

DOCUMENTATION REPORT ON HOTEL_TIPS_DATA

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To Project Mentor: *N. MUVENDIRAN SIR.*

DATA SET DESCRIPTION:

The dataset has 1,000 entries across 8 columns, and there are no null values to clean. The columns include:

1. Hotel_Name: Name of the hotel.
2. Visits: Number of visits by customers.
3. Tips: Amount of tips given.
4. Tip_Giver: Gender of the tip giver (Male/Female).
5. Room_Type: Type of room stayed in (Deluxe, Family, etc.).
6. Stay_Duration: Duration of stay in days.
7. Customer_Rating: Rating given by the customer.
8. Time: Time when tips were given (e.g., Dinner).

VISUALISATION AND IN SIGHTS I HAD VIEWED ON DATA:

1. Load the uploaded CSV file to inspect the data
2. the first few rows and check for null values Display the first few rows and check for null values

```
import pandas as pd
```

```
file_path = ('/content/sample_data/Hotel_Tips_Data.csv')
```

```
data = pd.read_csv(file_path)
```

```
data.head()
```

```
print("\n\n")
```

```
print(data.info())
```

```
print("\n\n")
```

```
print(data.isnull().sum())
```

OUTPUT

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 1000 entries, 0 to 999

Data columns (total 8 columns):

#	Column	Non-Null Count	Dtype
0	Hotel_Name	1000 non-null	object
1	Visits	1000 non-null	int64
2	Tips	1000 non-null	int64
3	Tip_Giver	1000 non-null	object
4	Room_Type	1000 non-null	object
5	Stay_Duration	1000 non-null	int64
6	Customer_Rating	1000 non-null	float64
7	Time	1000 non-null	object

dtypes: float64(1), int64(3), object(4)

