IDS PROJECT

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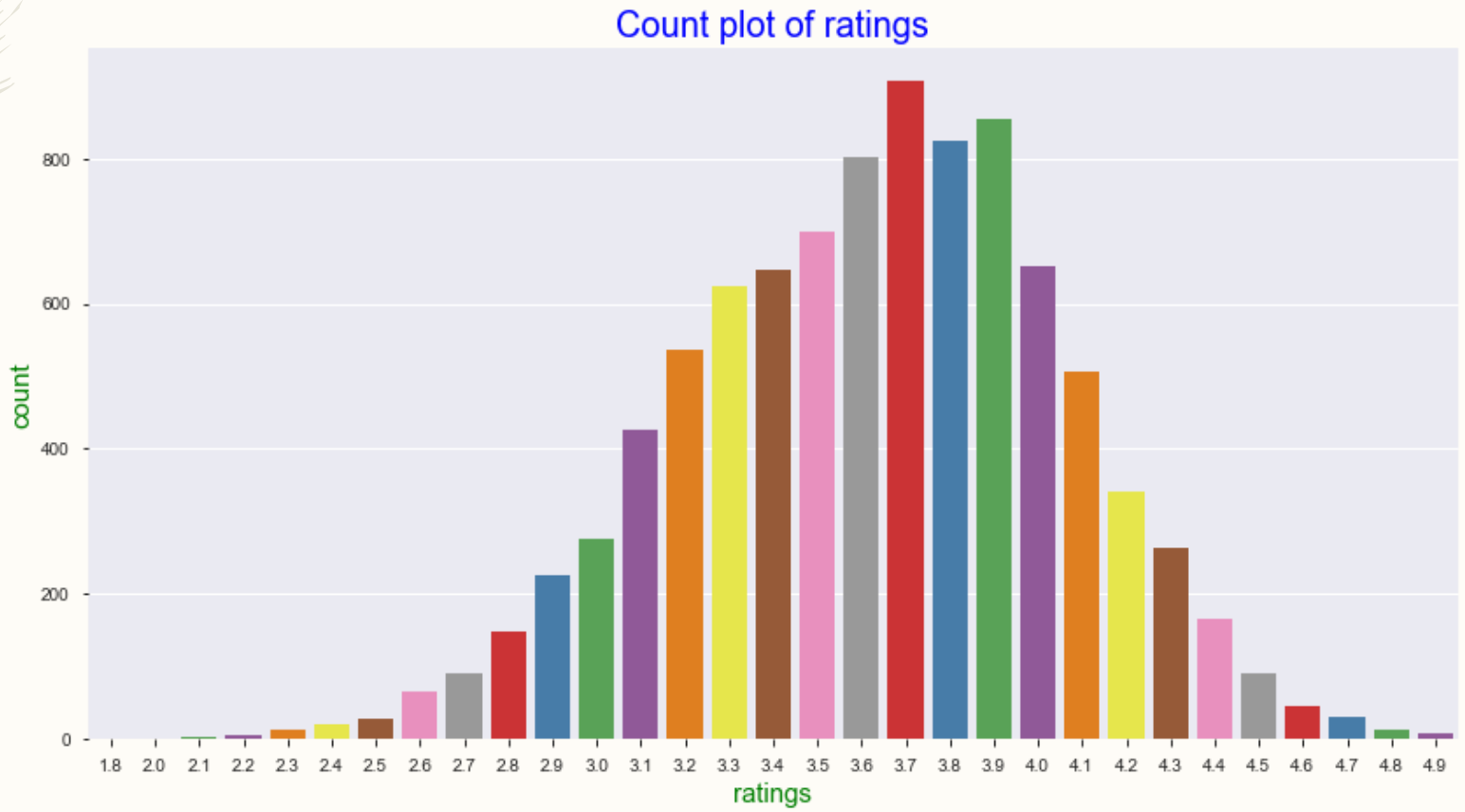
CLEANING

