

# Tips Dataset Analysis

A simple summary of findings and visuals  
(so anyone can understand)

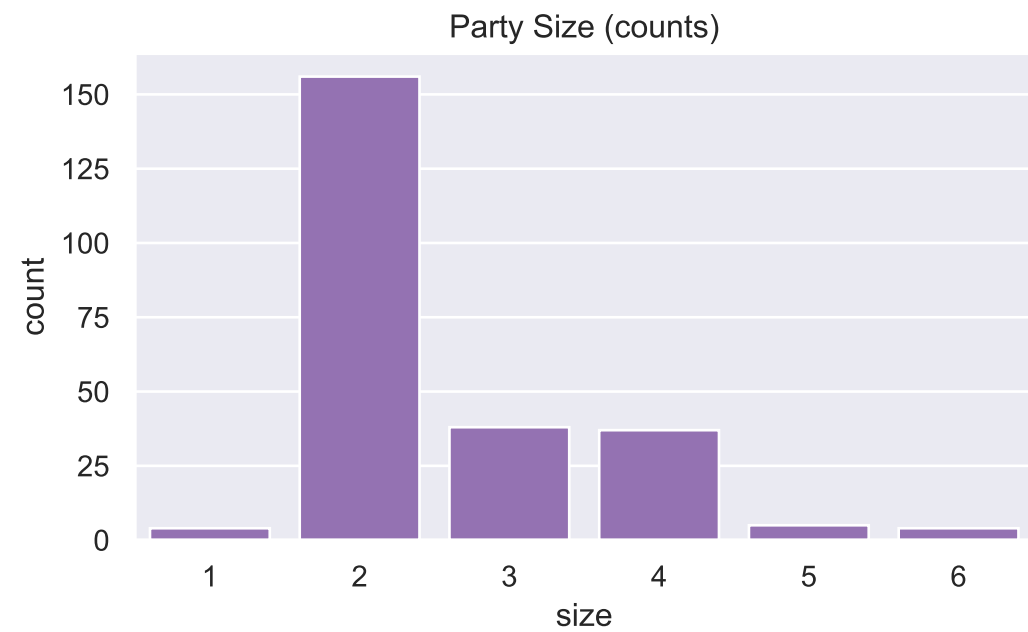
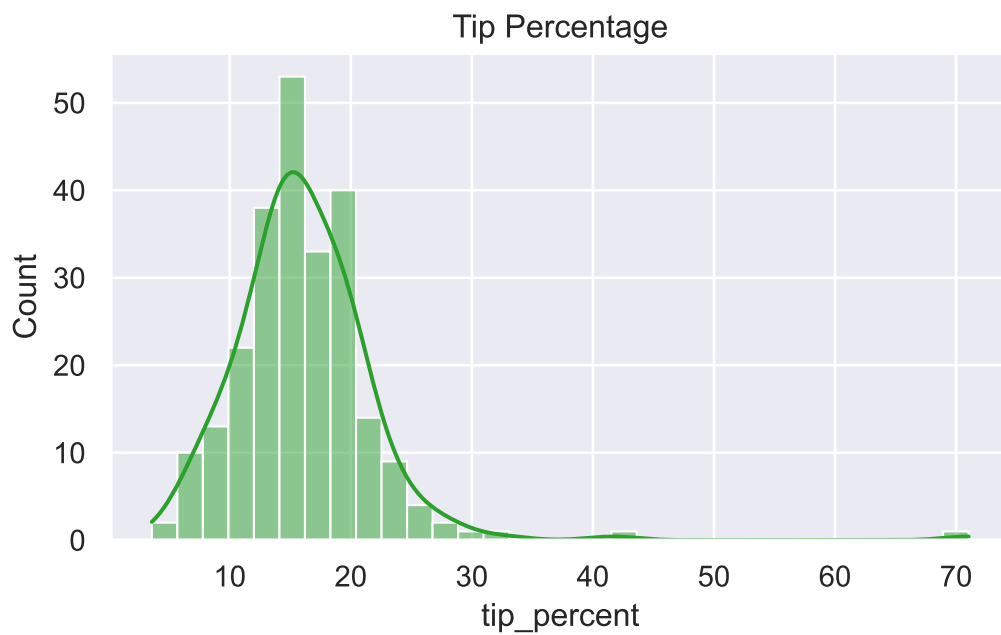
