Data Analysis using SQL

# Assuming zomato is the table\_name here and all the columns are the same as the headers in the excel dataset.

* For a high-level overview of the hotels, the top 5 most voted hotels in the delivery category.

**SELECT name,votes, rating FROM zomato WHERE type = 'Delivery'**

**ORDER BY votes DESC LIMIT 5;**

* The rating of a hotel is a key identifier in determining a restaurant’s performance. Hence for a particular location called Banashankari, the top 5 highly rated hotels in the delivery category. You can do it for any location.

**SELECT name, rating , location , type FROM zomato WHERE location = 'Banashankari' AND type = 'Delivery'**

**ORDER BY rating DESC LIMIT 5;**

* Comparing the ratings of the cheapest and most expensive hotels in Indiranagar.

**with r1 as (select rating as rating1 from zomato where approx\_cost = all (select min(approx\_cost) from zomato) limit 1),**

**r2 as (select rating as rating2 from zomato where approx\_cost = all (select max(approx\_cost) from zomato))**

**select rating1, rating2 from r1, r2;**

* Online ordering of food has exponentially increased over time. Comparing the total votes of restaurants that provide online ordering services and those who don’t provide online ordering service.

SELECT sum(votes), online\_order from zomato

GROUP BY online\_order;

* Number of votes defines how much the customers are involved with the service provided by the restaurants. For each Restaurant type, finding out the number of restaurants, total votes, and average rating. Display the data with the highest votes on the top.

**select type,**

**count(name) as number\_of\_restaurants,**

**sum(votes) as total\_votes,**

**avg(rating) as avg\_rating**

**from zomato**

**group by type**

**having type<>'delivery'**

**order by sum(votes) DESC;**

* What is the most liked dish of the most-voted restaurant on Zomato(as the restaurant has a tie-up with Zomato, the restaurant compulsorily provides online ordering and delivery facilities.

**select name, dish\_liked , rating , votes from zomato**

**order by votes DESC limit 1;**

* To increase the maximum profit, Zomato is in need to expand its business. For doing so Zomato wants the list of the top 15 restaurants which have min 150 votes, have a rating greater than 3, and is currently not providing online ordering. Displaying the restaurants with highest votes on the top.

**select name,rating, votes, online\_order from zomato where votes >= 150**

**AND rating > 3**

**AND online\_order = 'NO'**

**ORDER BY votes DESC LIMIT 15;**