

Seaborn Visualization Assignment – Insights

Task 1: The dataset contains restaurant billing and tipping data which can help understand customer behavior and improve business decisions.

Task 2: The total bill distribution is right-skewed, showing most customers spend a moderate amount with fewer high spenders.

Task 3: Tip amounts are mostly small, indicating customers usually give moderate tips.

Task 4: There is a positive relationship between total bill and tip amount.

Task 5: Tipping behavior between genders is similar with slight variation.

Task 6: Smokers tend to have slightly higher bills, though differences are not large.

Task 7: Weekend days show higher average spending compared to weekdays.

Task 8: Dinner time shows higher average tips than lunch.

Task 9: Larger group sizes generally result in higher total bills.

Task 10: Gender-based differences in tipping are minimal for similar bill amounts.

Analytical Answers:

1. Total bill has the strongest influence on tip amount.
2. Large dinner groups on weekends are the most valuable customers.
3. Tipping patterns vary across days and time periods.