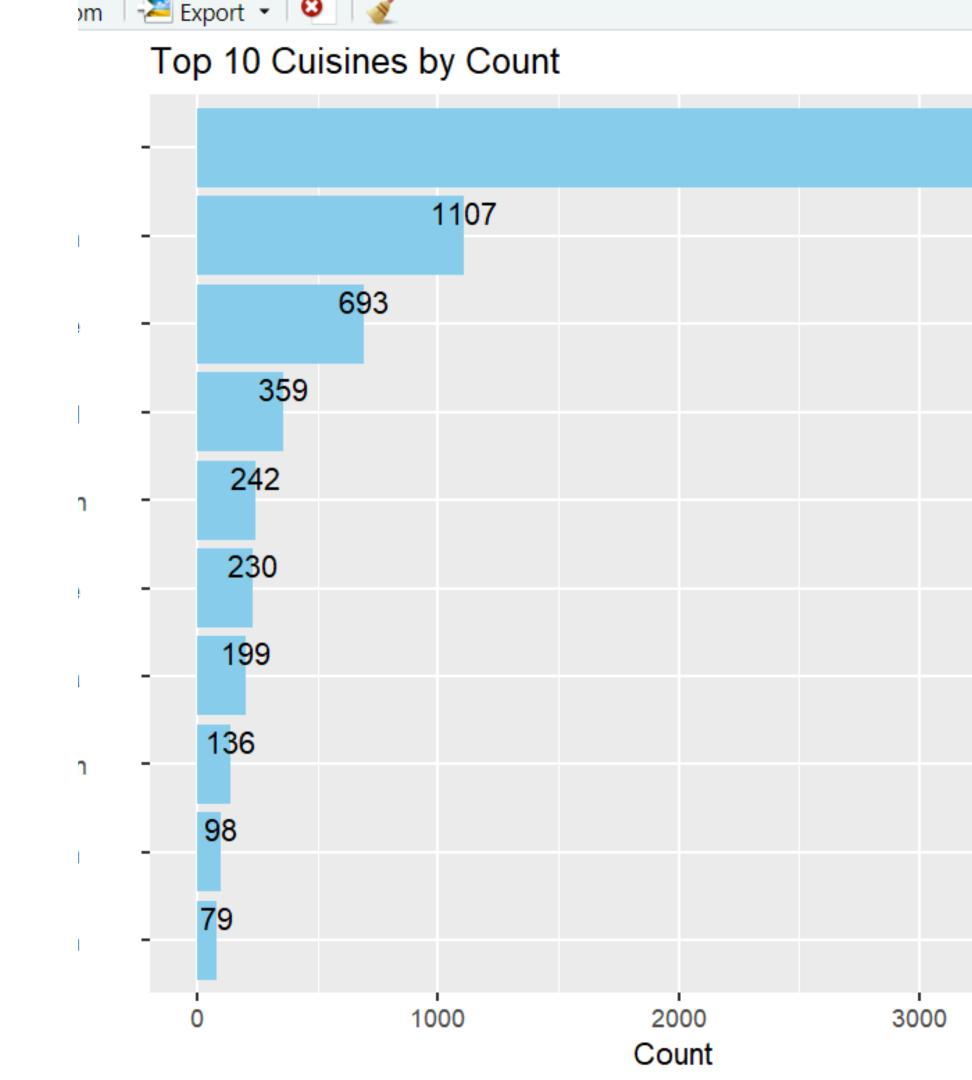
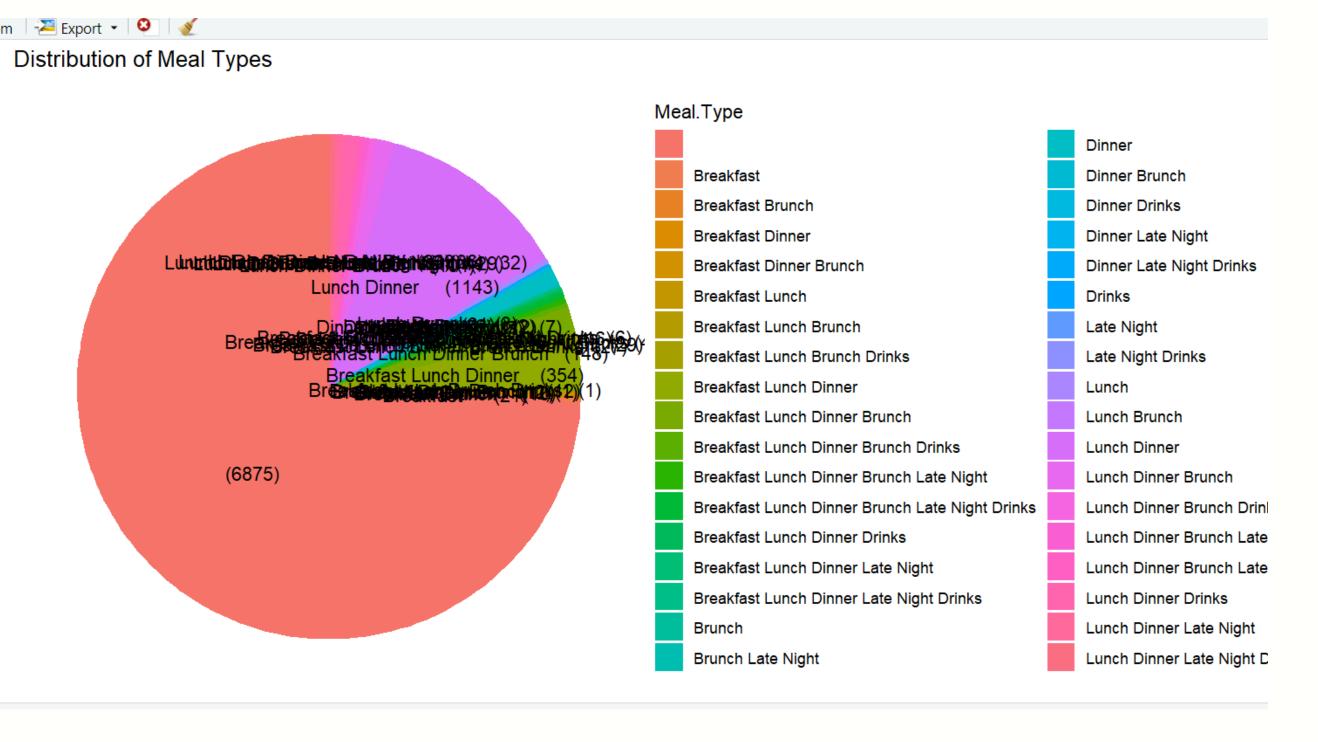
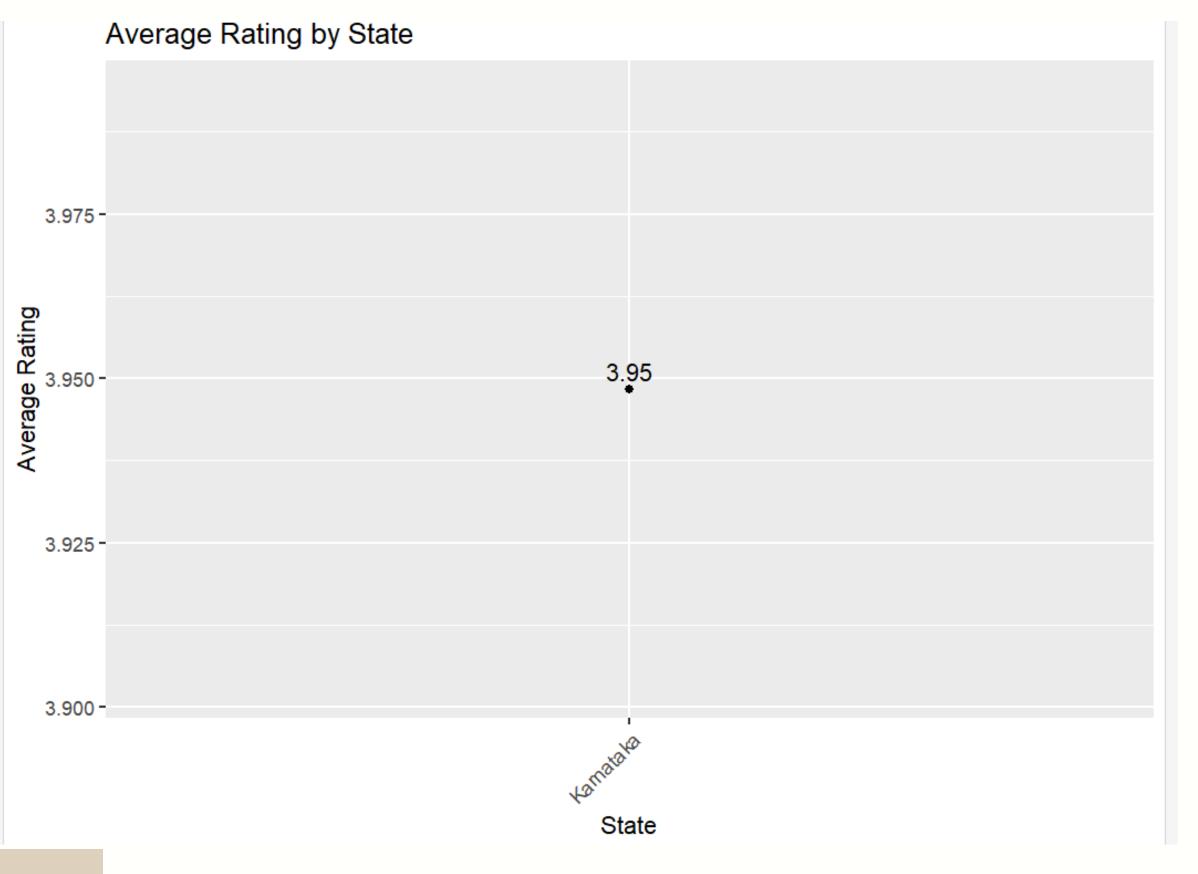


