**Objective Questions**

1. **What is the total number of restaurants in India which are in the price range of 4?**

**Answer.** 388

1. **Create a table to represent the number of restaurants opened in each country.**

|  |  |
| --- | --- |
| **Country** | **Number of Restaurant** |
| India | 8652 |
| United States of America | 434 |
| United Kingdom | 80 |
| Brazil | 60 |
| South Africa | 60 |
| United Arab Emirates | 60 |
| New Zealand | 40 |
| Turkey | 34 |
| Australia | 24 |
| Philippines | 22 |
| Indonesia | 21 |
| Sri Lanka | 20 |
| Singapore | 20 |
| Qatar | 20 |
| Canada | 4 |

1. **Also, the management wants to look at the number of restaurants opened each year, so provide them with something here.**

|  |  |
| --- | --- |
| **Year** | **Number of Restaurant** |
| 2010 | 1080 |
| 2011 | 1098 |
| 2012 | 1022 |
| 2013 | 1061 |
| 2014 | 1051 |
| 2015 | 1024 |
| 2016 | 1027 |
| 2017 | 1086 |
| 2018 | 1102 |

1. **According to the data, what is the average number of voters for the restaurants in each country?**

|  |  |
| --- | --- |
| **Country** | **Average Voters** |
| Australia | 111 |
| Brazil | 20 |
| Canada | 103 |
| India | 137 |
| Indonesia | 772 |
| New Zealand | 243 |
| Philippines | 407 |
| Qatar | 164 |
| Singapore | 32 |
| South Africa | 315 |
| Sri Lanka | 146 |
| Turkey | 431 |
| United Arab Emirates | 494 |
| United Kingdom | 205 |
| United States of America | 428 |

**Subjective Question**

1. **Suggest a few countries where the team can open newer restaurants with lesser competition. Which visualization/technique will you use here in order to justify the suggestions?**

**Answer.** Based on lower average ratings and fewer restaurants , suggested countries for opening newer restaurants with potentially lesser competition are **Canada , Singapore , Sri Lanka** and **Australia**.

1. **Come up with the names of States and cities in the suggested countries suitable for opening restaurants.**

**Name the chart/spreadsheet function you will use for solving the problem.**

**Answer.** Suggested cities for opening restaurants in Australia, Canada , Singapore and Sri Lanka based on lower average ratings and fewer restaurants are:

**Australia: Mayfield , Montville** and **Paynesville**

**Canada: Consort**

**Singapore: Singapore**

**Sri Lanka: Colombo**

**3. According to the countries you suggested, what is the current quality in terms of ratings for restaurants that are open there?**

**Will you use any aggregation function or a visualization here to solve the problem?**

**Answer.** The current quality in terms of ratings for the suggested countries is not too good and determined by calculating the **average rating** across the selected country.

Additionally, I have visualized this data using a **bar chart**, allowing for a quick and effective comparison of the restaurant ratings across the suggested countries.

1. **Also, what is the current expenditure on food in the suggested countries, so that we can keep our financial expenditure in control?**

**Mention the functionality which you will use for giving the suggestions, will it be any aggregated function or a visualization?**

**Answer.** To assess the current expenditure on food in the suggested countries (Australia, Canada, Singapore and Sri Lanka), an aggregated function, such as the **sum**, is applied to the provided data on the cost for two individuals in restaurants. Subsequently, a **pie** **chart** is employed to visually represent the expenditure on food in each suggested country. This approach allows for a comprehensive understanding of the financial landscape, aiding in the implementation of effective financial control measures.

Australia: **₹31,790**

Canada: **₹8,990**

Singapore: **₹1,93,130**

Sri Lanka: **₹12,350**

1. **Come up with the names of restaurants from the recommended states that are our biggest competitors and also those that are rated in the lower brackets, i.e. 1-2 or 2-3.**

**Answer.**  In our analysis , we've not only spotlighted top-rated competitors but also considered establishments in the lower rating brackets (1-2 or 2-3). This holistic approach provides a comprehensive understanding of the competitive landscape in each recommended state:

**Australia:**

1. **Top Competitors Higher Ratings**

* Bridge Road Brewers
* 1918 Bistro & Grill
* Vivo Bar and Grill

1. **Competitors in Lower Rating Brackets**

* Star Buffet
* Pier 70
* Poets Cafe

**Canada:**

1. **Top Competitors Higher Ratings**

* Lake House Restaurant

1. **Competitors in Lower Rating Brackets**

* Consort Restaurant

**Sri Lanka:**

1. **Top Competitors Higher Ratings**

* Ministry of Crab
* Simply Strawberries By Jagro

1. **Competitors in Lower Rating Brackets**

* Queen's Cafe
* Elite Indian Restaurant

**Singapore:**

1. **Top Competitors Higher Ratings**

* Al'frank Cookies
* Fratini La Trattoria
* Cut By Wolfgang Puck

1. **Competitors in Lower Rating Brackets**

* Makansutra Gluttons Bay

This dual-tiered analysis equips us to not only understand top-tier competitors but also to explore potential opportunities within the lower rating brackets for strategic positioning and differentiation.

1. **Which cuisines should we focus on in the newer restaurants to get better feedback? Does the choice of cuisines affect the restaurant ratings?**

**Answer.** Based on the analysis of restaurant ratings in selected countries, I have pinpointed the following high-performing cuisines:

**Australia:**

* Pizza , Bar Food
* Mediterranean , Seafood
* Modern Australian , Australian

**Canada:**

* Italian, Mediterranean, Pizza

**Sri Lanka:**

* Seafood
* Juices, Desserts

**Singapore:**

* Bakery
* Italian

To boost feedback and ratings in newer restaurants, we recommend emphasizing these cuisines, ensuring a menu that aligns with customer preferences and local tastes. This strategic focus aims to elevate customer satisfaction and contribute to positive restaurant experiences.

1. **According to our current data, should we go for online delivery and table booking? Does that affect the customer’s ratings?**

**Answer.** Our thorough examination of customer ratings unveils a compelling narrative. Both online delivery and table booking services play pivotal roles in shaping customer satisfaction:

* **Online Delivery:**
* **Table Booking:**

Consistently, our data indicates that restaurants offering online delivery and table booking services receive higher average ratings. This correlation emphasizes the positive impact these services have on customer satisfaction. Embracing these customer-centric features could strategically enhance our restaurant's ratings and overall appeal in the market.

1. **Should the team keep the rate of cuisines higher? Will that affect the feedback? According to our data are the rates of cuisines and ratings, correlated?**

**Answer.** After analyzing the correlation between cuisine rates and restaurant ratings, which stands at **-0.04329123**, I found a negligible correlation. This suggests that there's no significant impact of cuisine rates on overall restaurant ratings. Therefore, adjusting cuisine rates may not necessarily lead to a considerable influence on customer feedback. It's advisable to focus on other factors, such as menu variety, service quality, and ambiance, to enhance the overall dining experience and feedback.

1. **What is the distribution of several restaurants of different price ranges in all the countries?**

**Answer.** The majority of restaurants fall into Price Range 1, with a total of 4,444 establishments.

Price Range 2 and Price Range 3 also have substantial representations, with 3,113 and 1,408 restaurants, respectively.

Price Range 4, the highest price category, has 586 establishments.