

# If You Want To Travel To Europe after Bootcamp You must see this presentation

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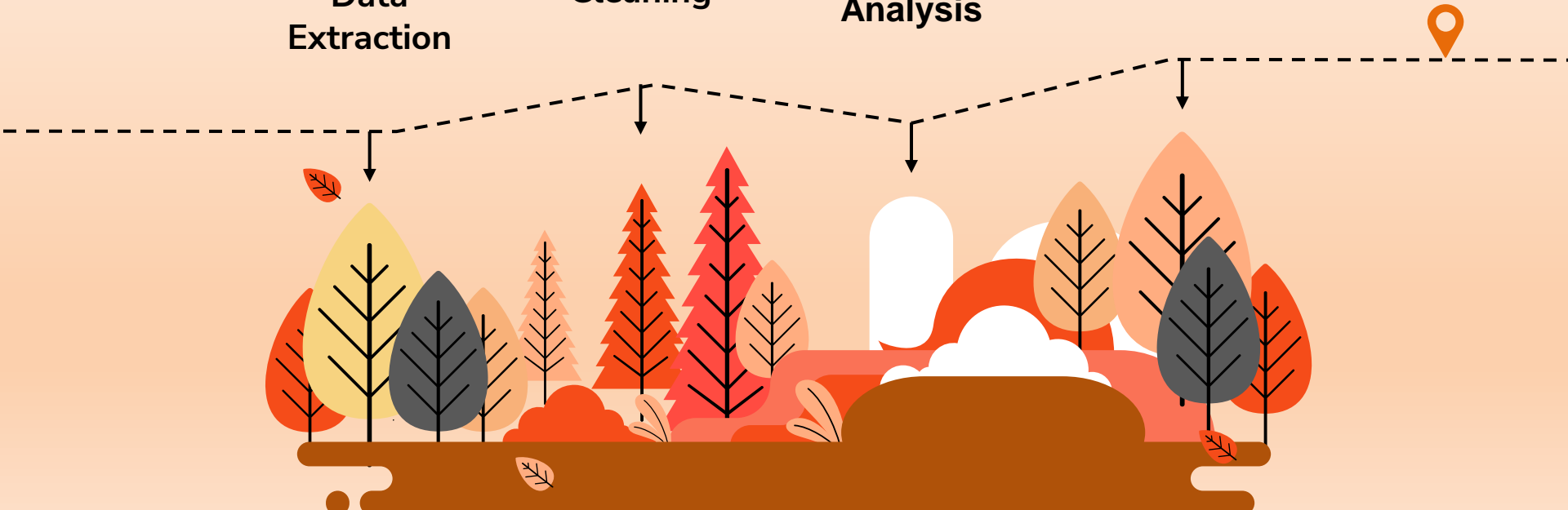