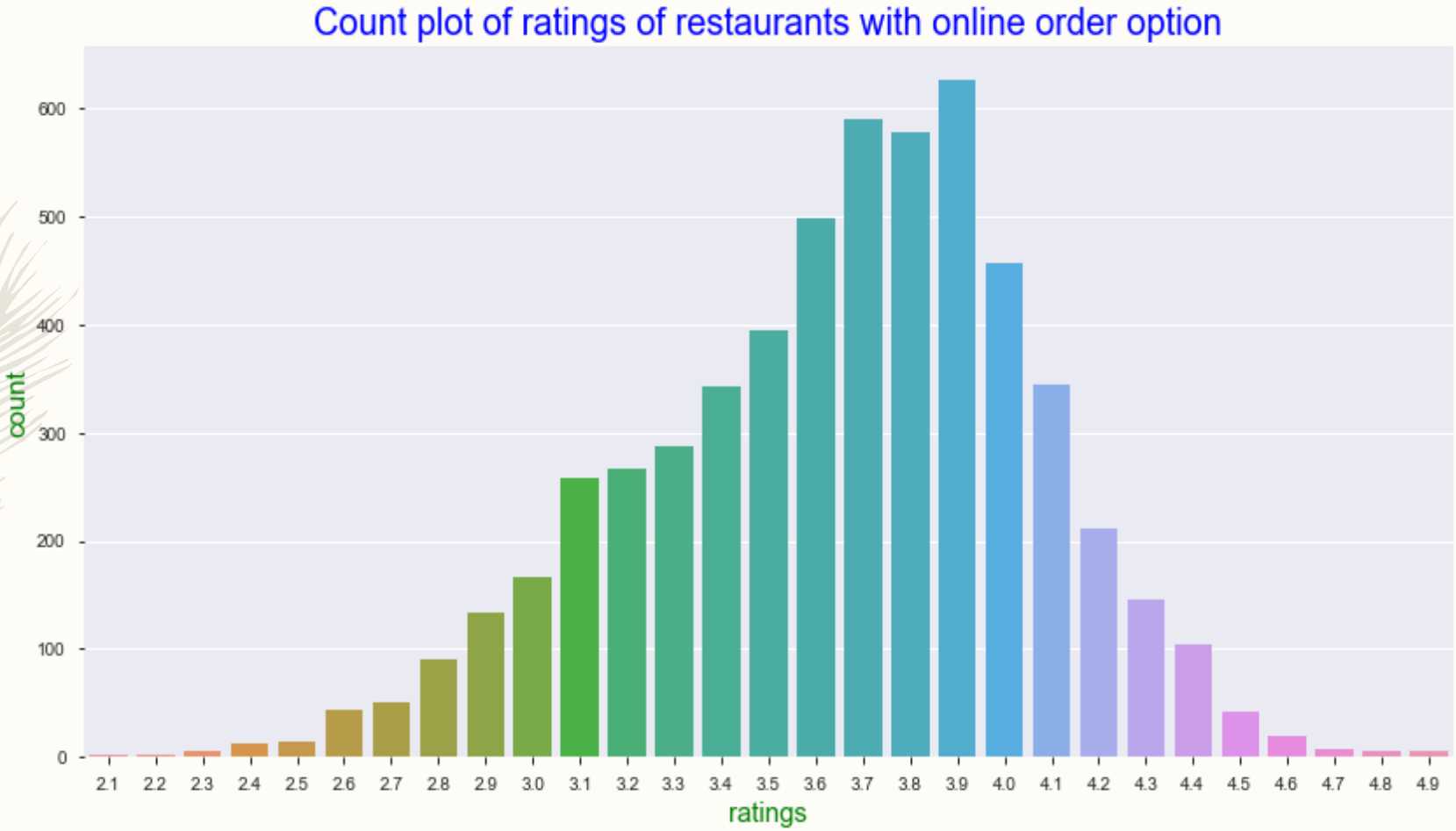
- Dropped url and phone
- Got rid of duplicate restaurants by filtering out unique name, address pairs
- Kept only rates with numerical value, renamed to ‘ratings’
- Replaced nan votes with median
- Renamed location to ‘city_specifics’
- Replaced nan rest_type with mode
- Replaced nan cuisines with mode
- Replaced approx_cost(for two people) with mean, renamed to ‘approx_cost’
- Renamed listed_in(type) to ‘meal_type’