memory usage: 62.6+ KB

None

Hotel_Name 0

Visits 0

Tips 0

Tip_Giver 0

Room_Type 0

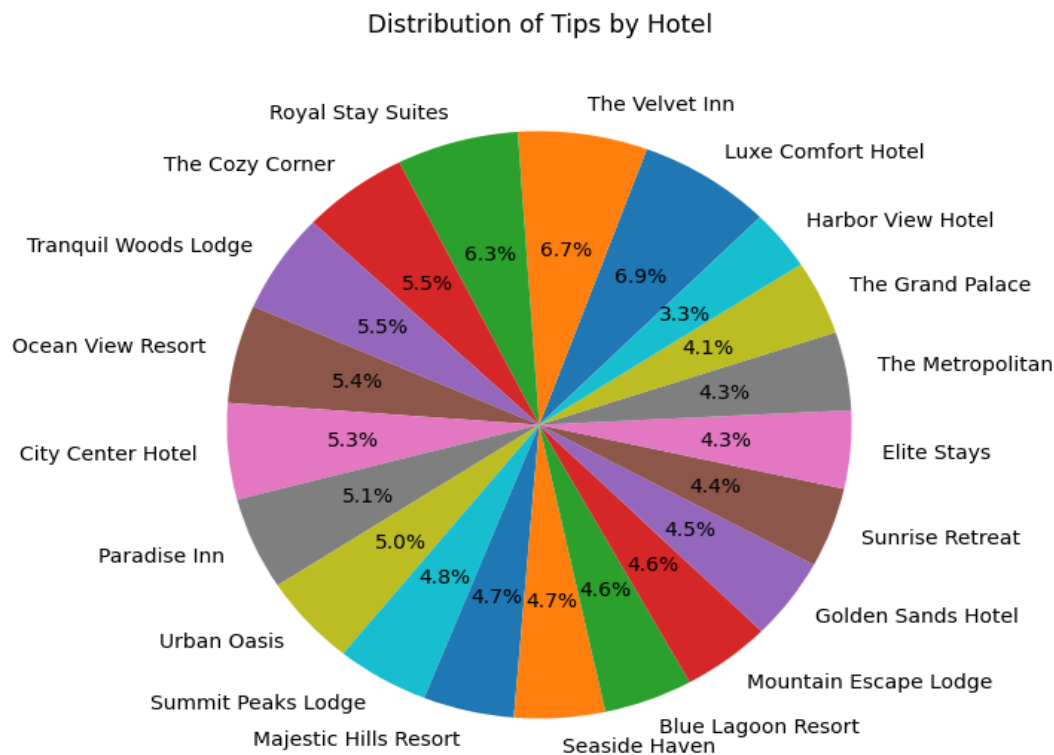