The chart shows the top 10 cuisines by count, with Indian cuisine being the most popular with 3954 counts. The other cuisines in the top 10 are Chinese, Fast Food, Indian Asian, Cafe, Pizza, Chinese Indian, American, and Asian.

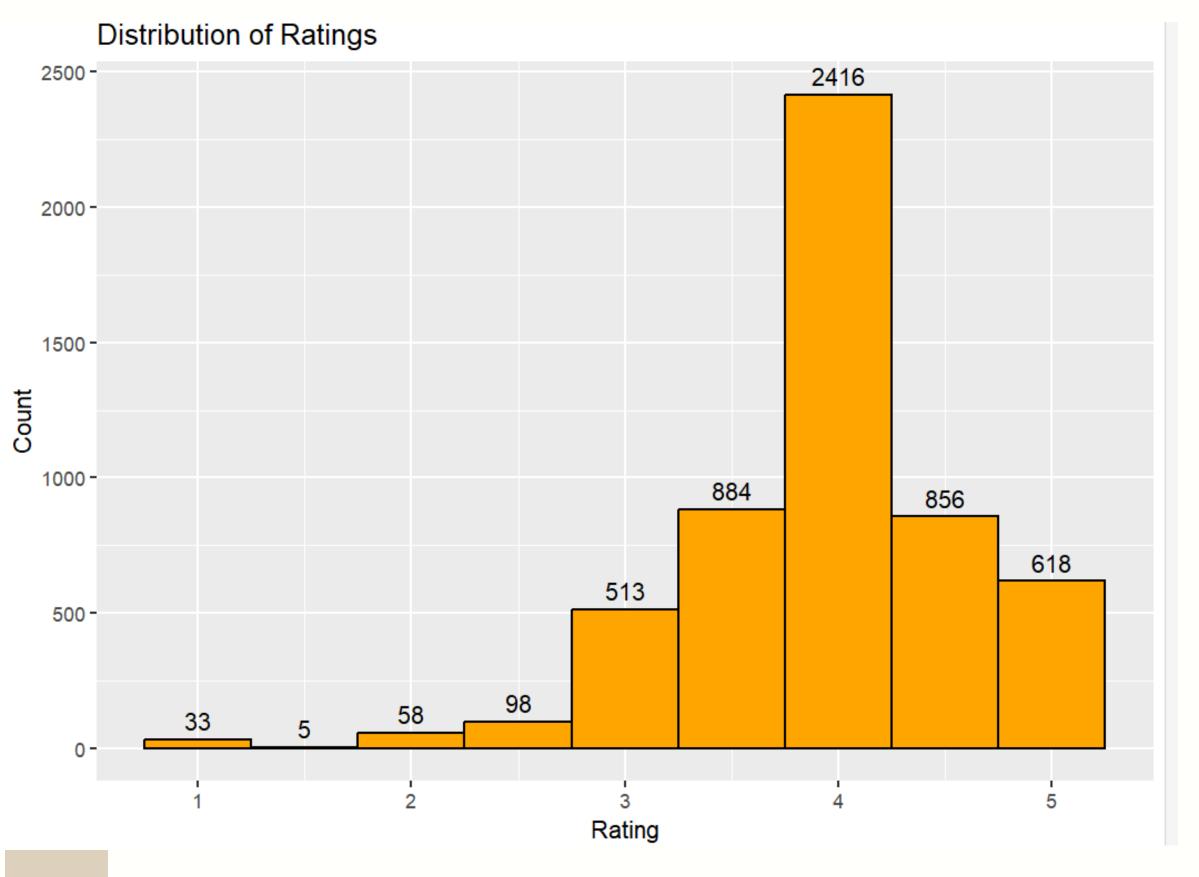




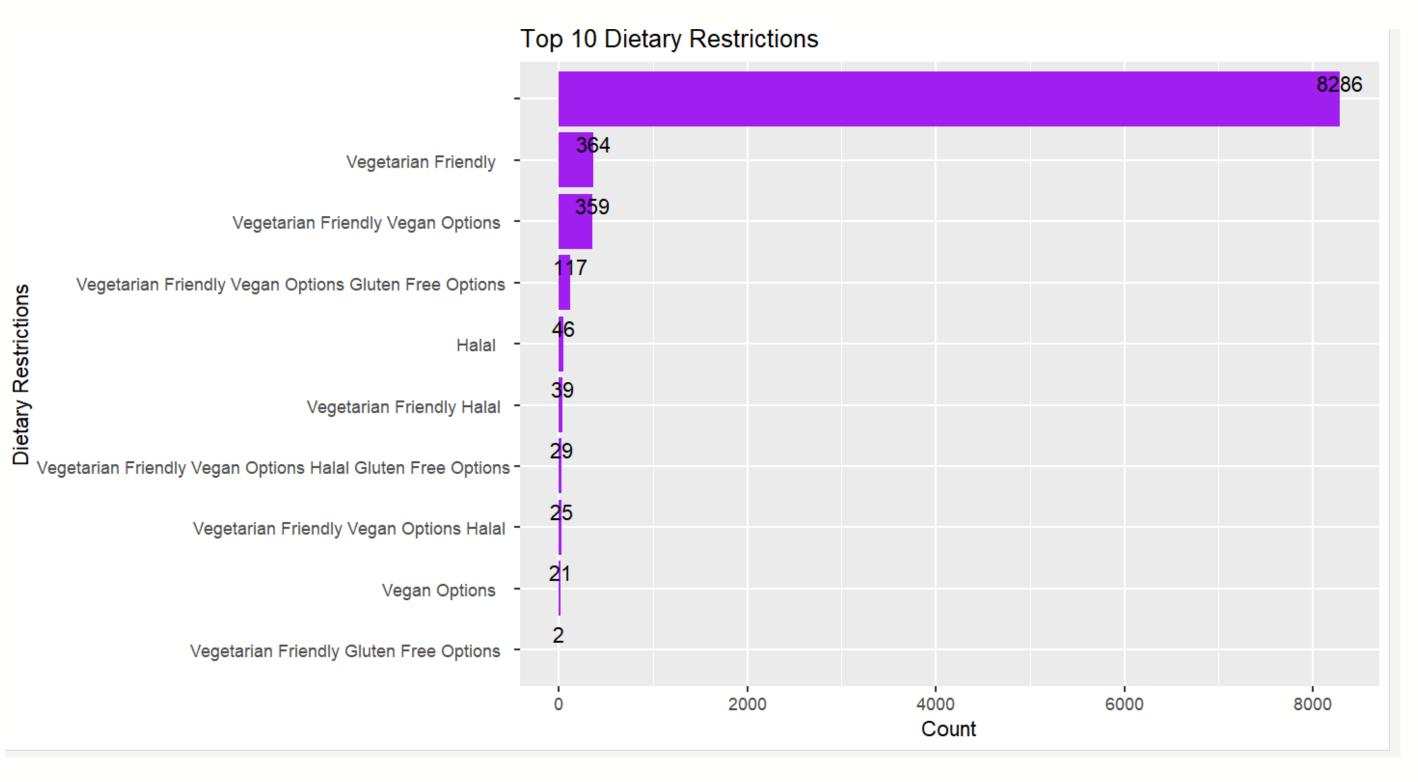
The **pie chart** illustrates the distribution of meal types. "Dinner" is the most frequent, followed by meals combining "Breakfast" and "Lunch." A variety of meal combinations and options, including "Late Night" and "Drinks," are available.