Visualizations

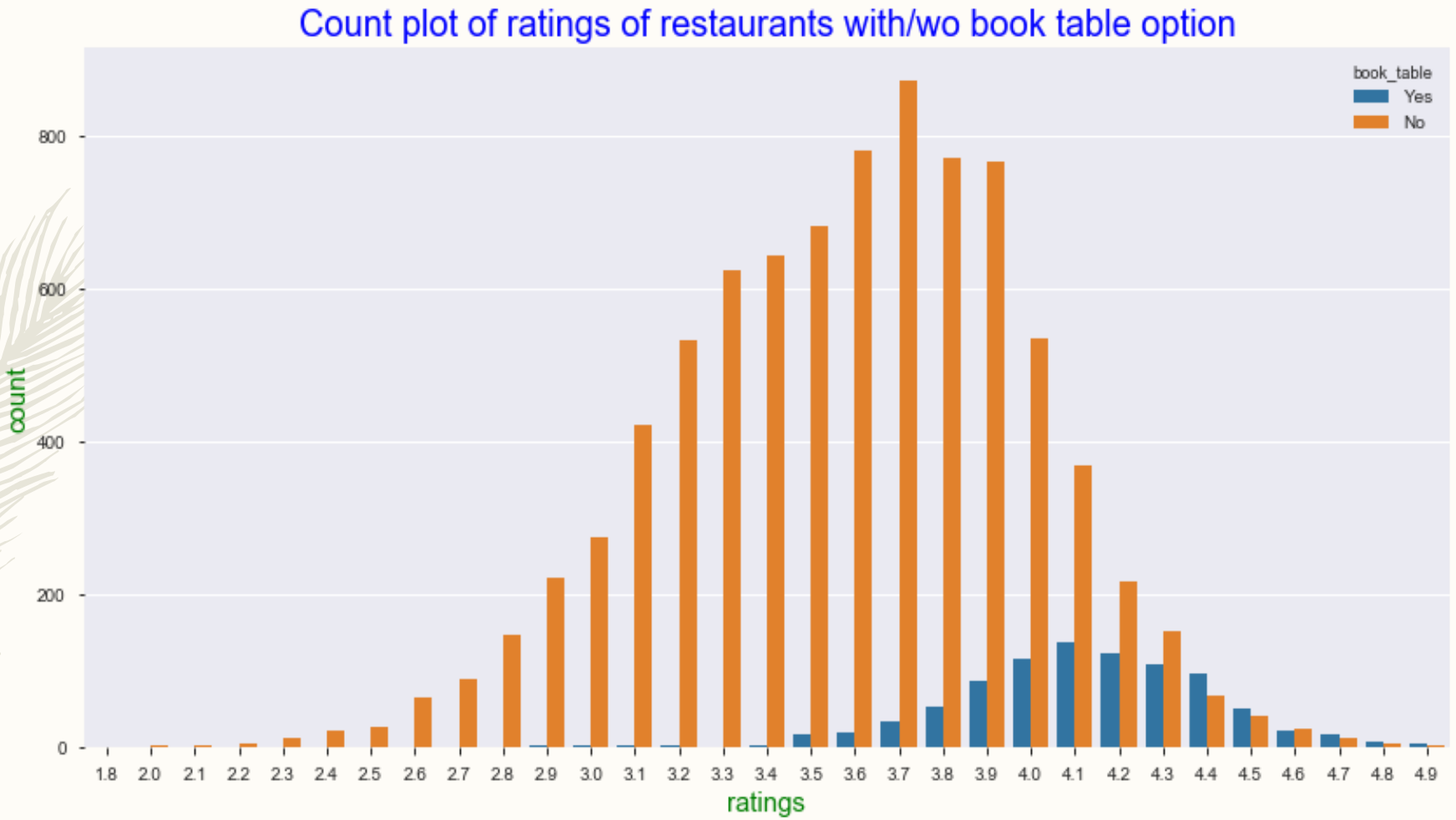
Count vs Ratings seems to show a near normal distribution with mean=3.7



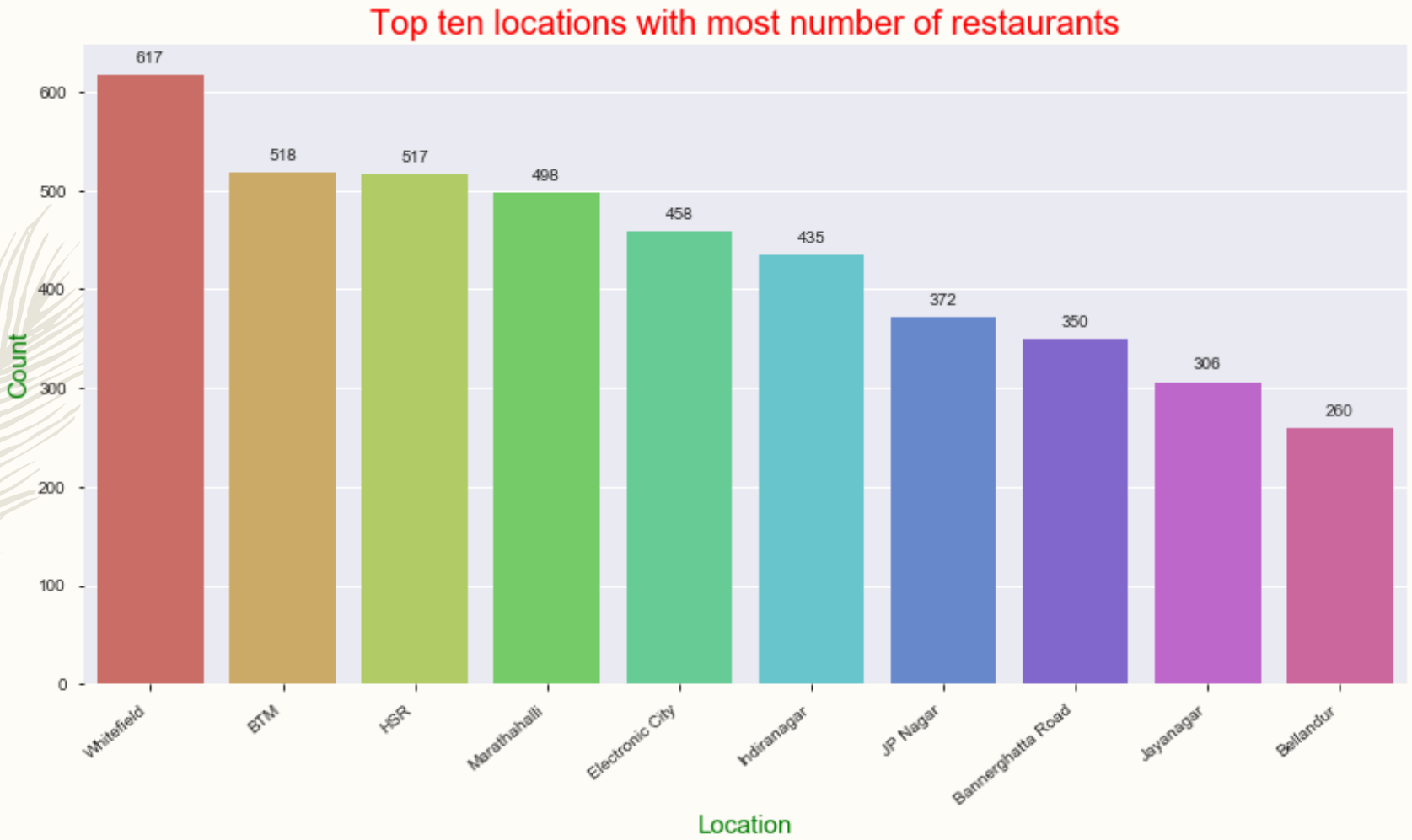
We can see that the mean doesn’t shift too far away from what it was overall. Therefore, online order doesn’t seem to have an effect on ratings.