Stay_Duration 0

Customer_Rating 0

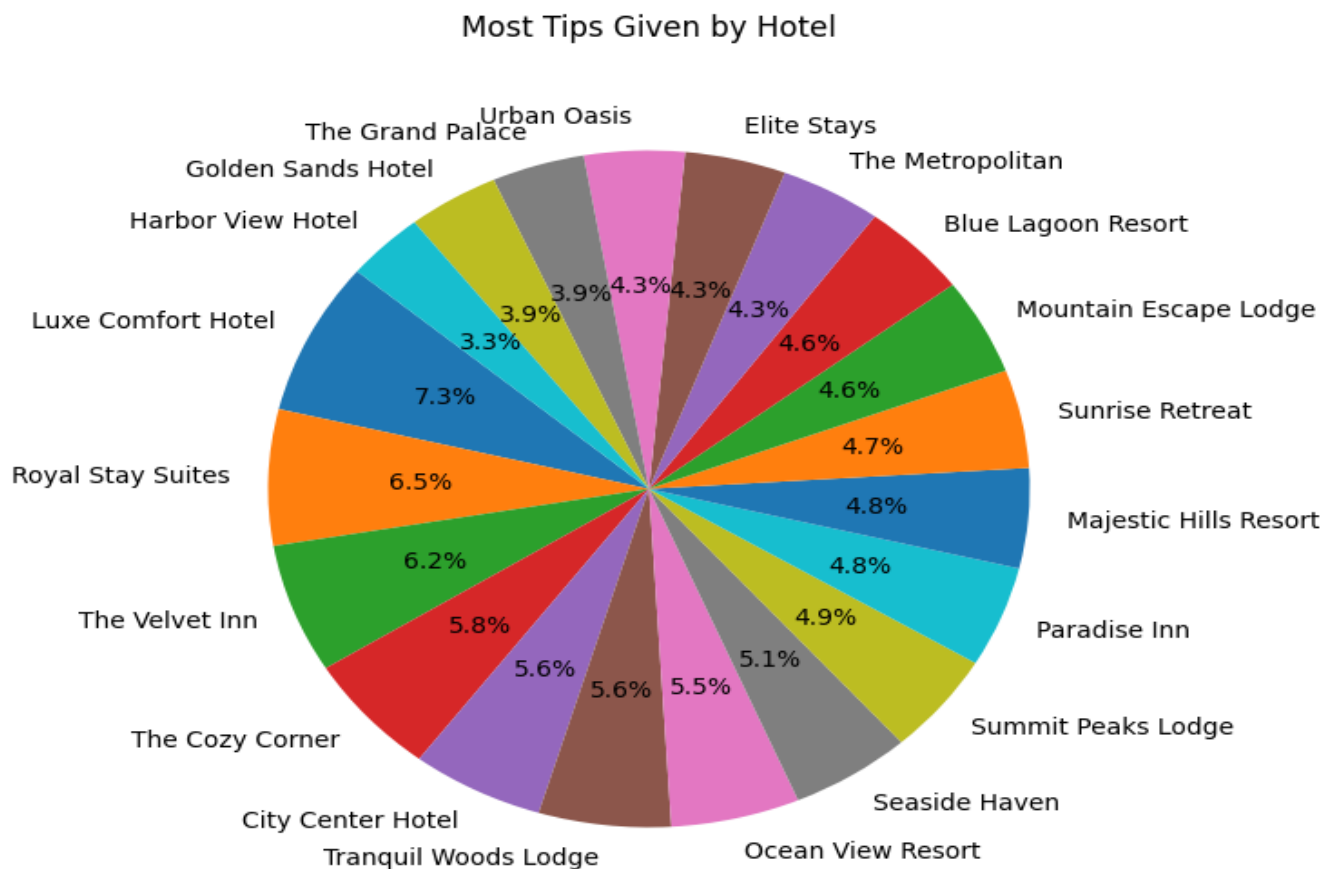
Time 0

dtype: int64

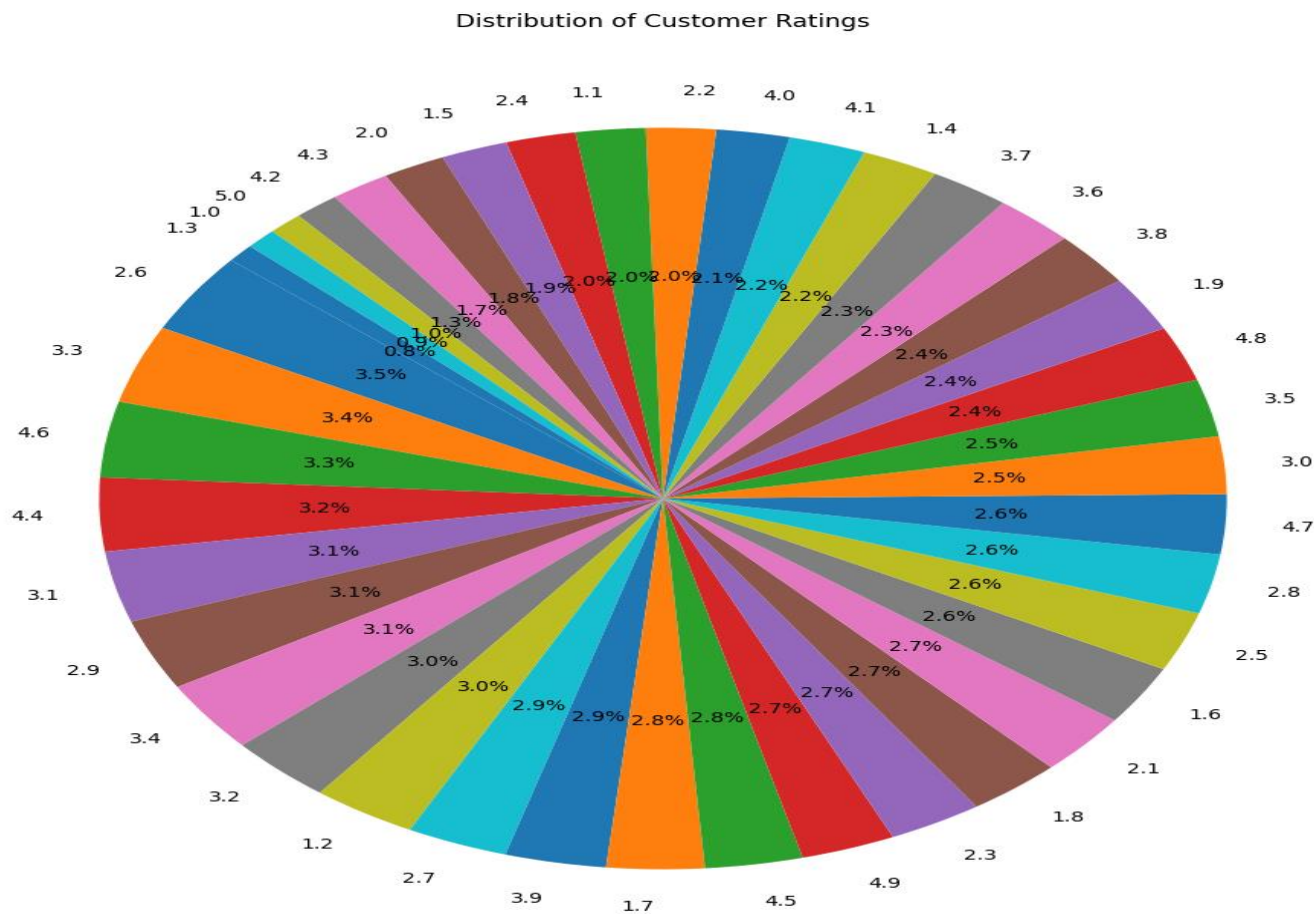