# Analysis Hotels Reviews in Europe (EDA)

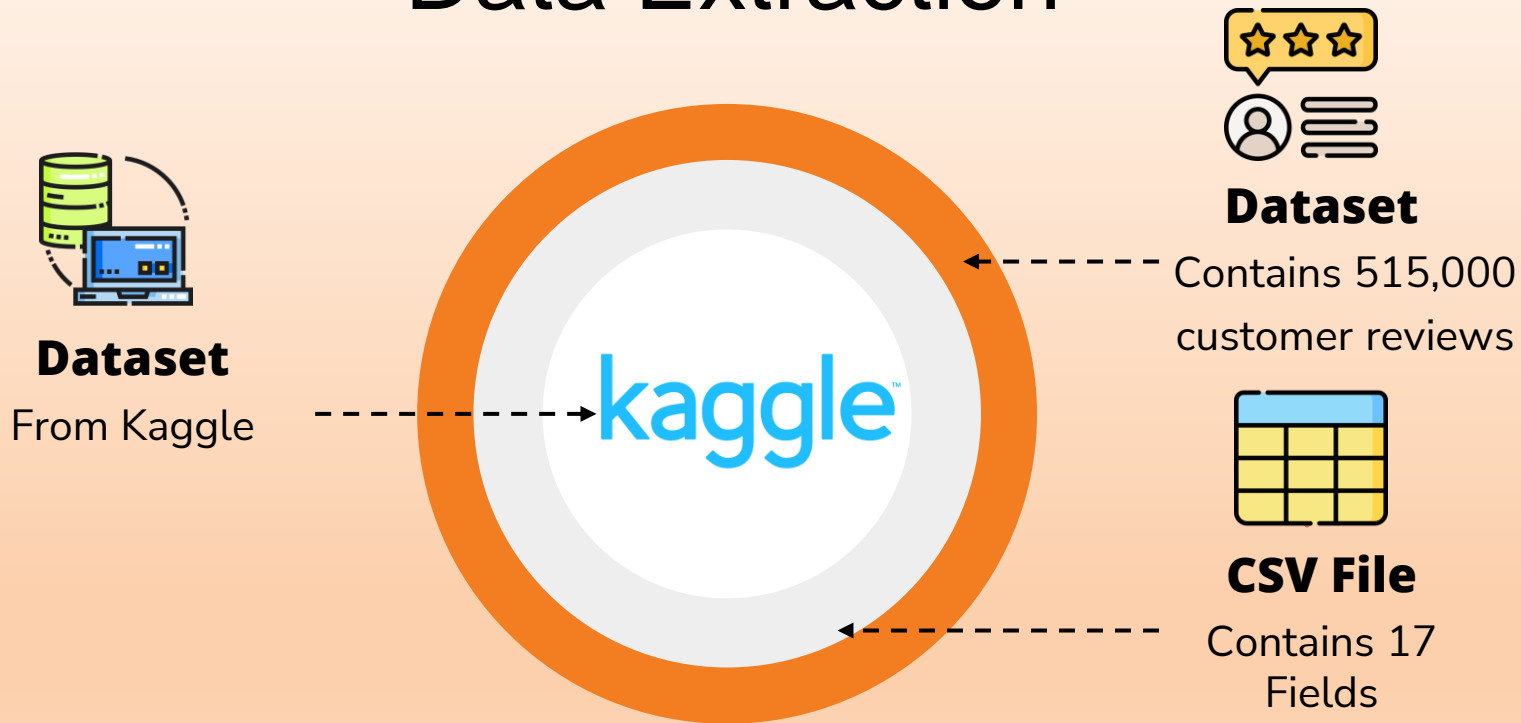


# Table Of Contents

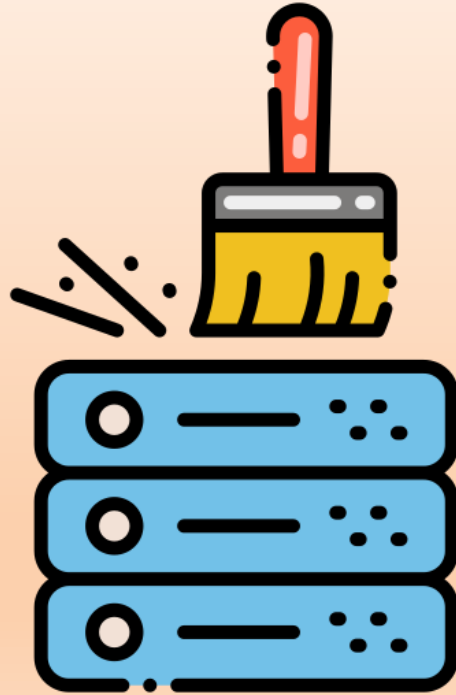
- 1**  
**Data**  
**Extraction**
- 2**  
**Data**  
**Cleaning**
- 3**  
**Analysis**
- 4**  
**Conclusion**



# Data Extraction



# Data Cleaning



## checking the missing value & test dataset

Main Data Frame																
Hotel_Address	Additional_Number_of_Scoring	Review_Date	Average_Score	Hotel_Name	Reviewer_Nationality	Negative_Review	Review_Total_Negative_Word_Counts	Total_Number_of_Reviews	Positive_Review	Review_Total_Positive_Word_Counts	Total_Number_of_Reviews_Reviewer_Has_Given	Reviewer_Score	Tags	days_since_review	lat	lng

# Finding missing data and the percentage of it in each column

	Total_NaN	Percent_NaN
lng	3268	0.006337
lat	3268	0.006337
Review_Total_Negative_Word_Counts	0	0.000000
Additional_Number_of_Scoring	0	0.000000
Review_Date	0	0.000000
Average_Score	0	0.000000
Hotel_Name	0	0.000000
Reviewer_Nationality	0	0.000000
Negative_Review	0	0.000000
Total_Number_of_Reviews	0	0.000000
Positive_Review	0	0.000000
Review_Total_Positive_Word_Counts	0	0.000000
Total_Number_of_Reviews_Reviewer_Has_Given	0	0.000000
Reviewer_Score	0	0.000000
Tags	0	0.000000
days_since_review	0	0.000000
Hotel_Address	0	0.000000