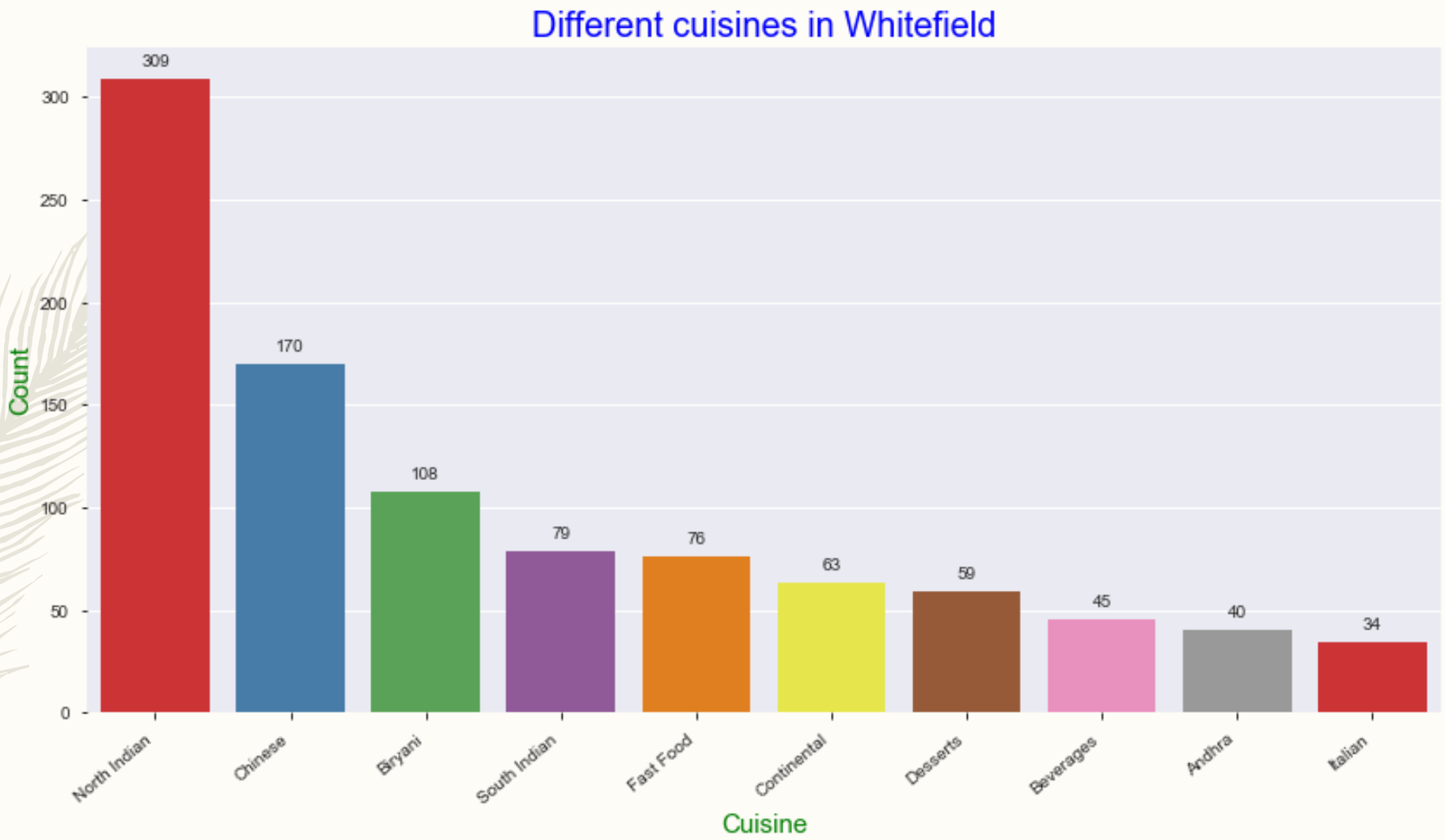
We can clearly see that there is a positive shift in the mean ratings when the book table option is there.