3. Distribution of Tips by Hotel



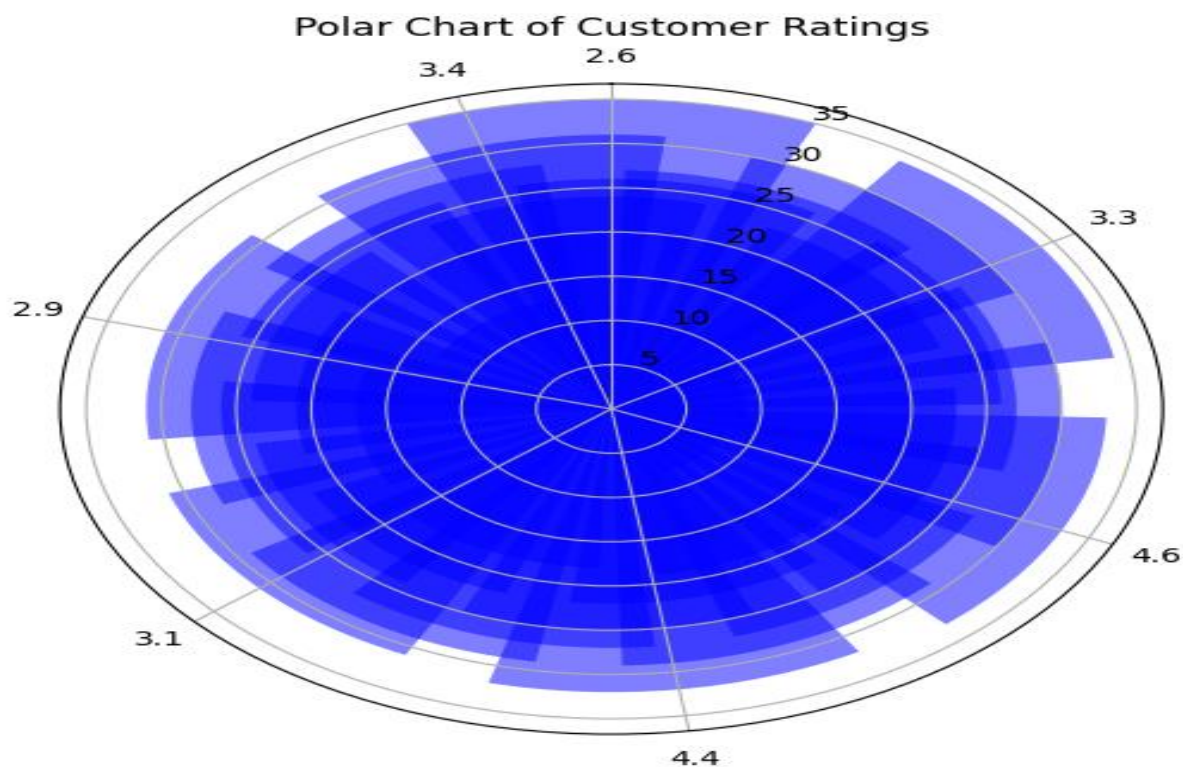
4. Most Tips Given by Hotel



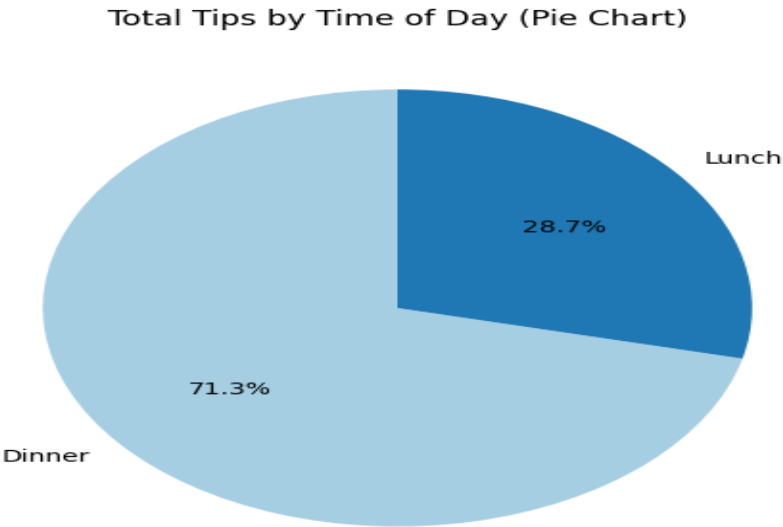