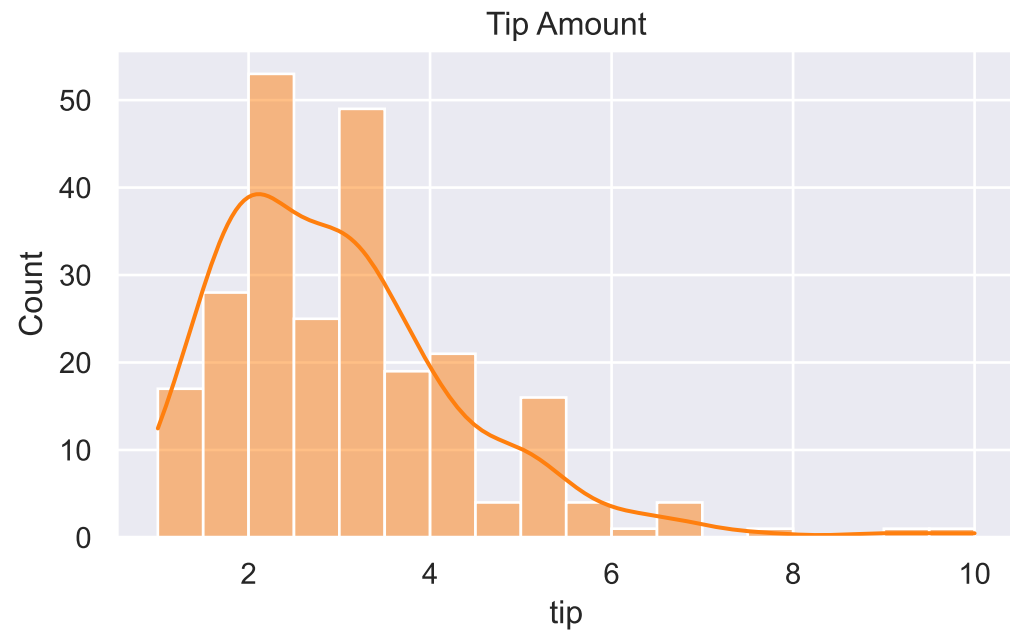
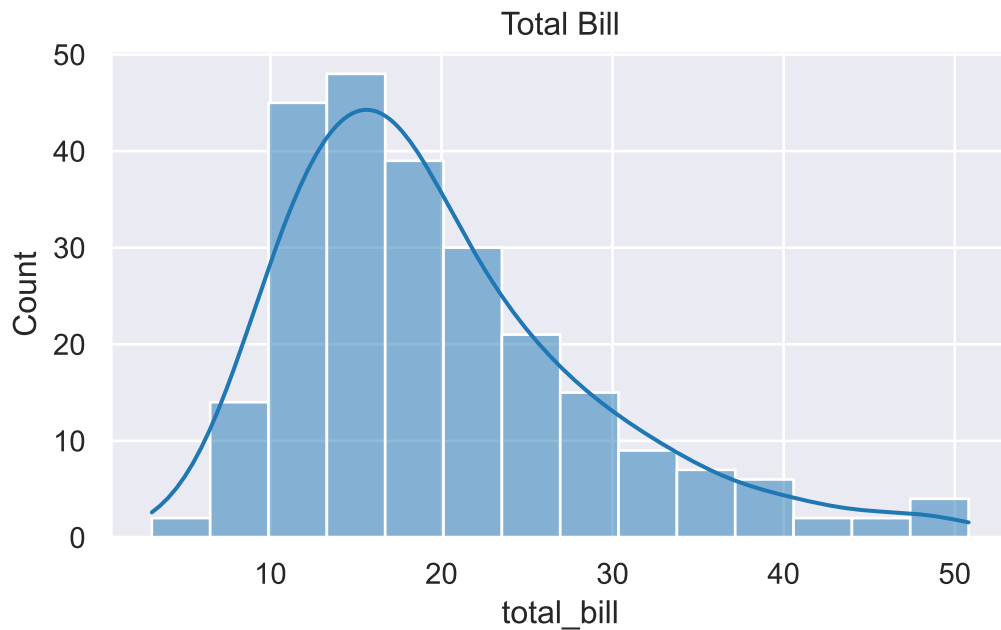
Dataset: Restaurant bills and tips (244 records)  
Author: Automated report