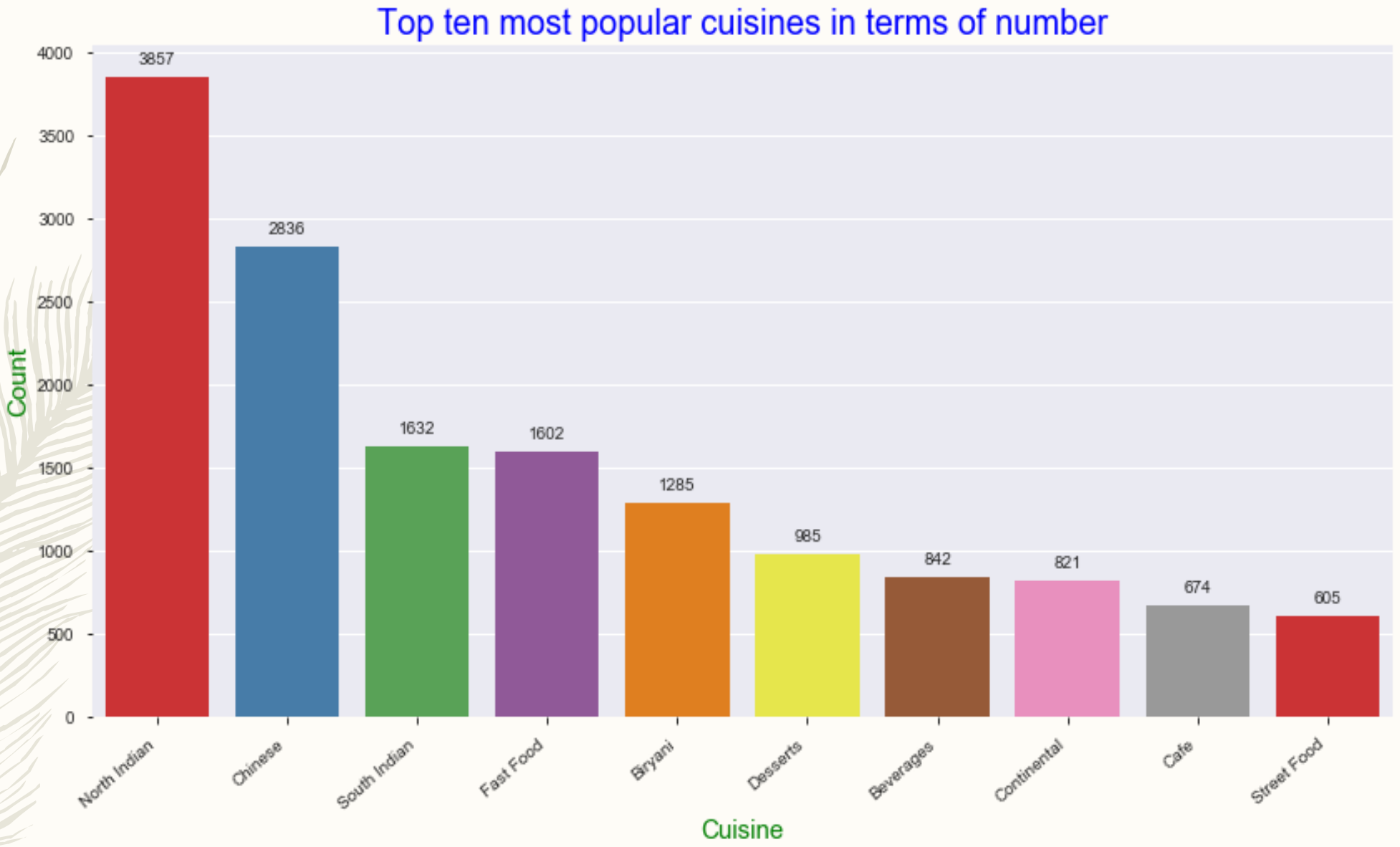
From this graph, we can see that Whitefield has the most number of restaurants. Makes sense, as it is a major IT hub, and hence, would be densely populated with people from all over