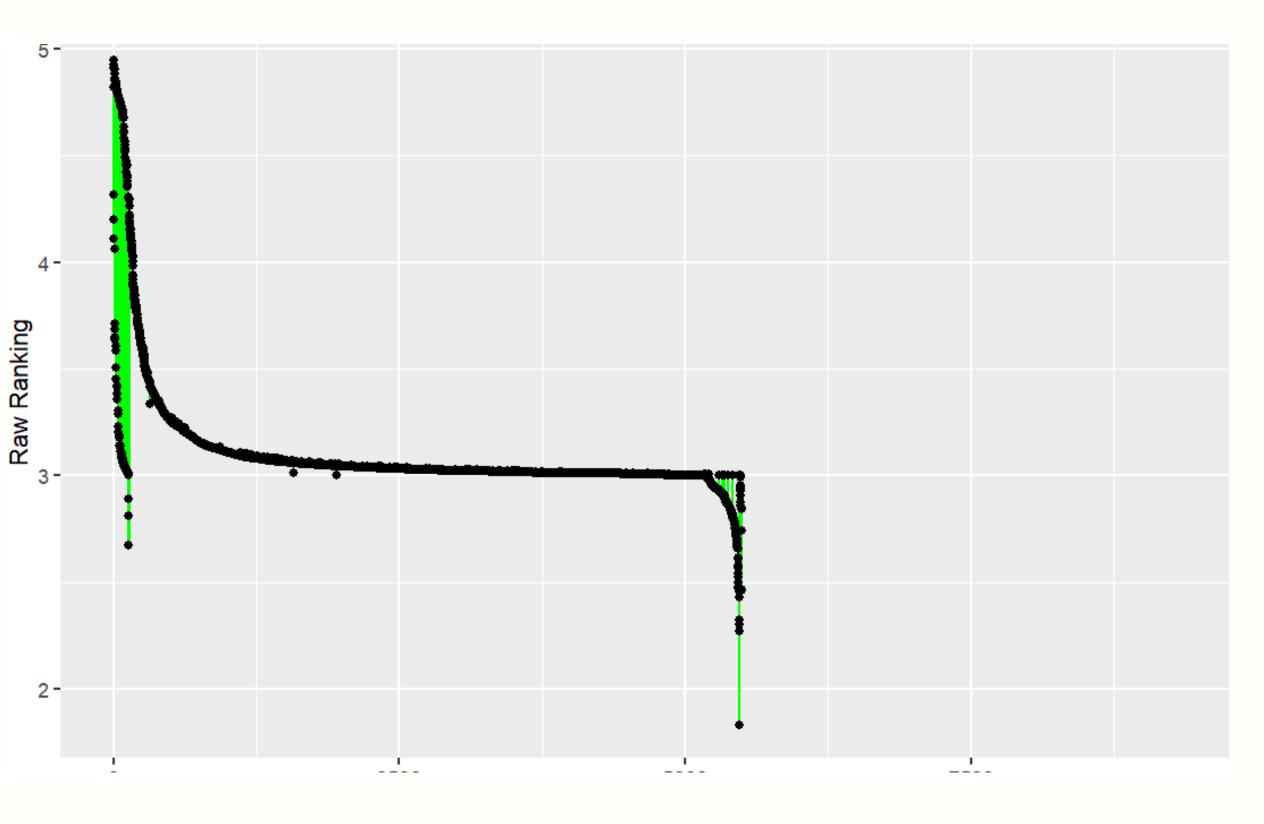
The chart displays the average rating by state. Karnataka has an average rating of 3.95. It appears to be the only state included in this visualization.



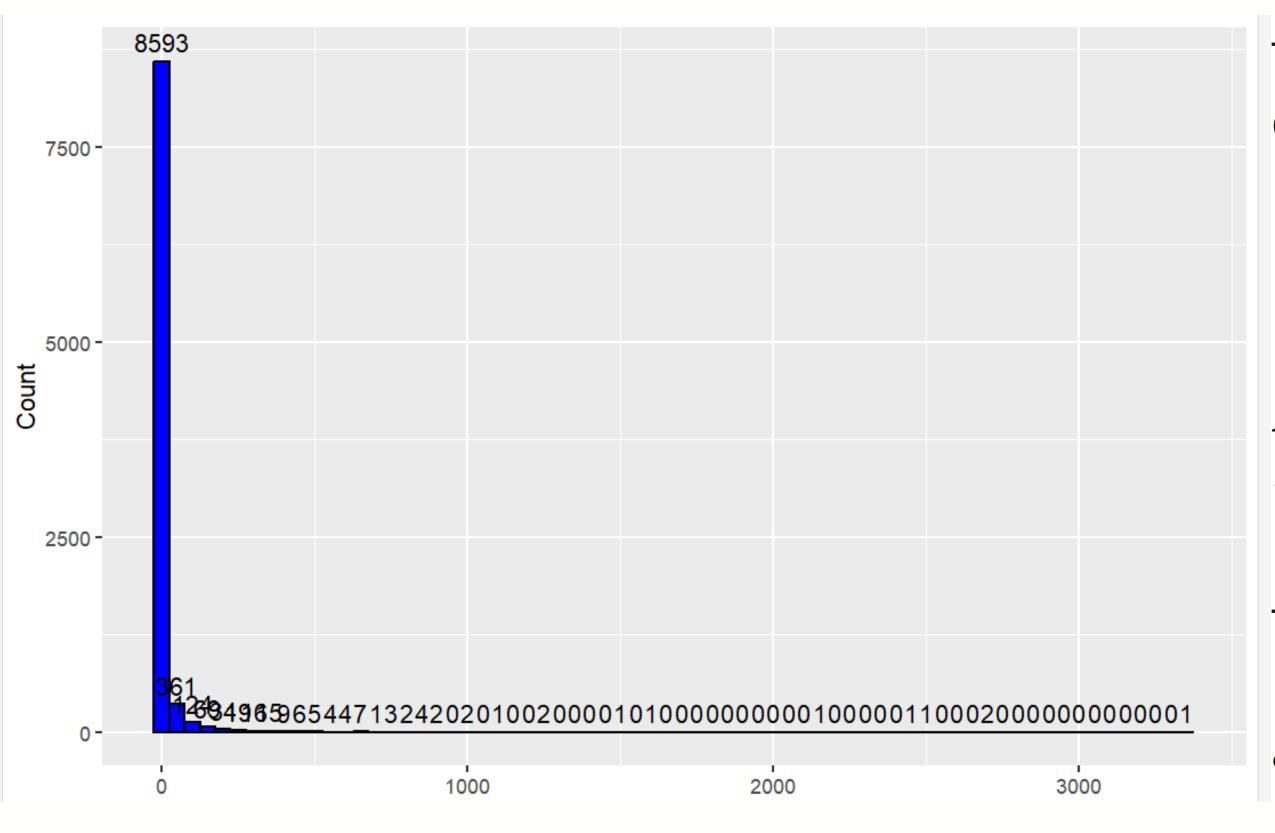
The **histogram** illustrates the distribution of ratings A majority of ratings fall within the range of 4 and 5, with a peak at 4. Ratings of 1 and 2 are relatively rare. This suggests that the overall satisfaction level is high.



The **bar chart** illustrates the top 10 dietary restrictions. "Vegetarian Friendly" is the most common restriction, followed by "Vegetarian Friendly Vegan Options". Restrictions involving combinations of vegetarian, vegan, halal, and gluten-free options are also represented, but with significantly lower counts.



The **scatter plot** shows a trend between raw ranking and ranking position. The black line represents a genera downward trend, indicating that as the ranking position increases, the raw ranking tends to decrease. The green lines likely represent deviations or outliers from this trend.



The **histogram** illustrates the distribution of the number of reviews. The majority of businesses have a very low number of reviews, with the highest count at 0 reviews. As the number of reviews increases, the count of businesses decreases sharply. This suggests that a small proportion of businesses have a high volume of reviews.