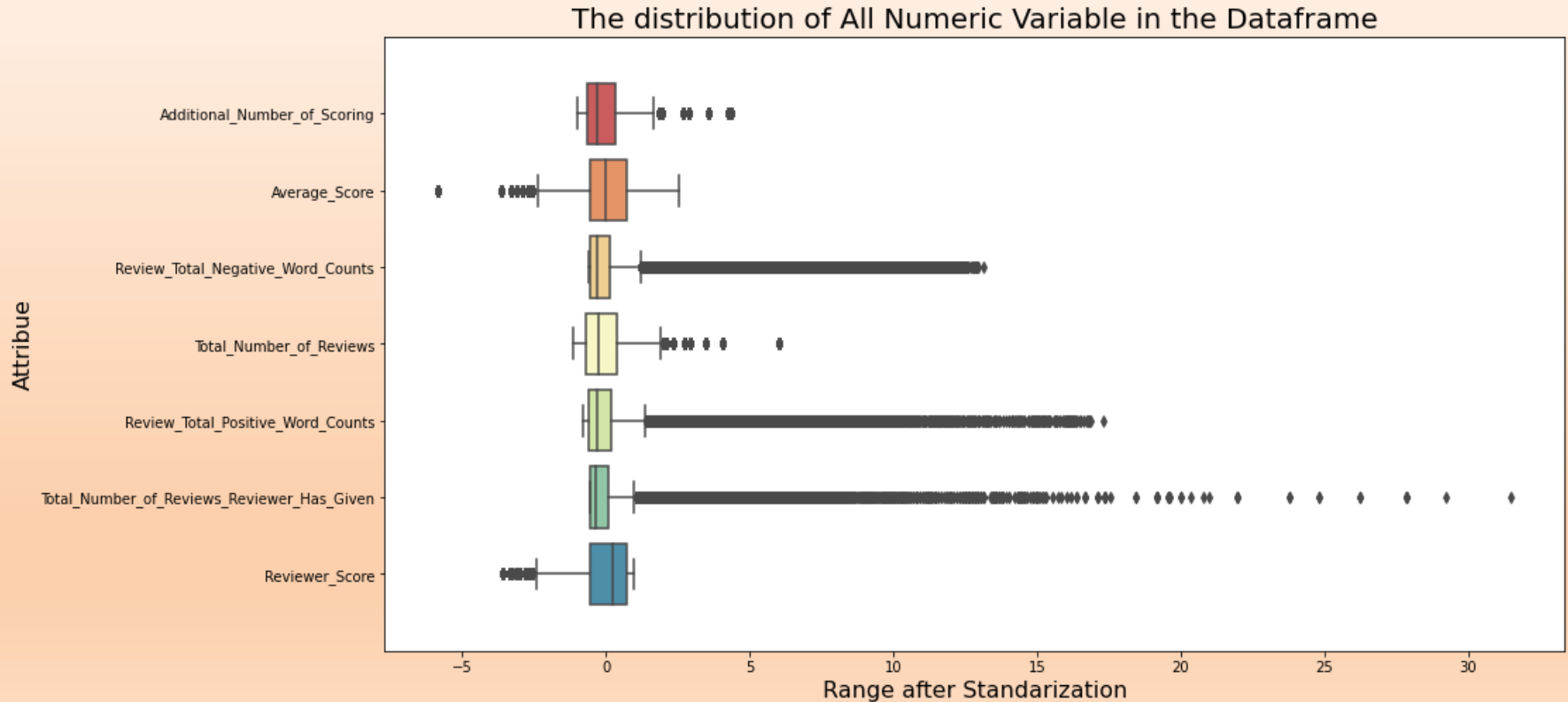
# Correlation Of Hotel Data Frame

Correlation Of Hotel DataFrame





## The distribution of All Numeric Variable in the Data frame



# Analysis

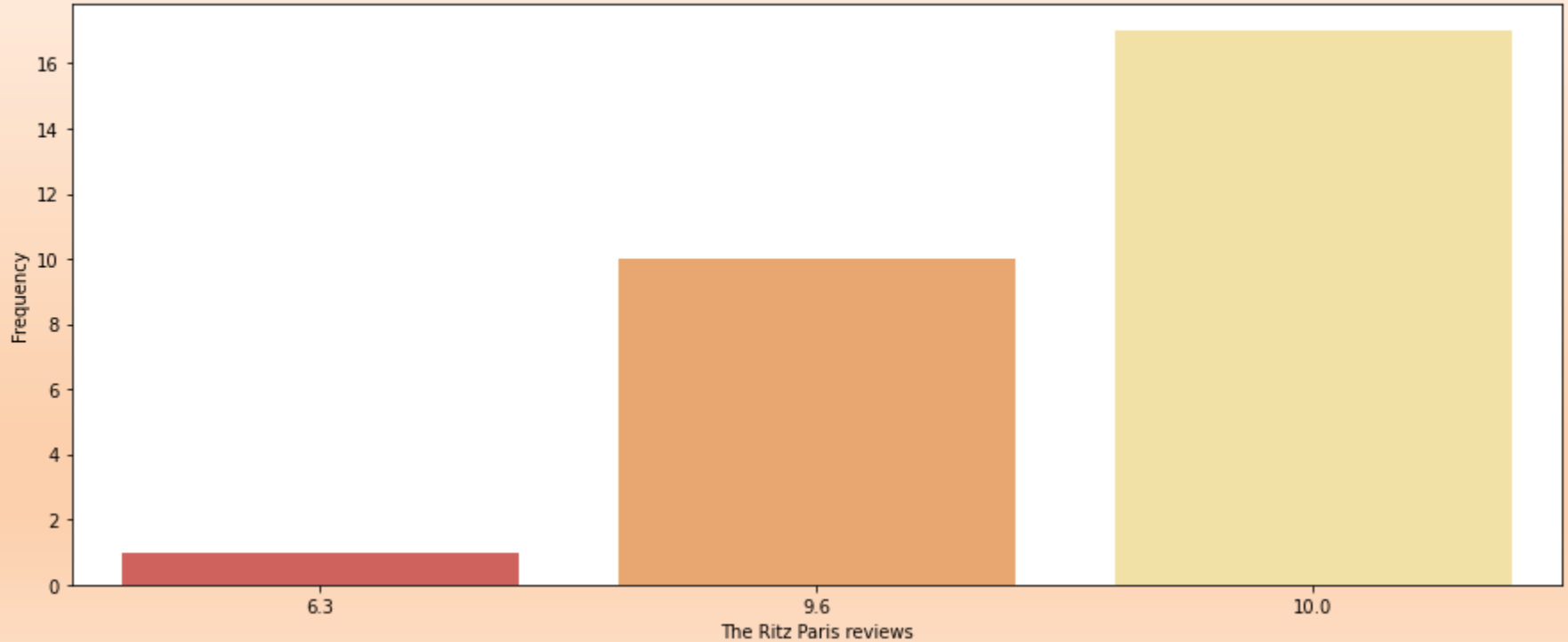


## the Average rating of all hotels

	Hotel_Name	Reviewer_Score
1202	Ritz Paris	9.725000
598	Hotel Casa Camper	9.718937
3	41	9.711650
472	H tel de La Tamise Esprit de France	9.688525
895	Le Narcisse Blanc Spa	9.671930
...	...	...
546	Holiday Inn Paris Montparnasse Pasteur	6.329730
1233	Savoy Hotel Amsterdam	6.009465
1455	Villa Eugenie	5.864516
852	Kube Hotel Ice Bar	5.852632
678	Hotel Liberty	5.121538