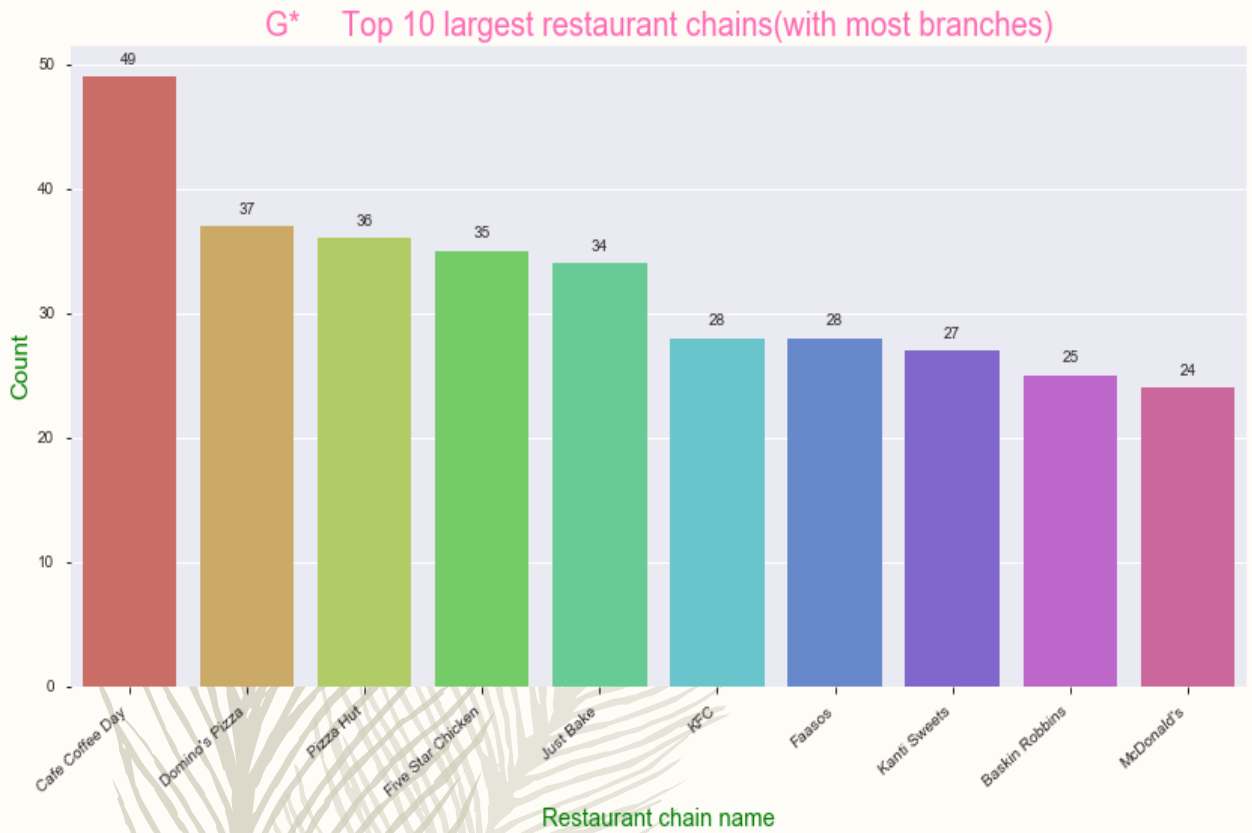


We can see that the most popular cuisine in Whitefield is North Indian. Again, makes sense as Bangalore is a cosmopolitan IT hub with many of our neighbours from the north living with us.



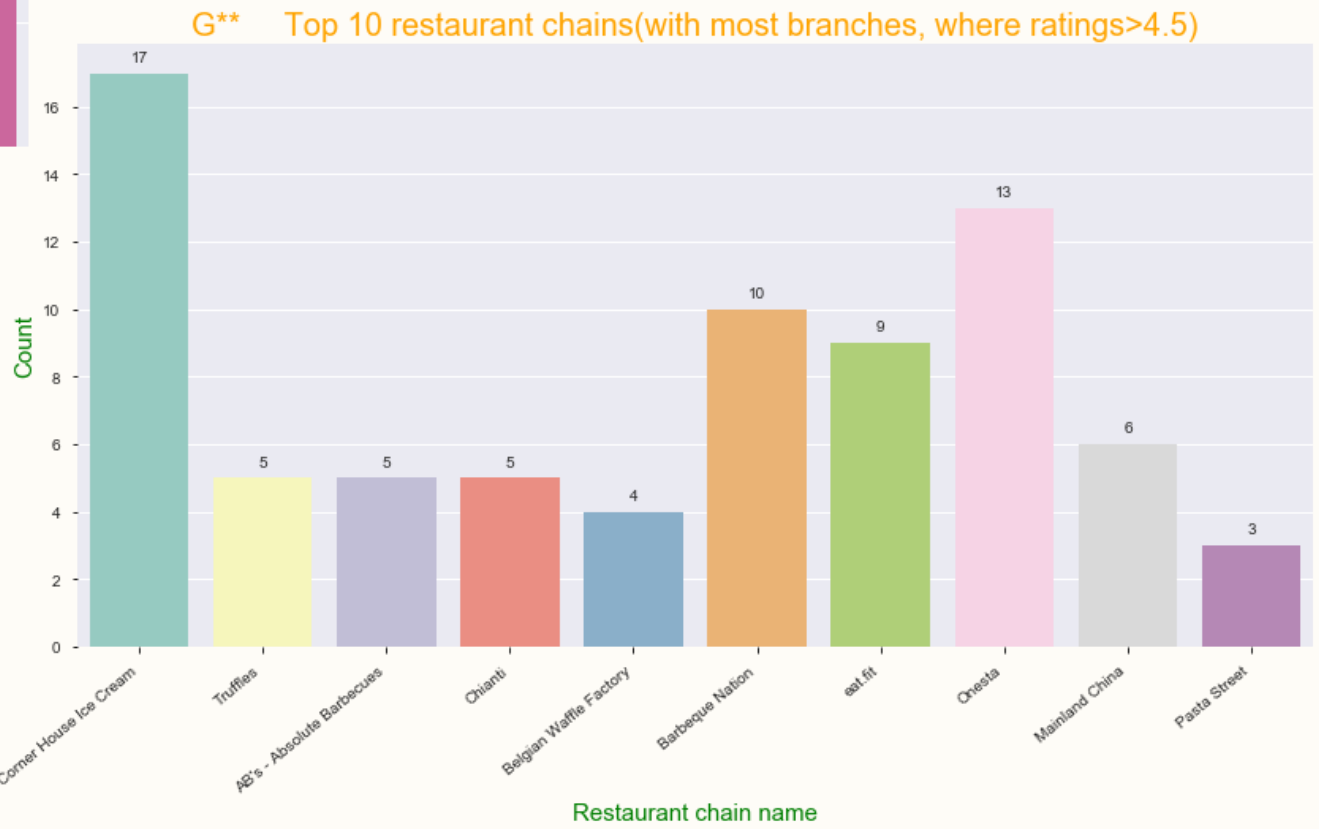
Once again, North Indian food is the winner. It's followed by Chinese and South Indian food