## Data Composition (Plain Language)

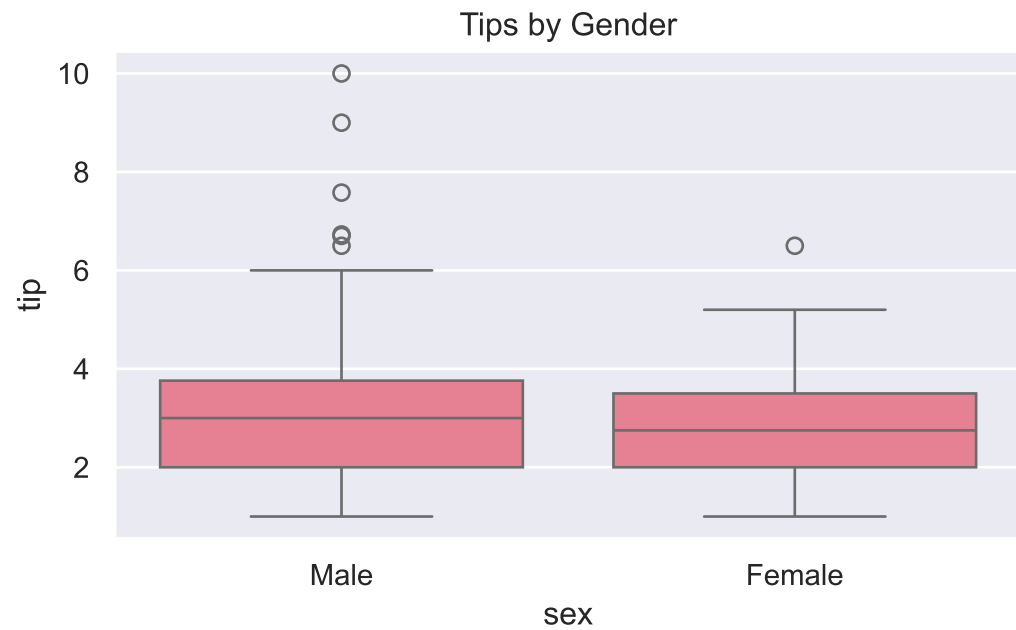
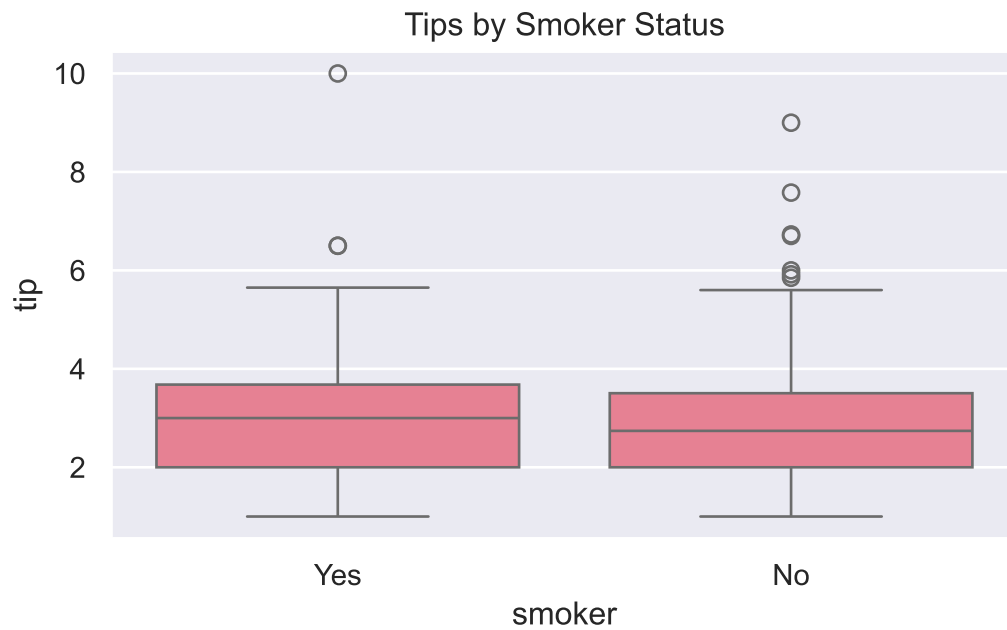