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VISUALIZATION 8

Reservations Seating Table Service

Reservations

Delivery Takeout Reservations Seating Table Service

Takeout Seating Table Service

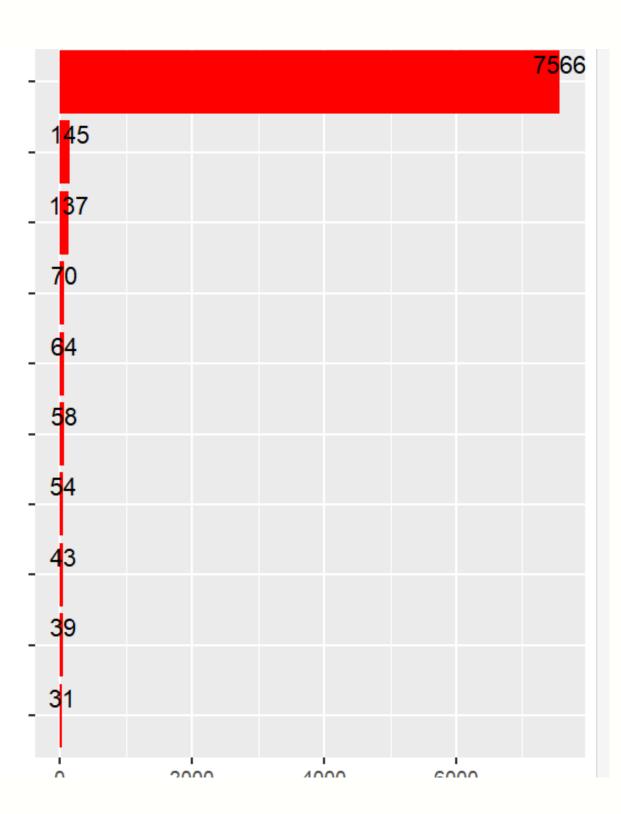
Takeout Reservations Seating Table Service

Delivery Takeout Seating Table Service

Seating Table Service

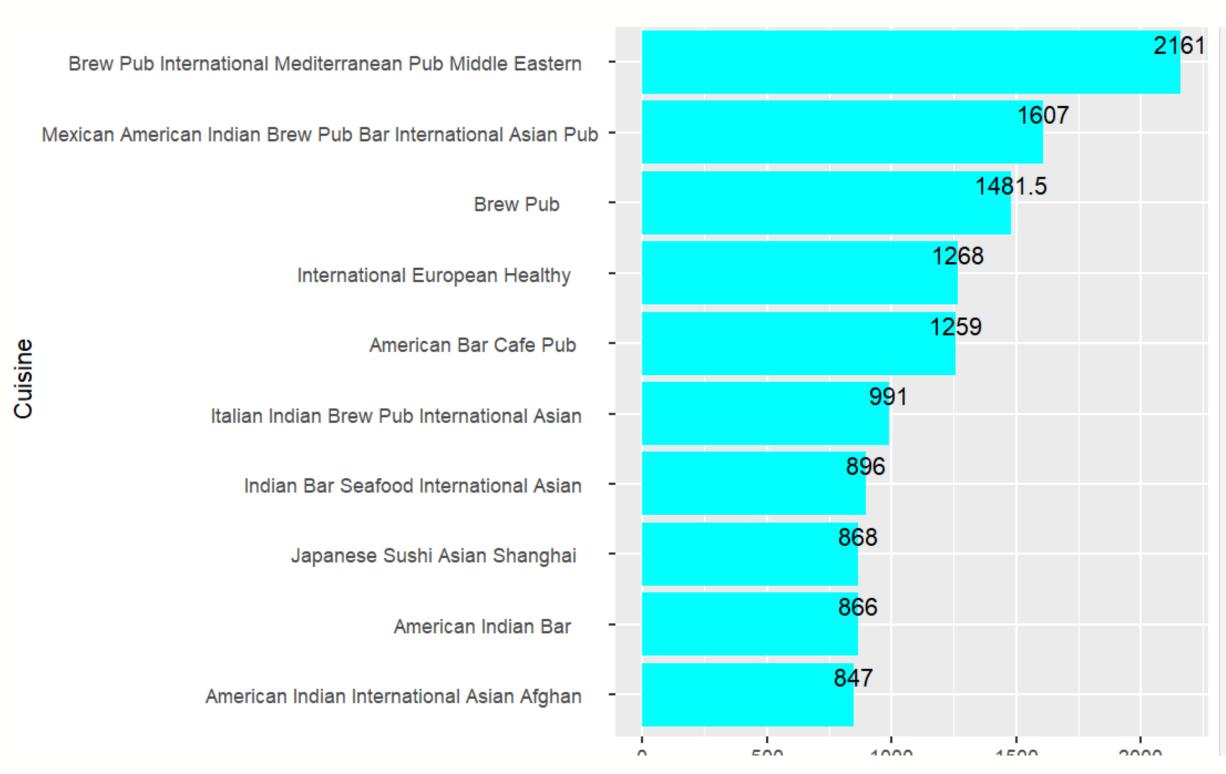
Delivery Takeout

Reservations Seating Serves Alcohol Table Service

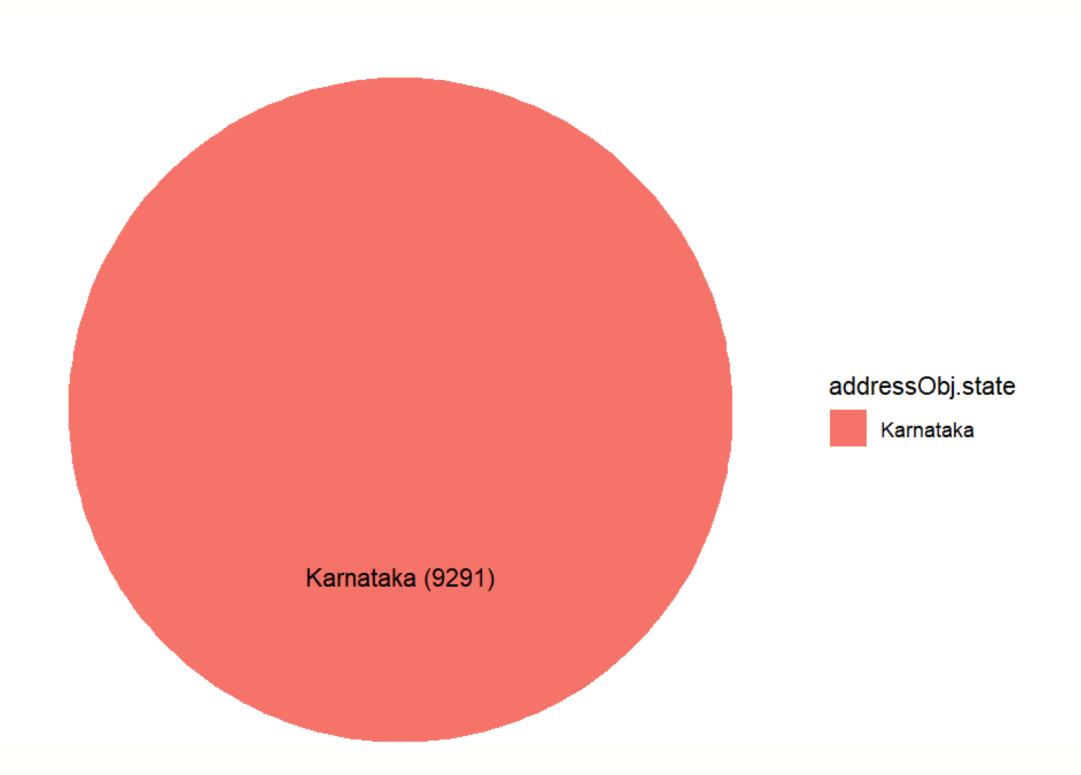


The **bar chart** illustrates the top 10 features.