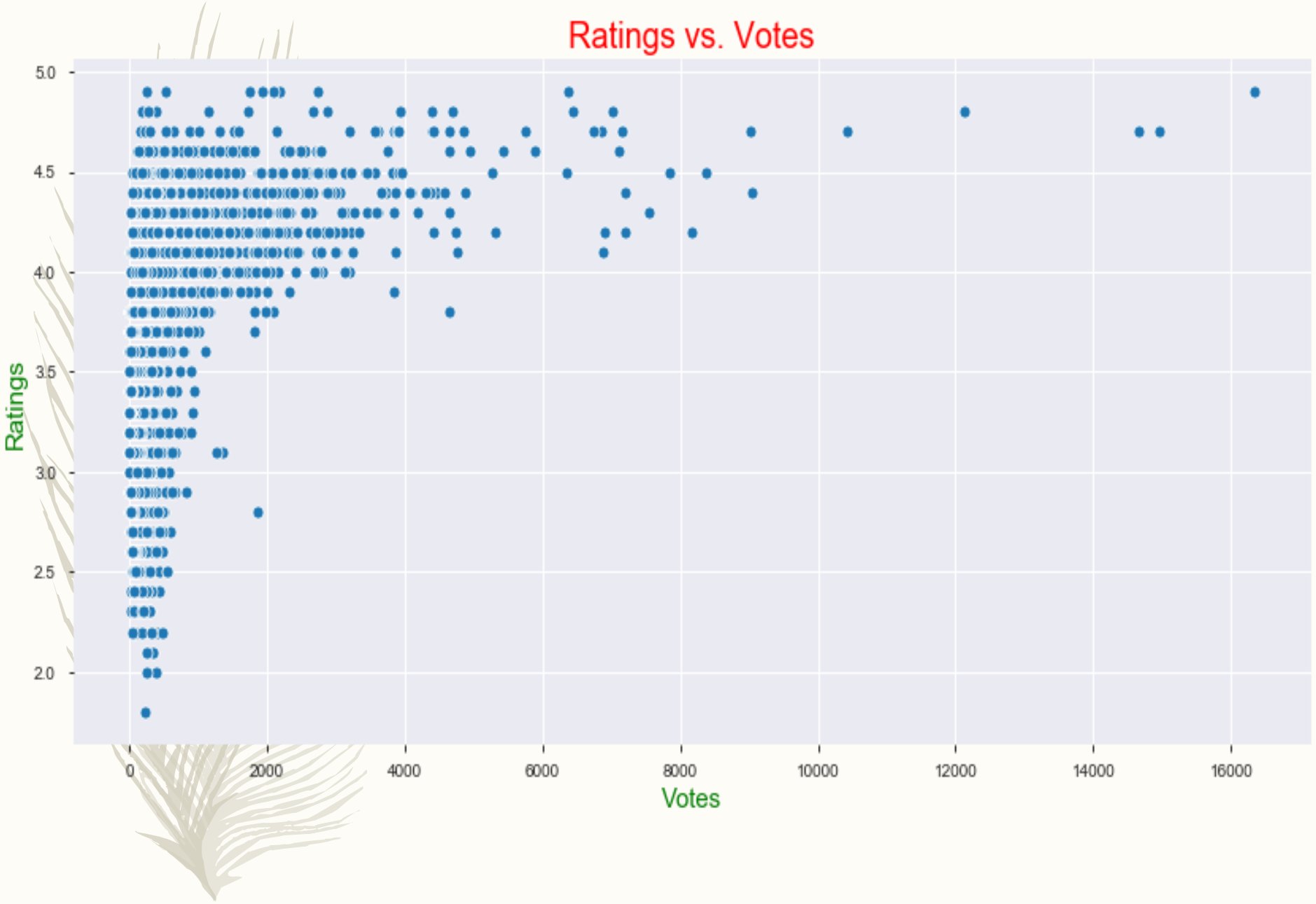




We can see that Café Coffee Day has the highest number of branches, namely 49. It's followed by Domino's Pizza and Pizza Hut.

