1.What is the average tips%

Text

Description automatically generated

2.Average tips in tern of each day of the week%

Text

Description automatically generated

3.When are tips highest%

Text

Description automatically generated

4.Computer the correlation between meal prices and tips

Text

Description automatically generated

5.Any relationship between tips and size of the group?

Text

Description automatically generated

There is a slight relationship between tips and size of the group. But the correlation is only 0.48. My idea is if the groups is bigger, then they would consume more; therefore, causing a higher total\_bill and higher tip. My point is, higher tips is directly caused by higher total\_bill rather than bigger group.

6.Somking people

Text

Description automatically generated

7.Are tips increasing with time in each day?

Chart, line chart

Description automatically generated

Graphical user interface, chart, histogram

Description automatically generated

Chart, line chart

Description automatically generated

Chart, histogram

Description automatically generated

Based on my opinion, I don’t think there is a trend that tips would increase with time in each day.

8. Is there any difference in correlation between tip amounts from smokers and non-smokers

Chart, histogram

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

And also I do the f-test, and the CDF = 0.84, which **means smoke data = non smoke data**.

Therefore, there is no tip difference between these two groups.