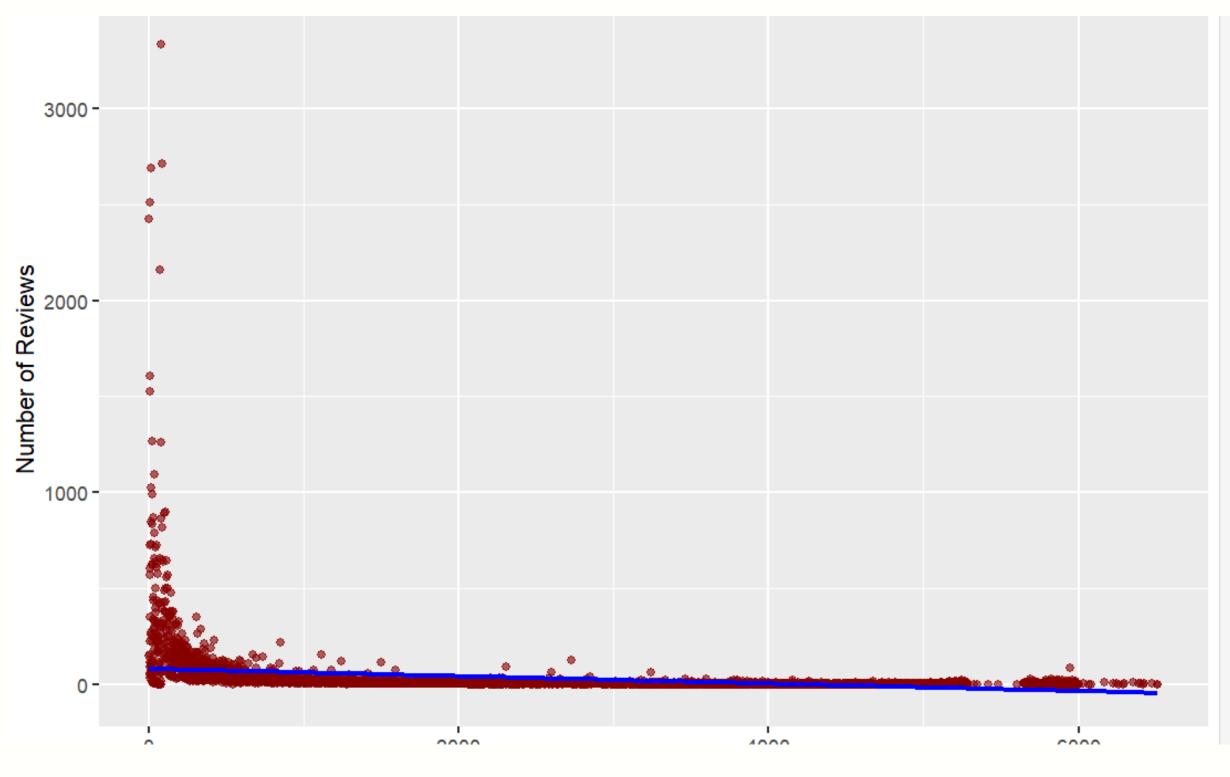
"Reservations" is the most common feature, with a count of 7566. Other features include "Seating," "Table Service," "Takeout," and "Delivery," often in combination. The presence of "Serves Alcohol" indicates that some establishments offer alcoholic beverages.



The **bar chart** illustrates the average number of reviews by cuisine. "Brew Pub International Mediterranean Pub Middle Eastern" has the highest average number of reviews at 2161, followed by "Mexican American Indian Brew Pub Bar International Asian Pub" and "Brew Pub." The cuisines with the lowest average number of reviews are "American Indian International Asian Afghan" and "American Indian Bar."

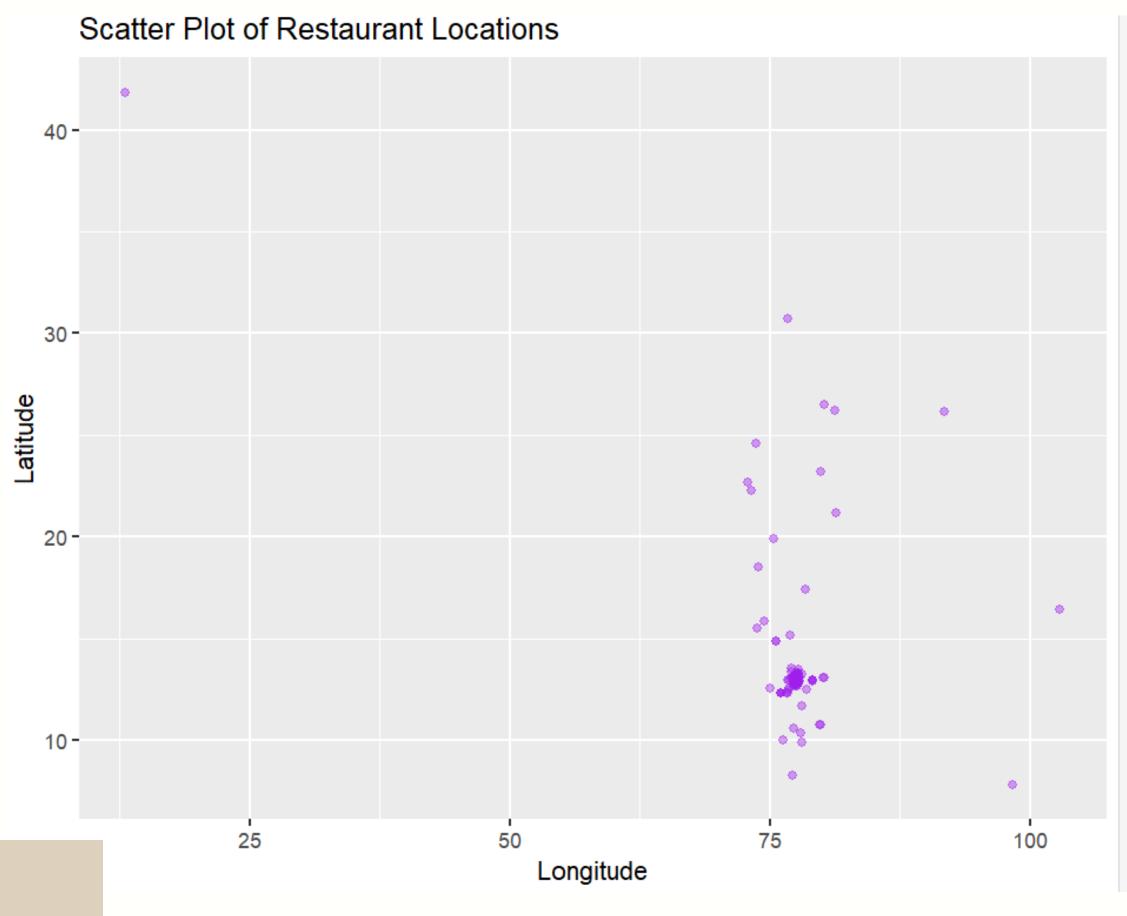


The **pie chart** illustrates the top 5 states by restaurant count. Karnataka is the clear leader, accounting for the entire pie chart. This suggests that Karnataka has a significantly higher restaurant count compared to the other states in the top 5.

