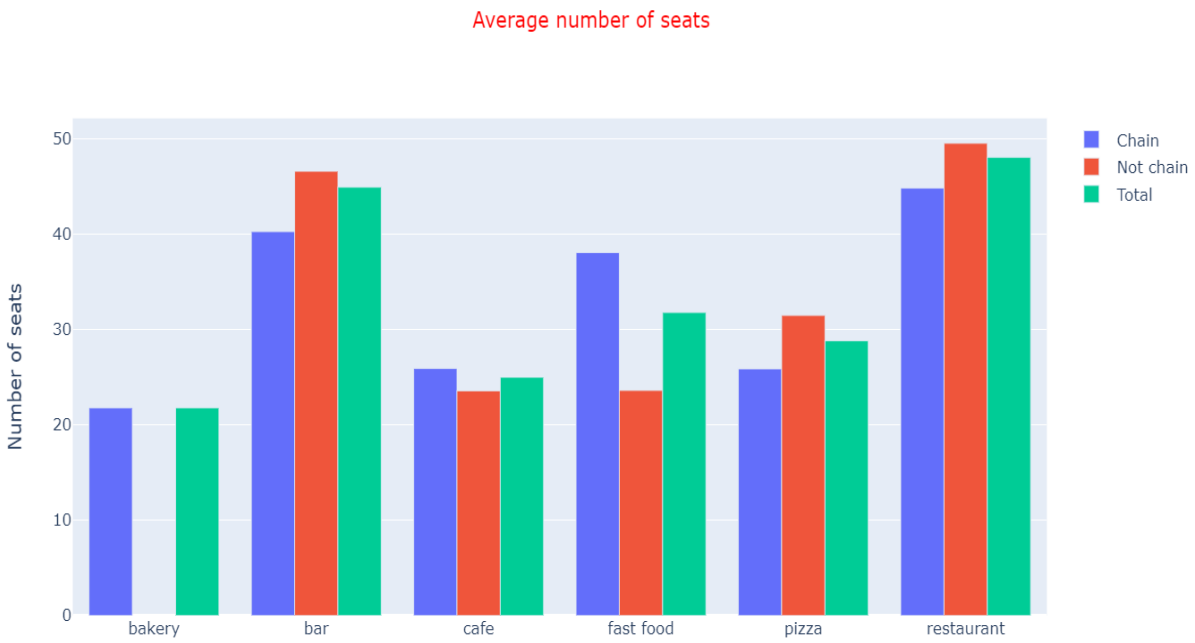


As we see the major part of establishments are non chains.

We can't characterize chain establishments by many establishments with a small number of seats or a few establishments with a lot of seats because chain establishments have same seats distribution as non chain establishments:

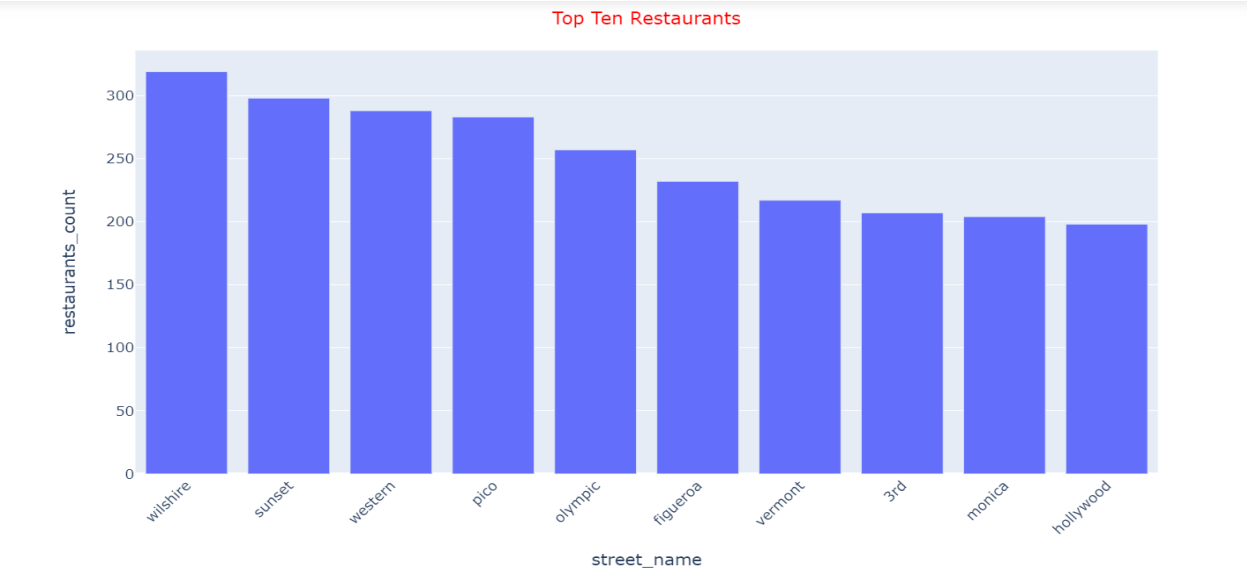


The average number of seats for each type of restaurant:



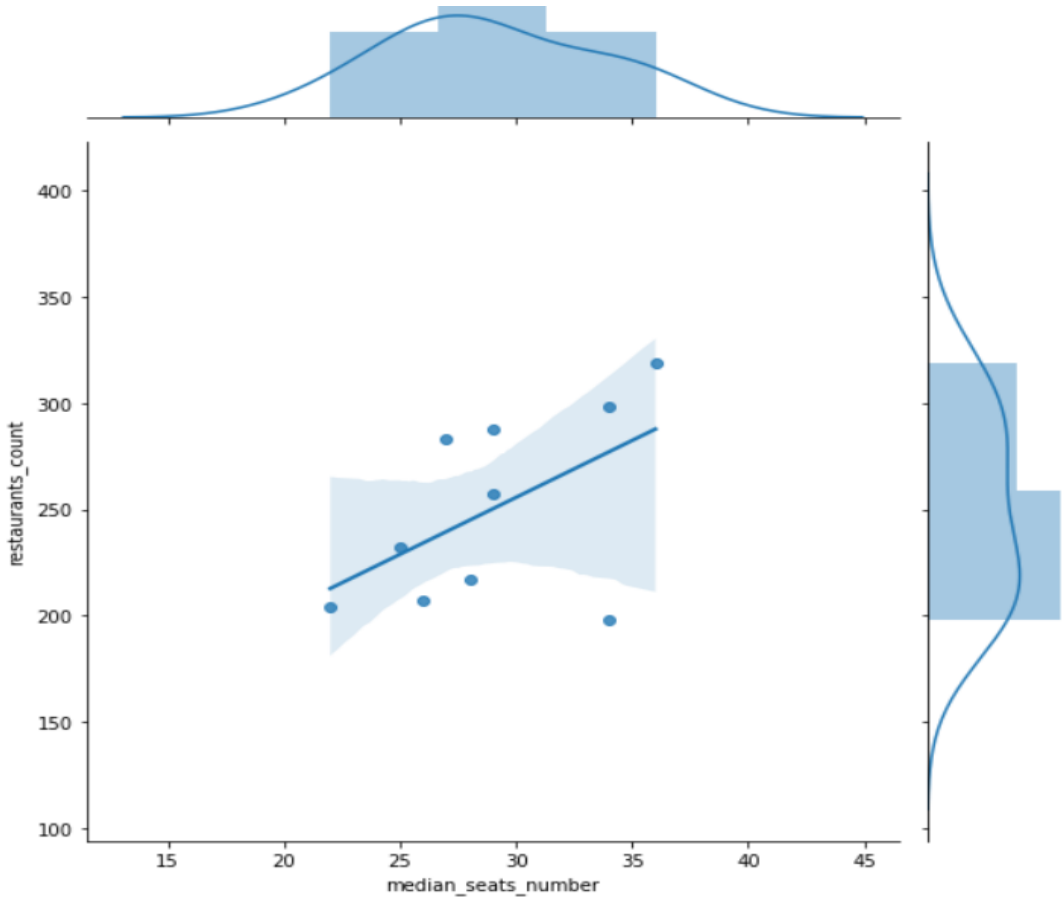
As we see from graph, restaurants wich are not a chain have the greatest average number of seats, on the other side establishments that we found out are typically a chain first cafes and then fast food have on average more of a seats than same types of establishments that are not a chain. Any way the average number of seats stays under the 50.

Top ten streets by number of restaurants in Los Angeles:



Distribution median number of seats on streets with a lot of restaurants:

There positive linear correlation between number of restaurants on streets with a lot of restaurants and the number of restaurant's seats:



Overall conclusion:

By the proportions of establishments restaurants are the most popular business, all the bakeries of the sample are chains and high proportions of fast food and cafes, I can't characterize chains by the number of their seats because establishments types that are not chains have same distribution of seats. Also we identified the top ten streets with the most number of restaurants and found out that there is positive linear correlation between the number of restaurants on streets with a lot of restaurants and the number of restaurant seats.