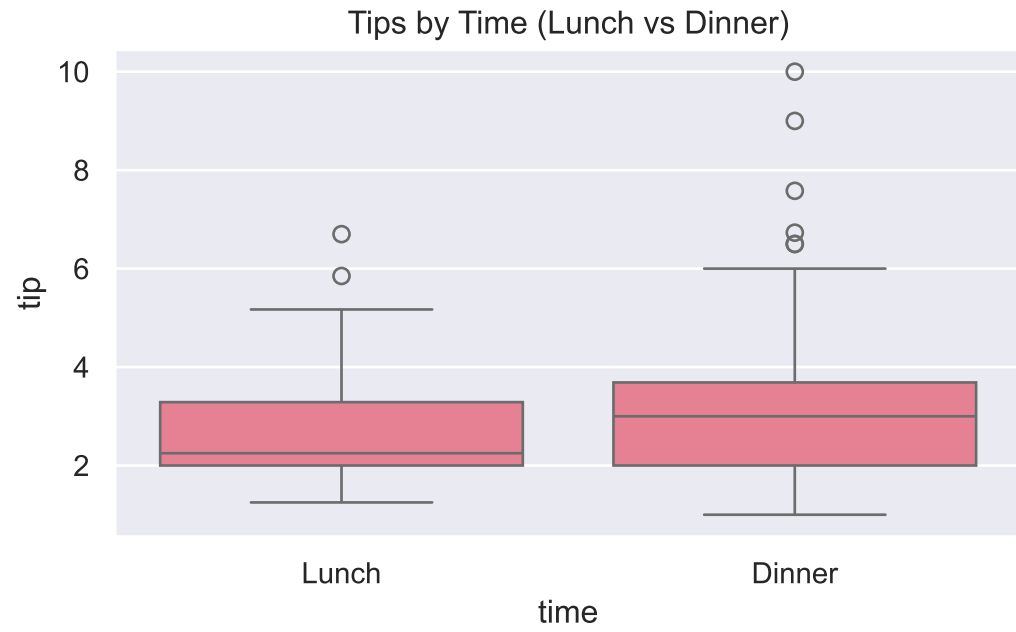
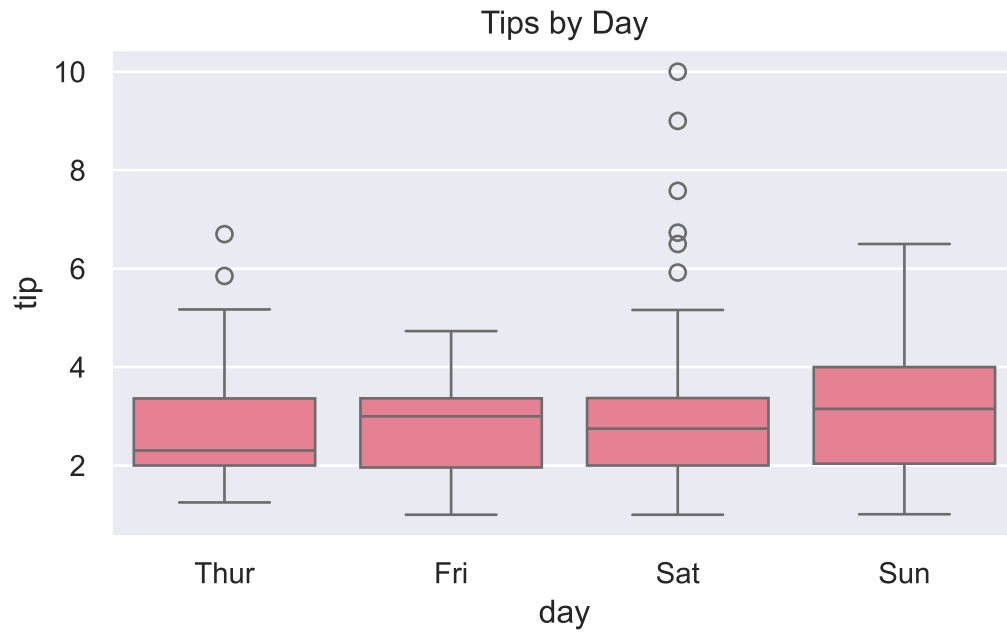
Short Summary (in simple words)