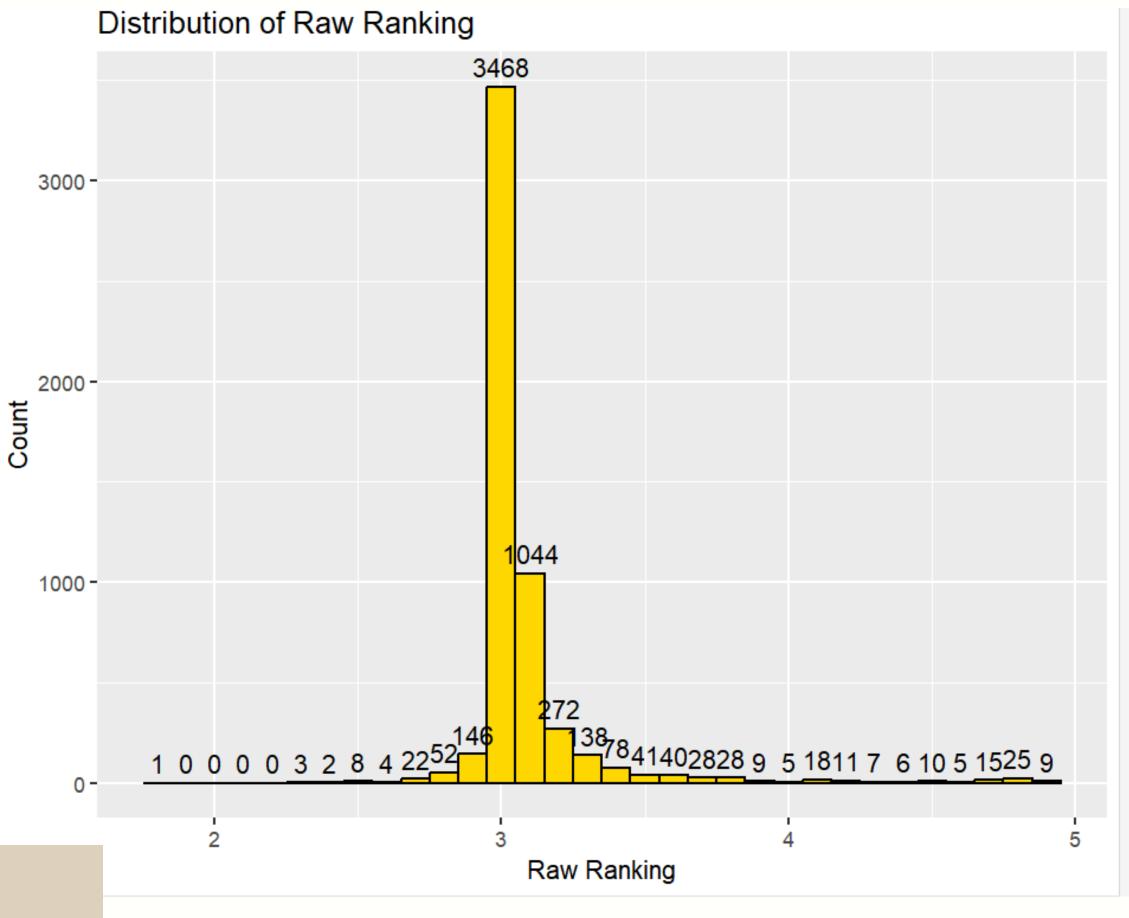


The **scatter plot** illustrates the correlation between ranking position and the number of reviews. There appears to be a weak negative correlation, meaning that as the ranking position increases, the number of reviews generally decreases. However, there is also significant scatter, suggesting that other factors besides ranking position influence the number of reviews.

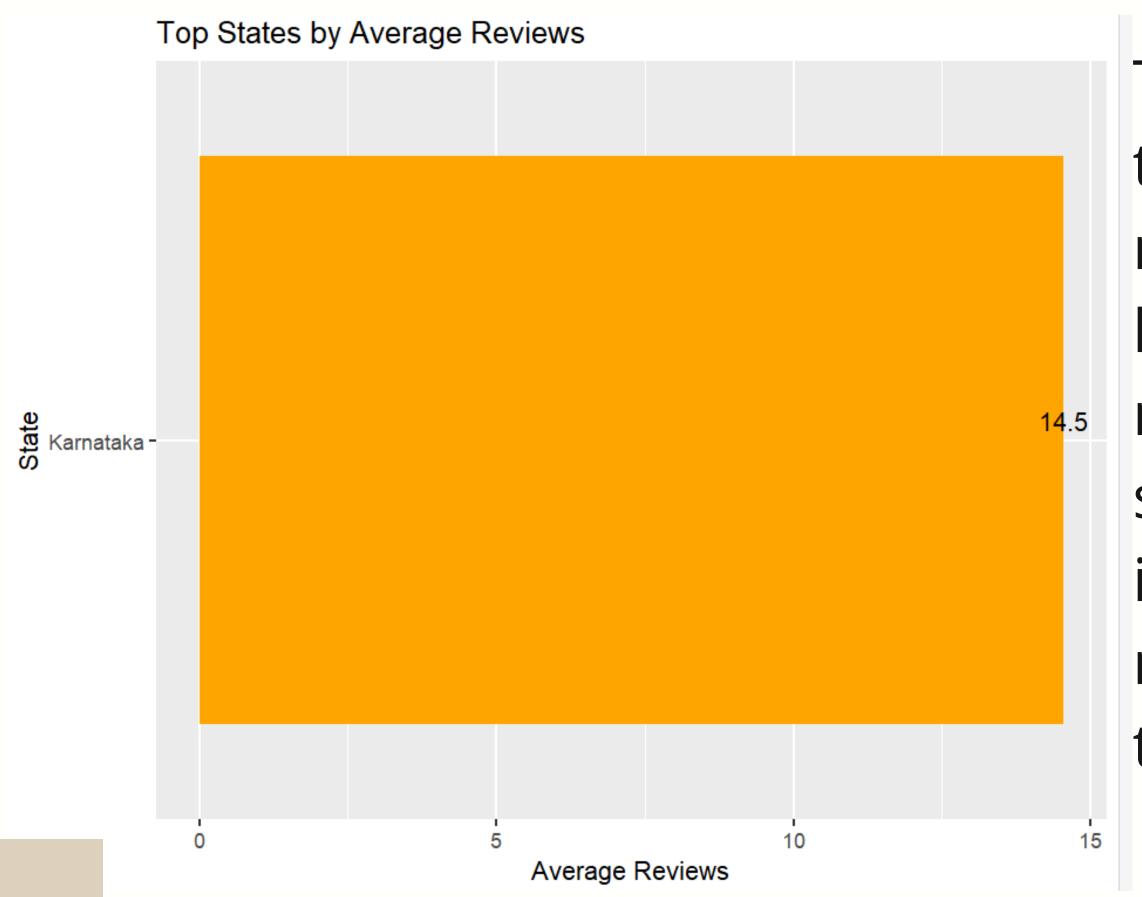
The chart displays the average rating for a wide variety of cuisines. The majority of cuisines cluster around an average rating between 3 and 4. A few cuisines have very high ratings, while others have lower ratings. This visualization suggests that overall, the average rating across different cuisines is generally positive.



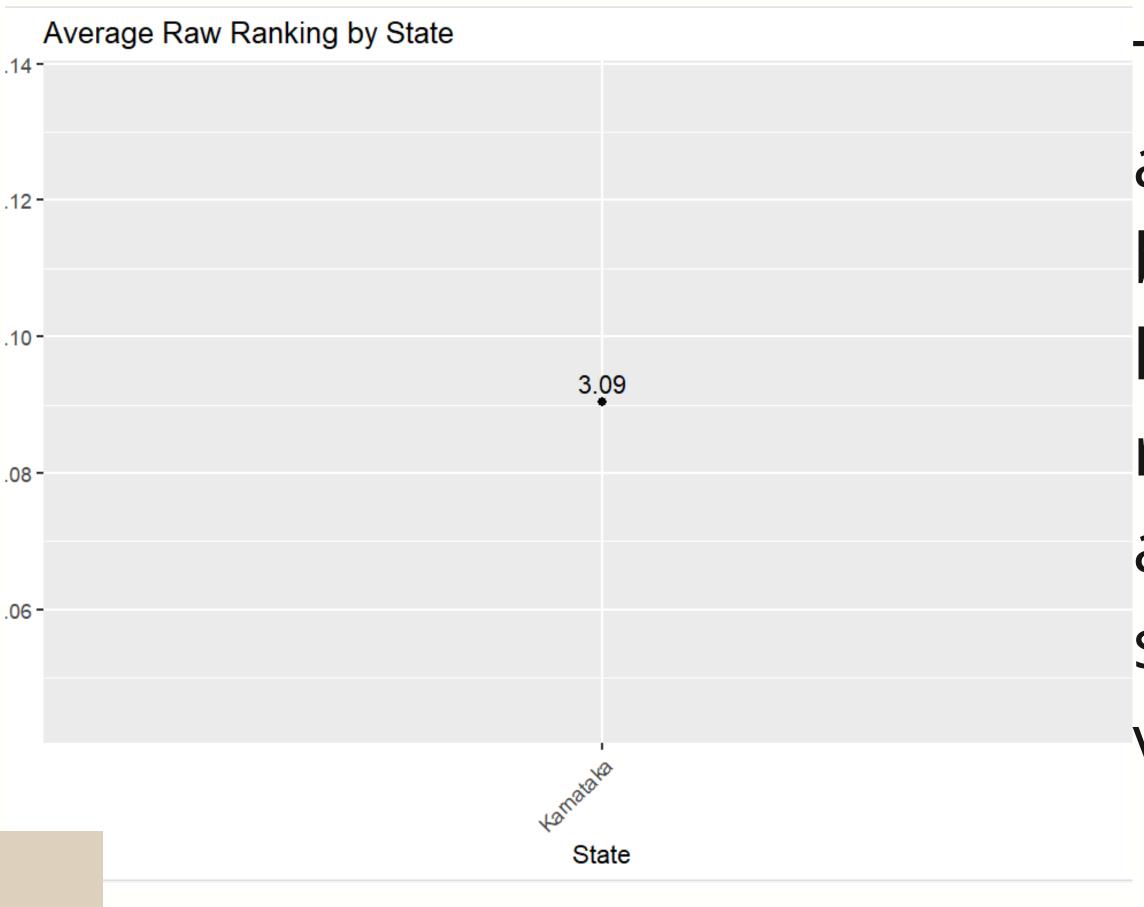
The **scatter plot** visualizes the locations of restaurants based on their longitude and latitude coordinates. The majority of restaurants appear to be clustered in a specific region, while a few are more sparsely distributed. This suggests that there may be areas with higher concentrations of restaurants compared to others.