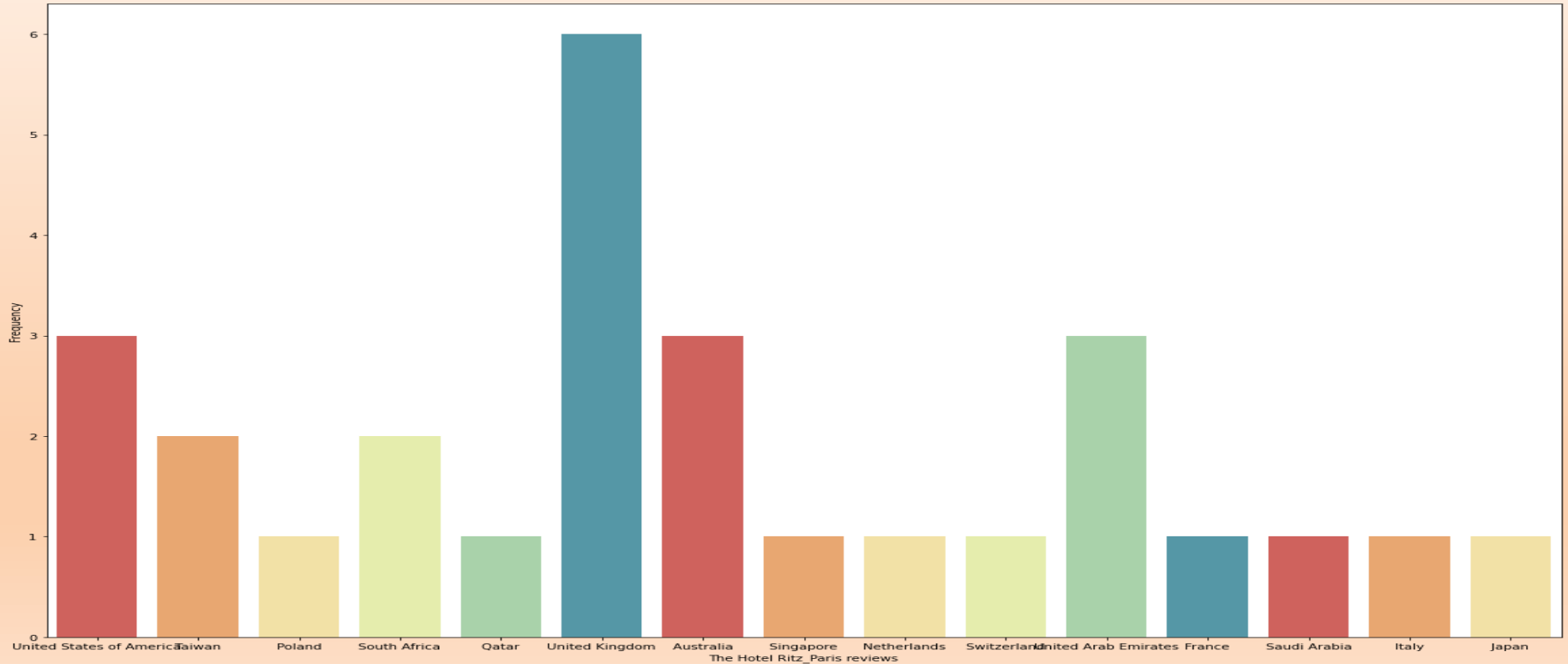
# Distribution of reviews to highly rated hotels