- The dataset has information about bills, tips, party size, day, time, gender, and smoking. - There are 244 records and no missing values. - Numeric items include total bill, tip, and party size. We also computed tip percentage. - Data is clean and ready for interpretation.

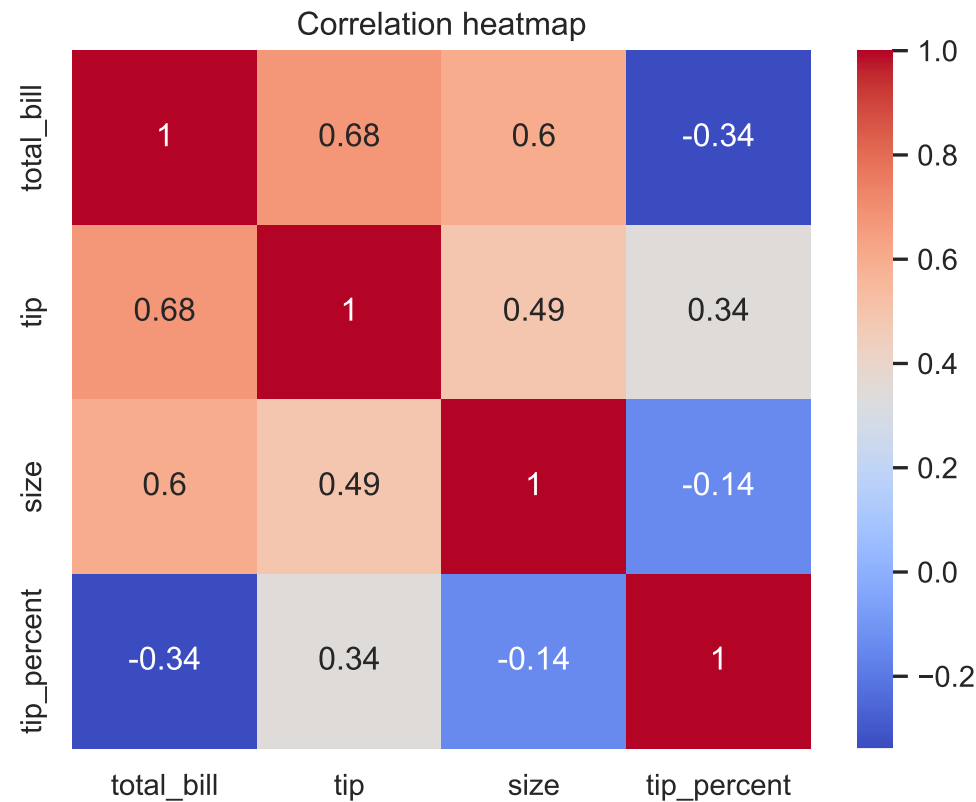
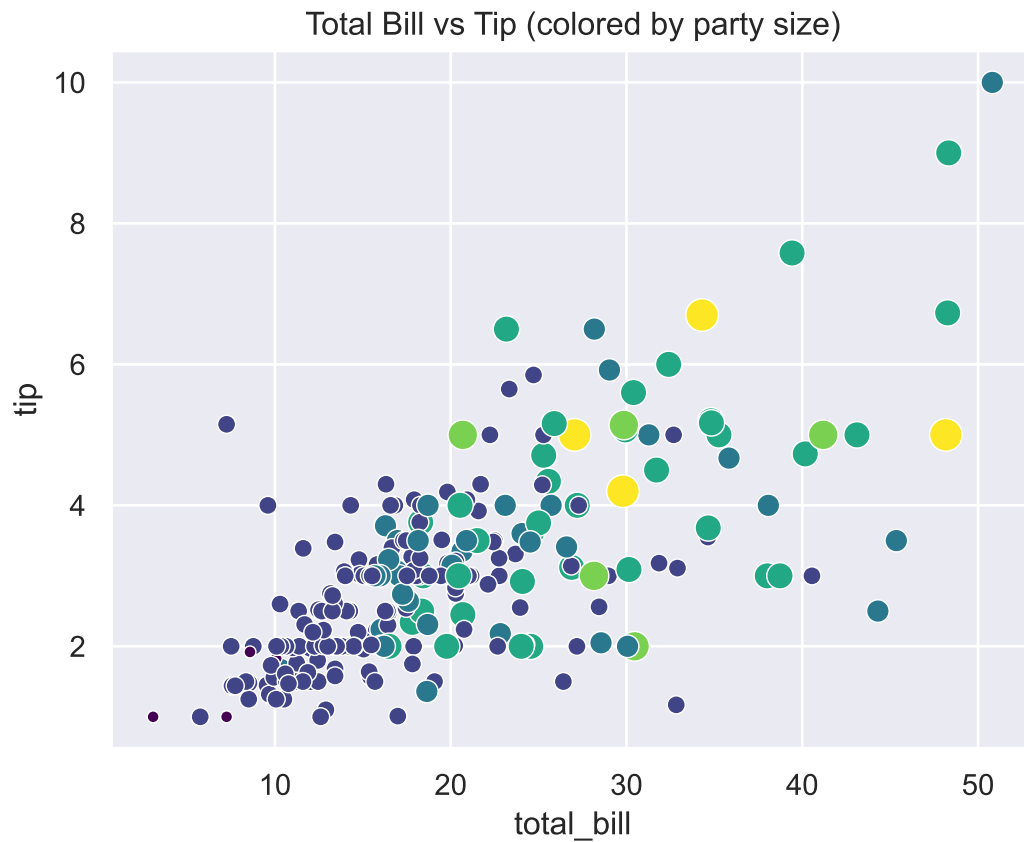
## Distributions (what values look like)



# Comparisons (tips across categories)



# Relationships between variables



## Conclusions & Recommendations (Plain Language)

### Key Findings (very simple)

- Bigger bills usually have bigger tips. This is expected.    - People tip about 15-16% on average.    - Dinner time generally results in higher tips than lunch.    - Weekends (Fri-Sun) tend to have slightly higher tips.    - Party size is related to bill and tip: larger groups have larger bills and tips.    - Gender and smoking status do not show strong differences in tipping.

Recommendations (short)    - Focus more staff at dinner and weekends.    - Keep an eye on service during busy times to maintain tip levels.    - Consider offers for larger groups during slower periods.