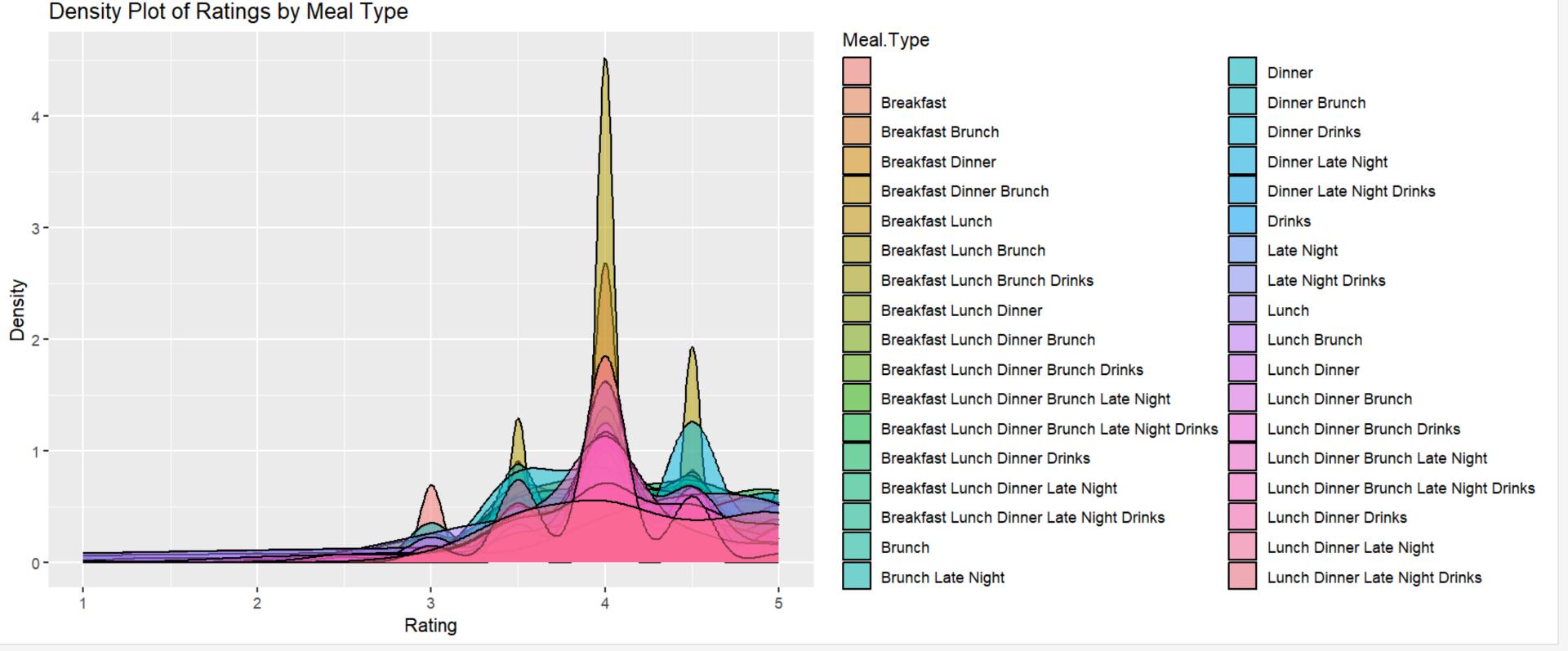
The **histogram** illustrates the distribution of Raw Ranking. The majority of values cluster around 3 with a count of 1044. There are significantly fewer values at 2 and 4, with a count of 272 and 138 respectively. The distribution tails off rapidly towards 1 and 5, indicating that these values are less frequent.



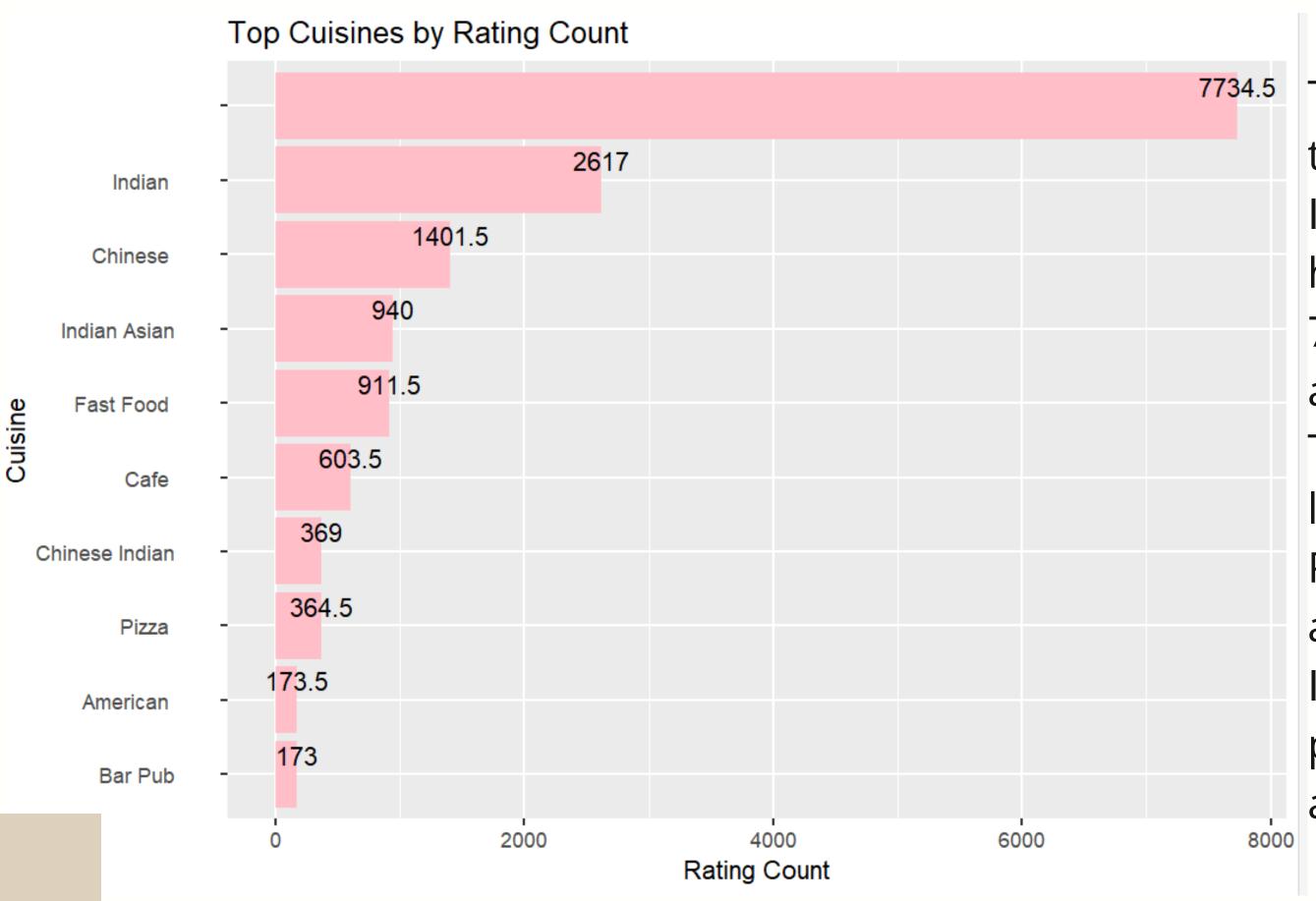
The **bar chart** illustrates the top states by average reviews. Karnataka has the highest average number of reviews at 14.5. This suggests that restaurants in Karnataka, on average, receive more reviews than those in other states.