The Distribution of the reviews of Ritz Paris



# Distribution of reviews to highly rated hotels

The Distribution of the reviews of Hotel Ritz\_Paris

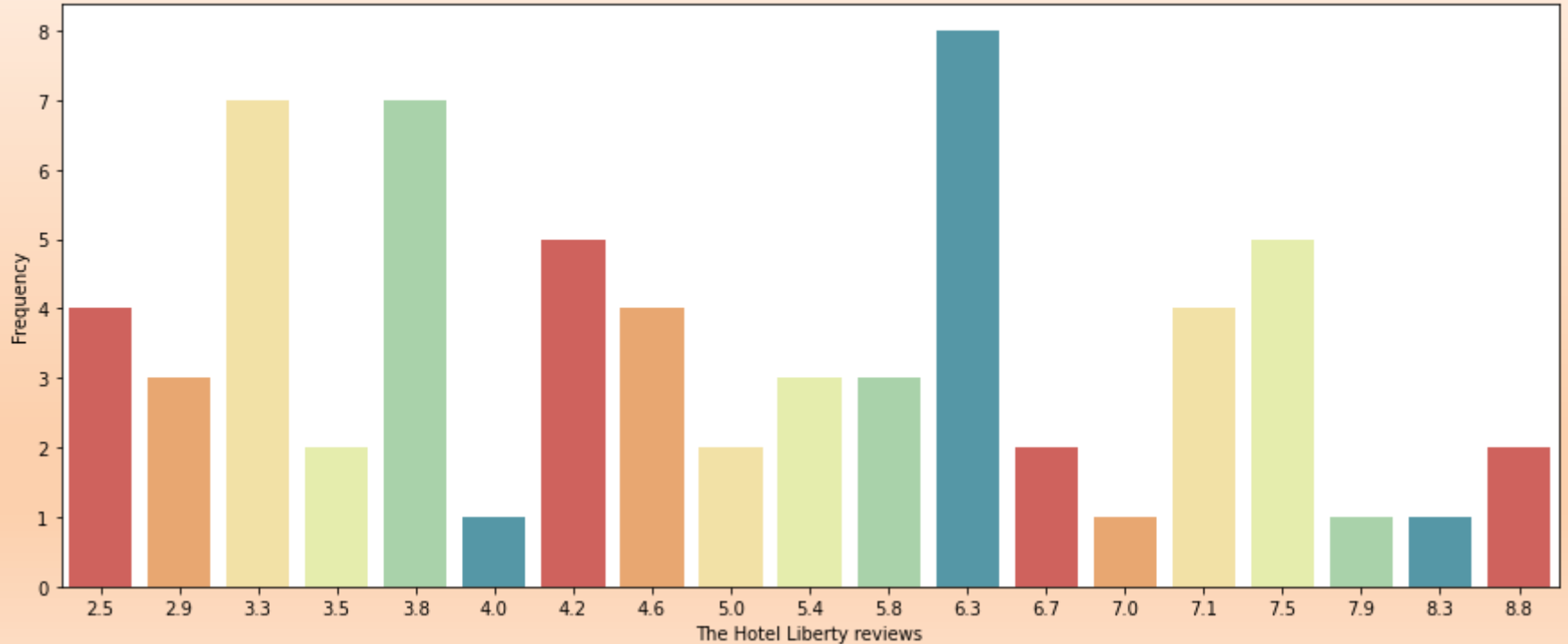


## Distribution of reviews to highly rated hotels



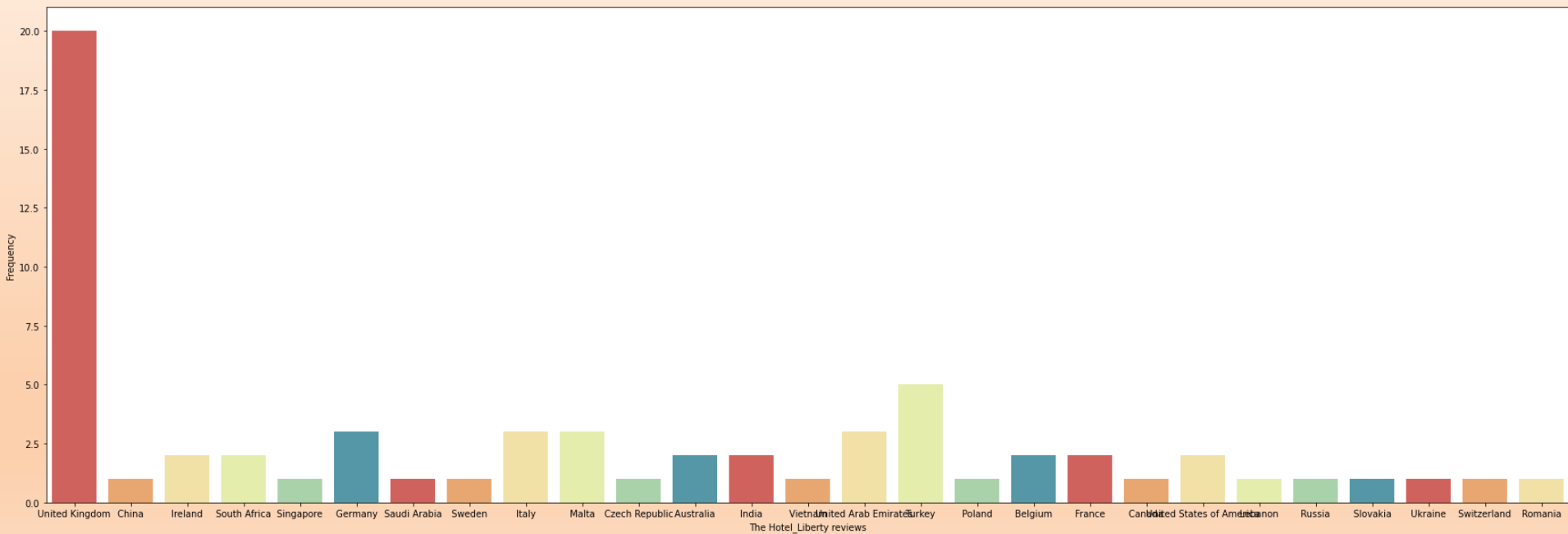
# Rating of the worst hotels

The Distribution of the reviews of Hotel Liberty



# Rating of the worst hotels

The Distribution of the reviews of Hotel\_Liberty







## Conclusion

After data cleaning and analysis (EDA), we recommend that you choose one of the hotels with high five ratings; for your security, comfort and excellent services.