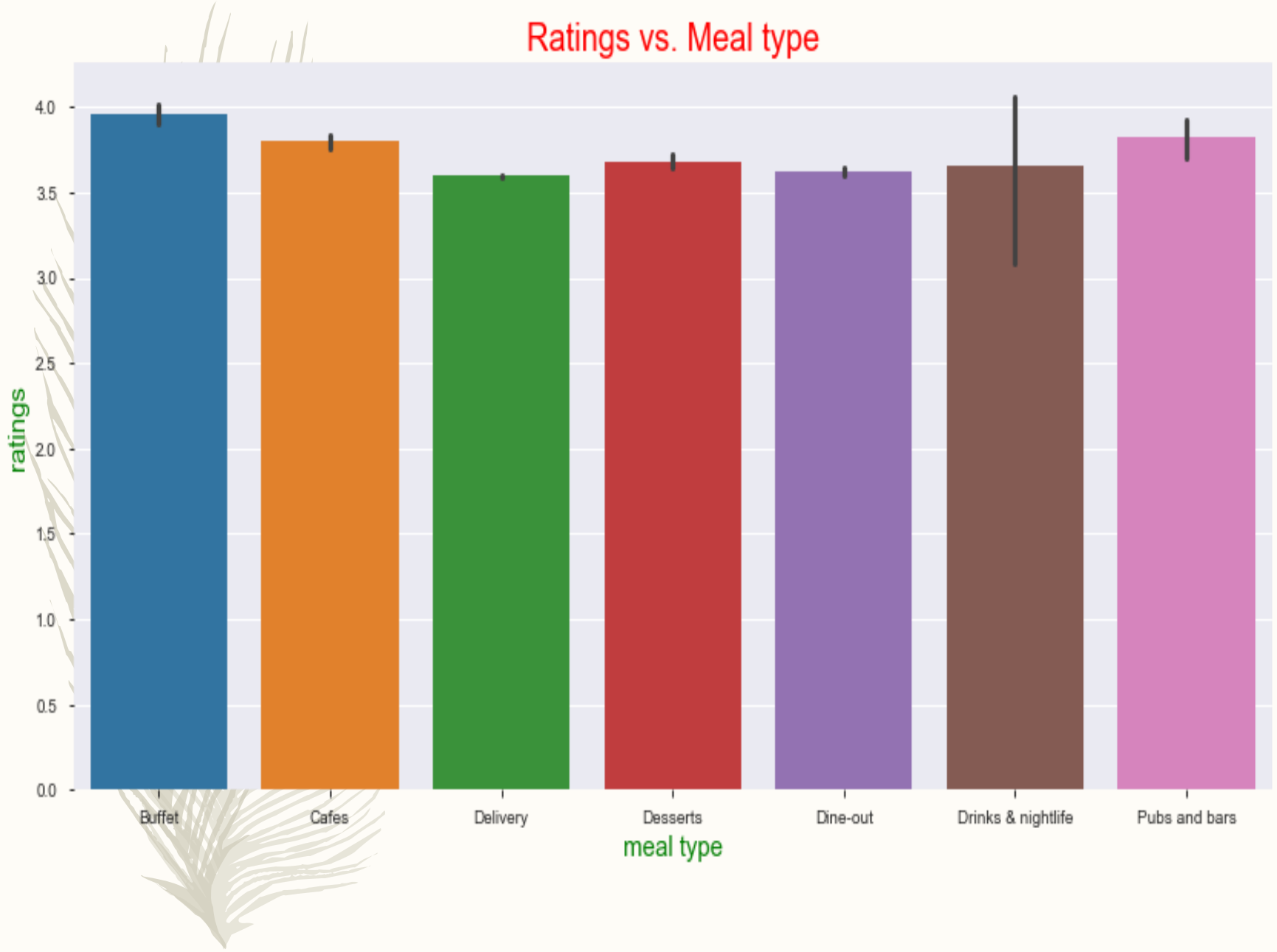
We can see that none of the places which were in G* showed up in G**. This means that none of the restaurants with a great number of branches have a high rating. Pasta Street, which has 3 branches, out-rates CCD, which has 49.





There's no clear relationship, but we can see that low rated restaurants(<3.5) do not have more than 1500 votes most restaurants with higher ratings have votes lying bw 0-2500

Now, what is the one outlier in the top right corner? (go to report/code)


Ratings vs. Meal type
ratings
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Buffet
Cafes
Delivery
Desserts
Dine-out
Drinks & nightlife
Pubs and bars
meal type