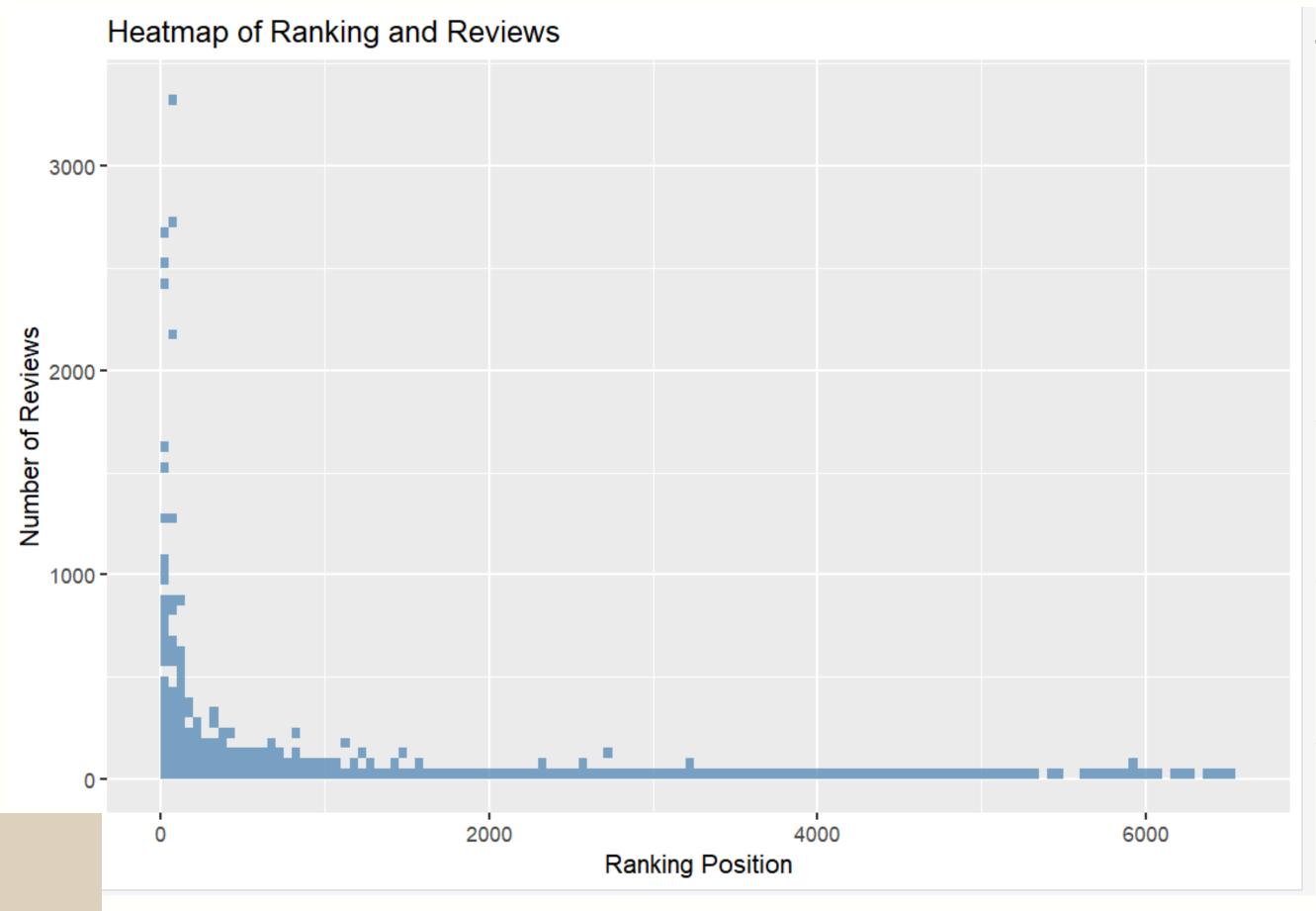
The chart displays the average raw ranking by state. Karnataka has an average raw ranking of 3.09. It appears to be the only state included in this visualization.



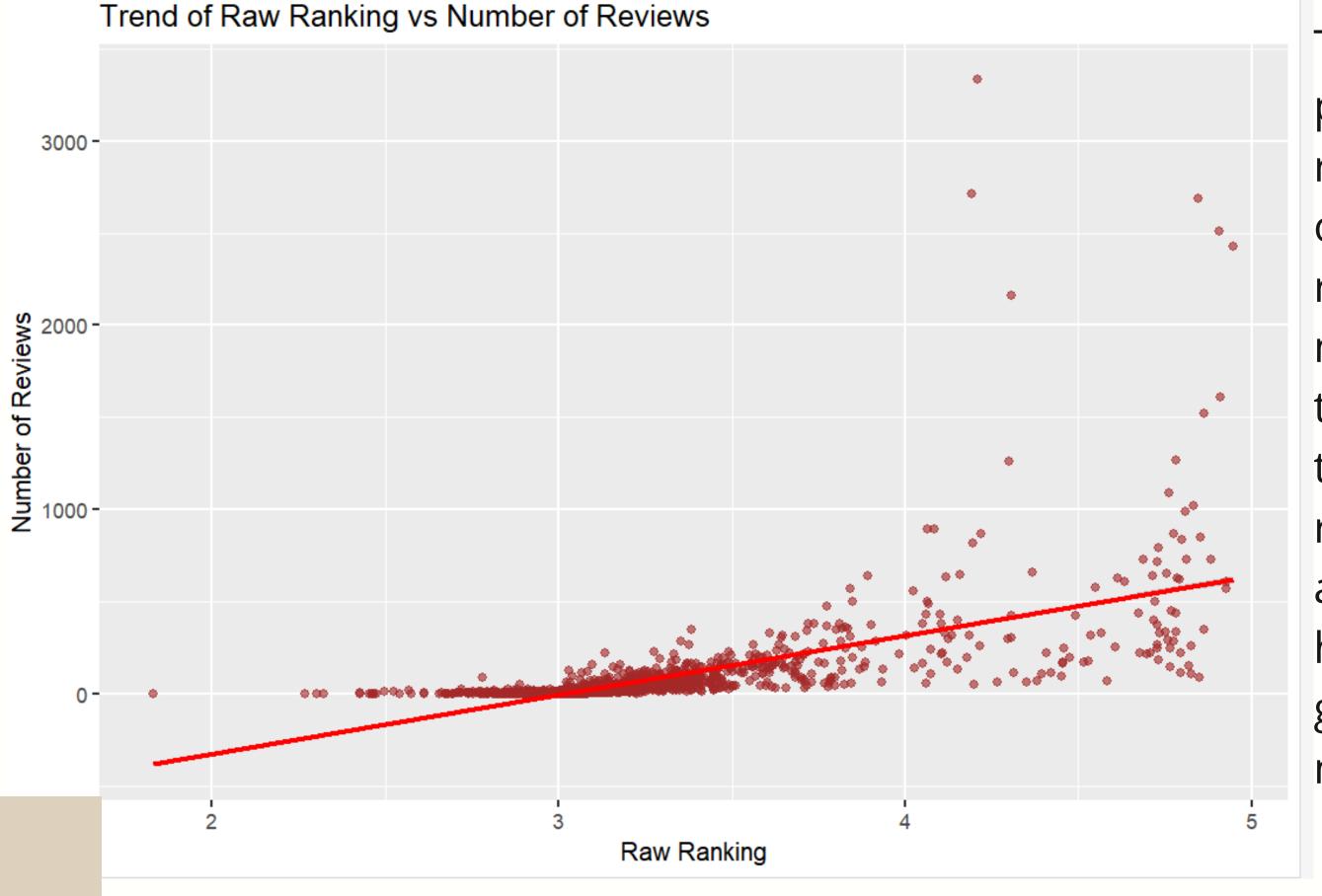
The **density plot** illustrates the distribution of ratings across different meal types. Most meal types show a peak in ratings around 3.5-4.0, suggesting a generally high level of satisfaction. Some meal types, like "Dinner" and "Lunch Dinner," exhibit a broader range of ratings, while others, such as "Late Night Drinks," have a more concentrated distribution.



The **bar chart** illustrates the top cuisines by rating count. Indian cuisine has the highest rating count at 7734.5, followed by Chinese and Indian Asian cuisines. The remaining cuisines have lower rating counts, with Bar Pub having the lowest count at 173. This suggests that Indian cuisine is the most popular and highly rated among the listed cuisines.



The **heatmap** visualizes the relationship between Ranking Position and Number of Reviews. The darker areas indicate a higher density of data points, suggesting a concentration of restaurants with specific combinations of ranking and review counts. The heatmap shows a clear pattern where restaurants with lower ranking positions tend to have a higher number of reviews, while those with higher ranking positions have fewer reviews.



The **scatter plot** shows a positive correlation between raw ranking and the number of reviews. As the raw ranking increases, the number of reviews also tends to increase. The red trend line visually represents this positive association, suggesting that higher-ranked restaurants generally have a larger number of reviews.

THANKYOU