5. Distribution of Customer Ratings



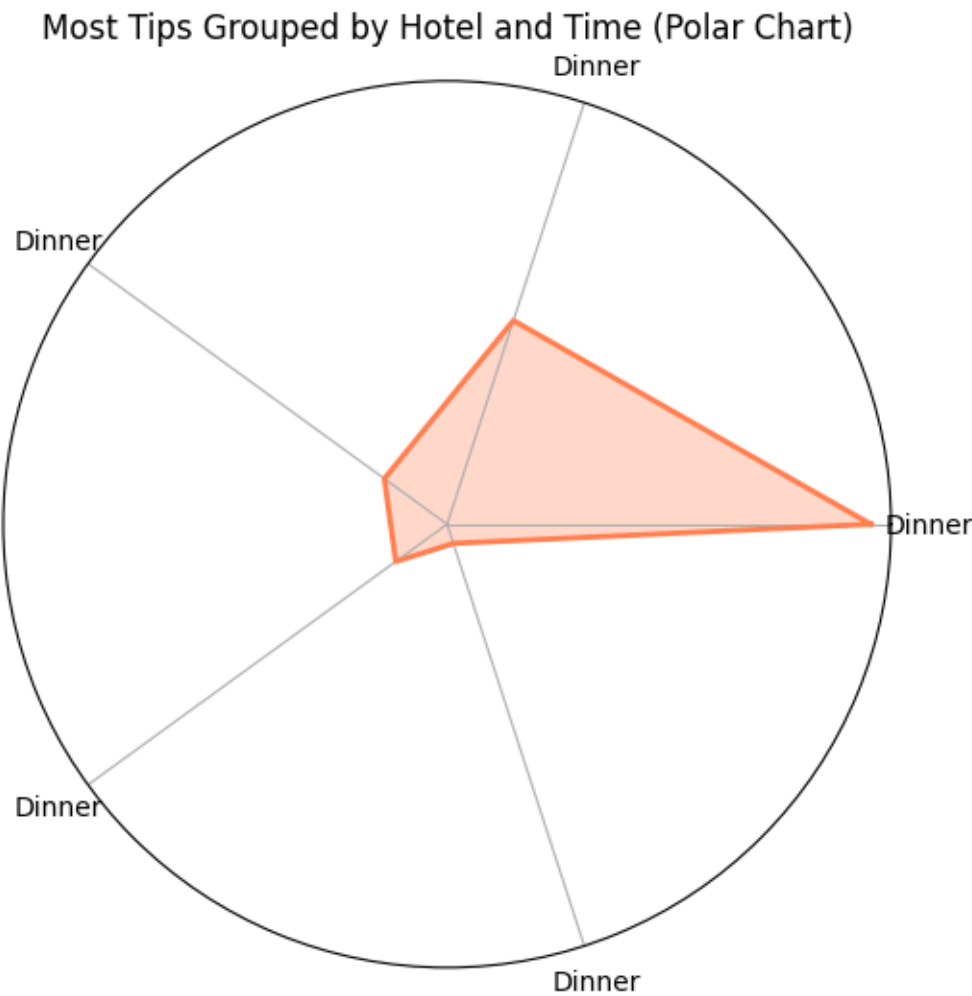
6. Polar Chart of Customer Ratings'



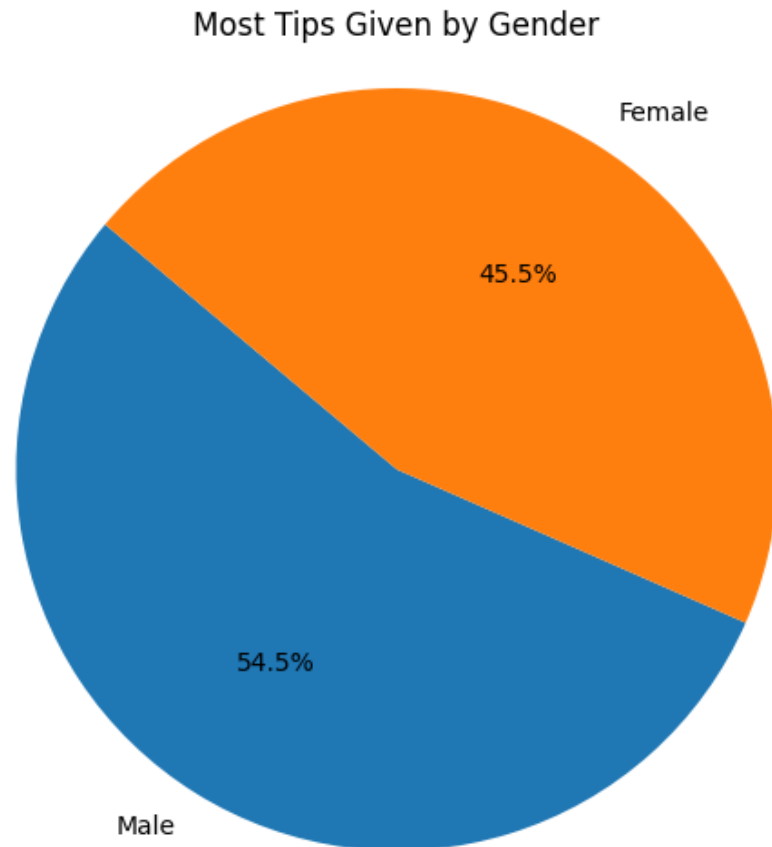
7. Total Tips by Time of Day



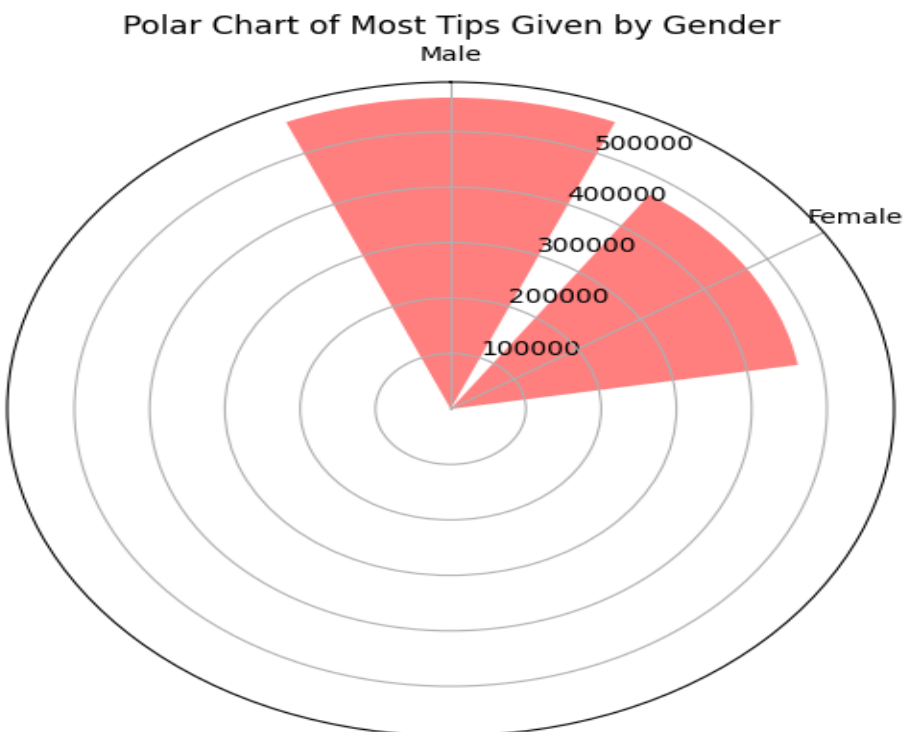
8. Most Tips Grouped by Hotel and Time



9. Most Tips Given by Gender



10. Polar Chart of Most Tips Given by Gender



CONCLUSION:

With my knowledge, I had done the above work from the data and I'm sure that I'll thoroughly work and learn new insights .

DATA-SET:

Created an own data set by exploring different datasets and extracted required data

COLLAB WORKSPACE LINK:

[Hotel_Tip_Data_Visualization](#)

THANK YOU SIR .