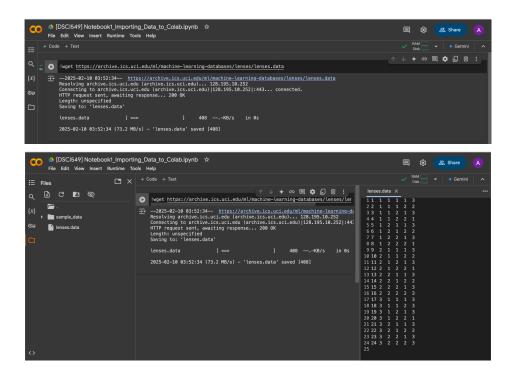
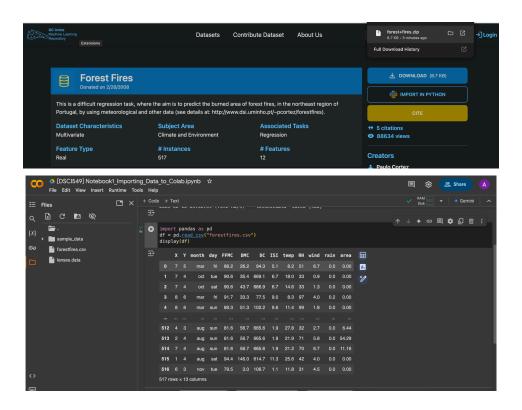
1. Notebook1_Importing_Data_to_Colab

a.

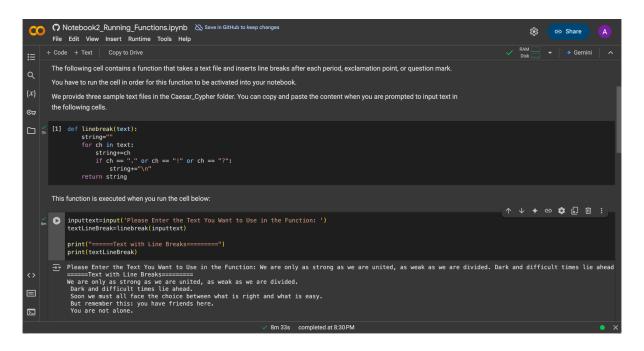


b.

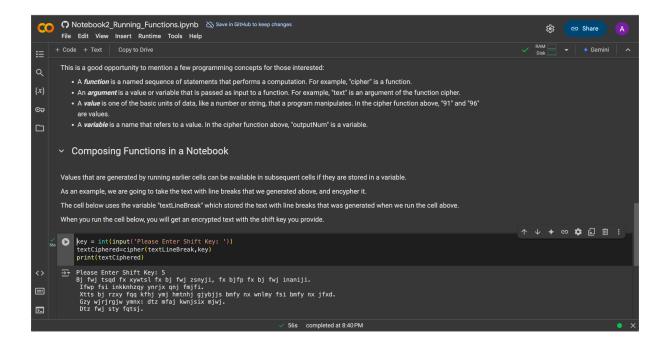


2. Notebook2_Running_Functions

a.



b.



3. Notebook3_Summarizing_Data

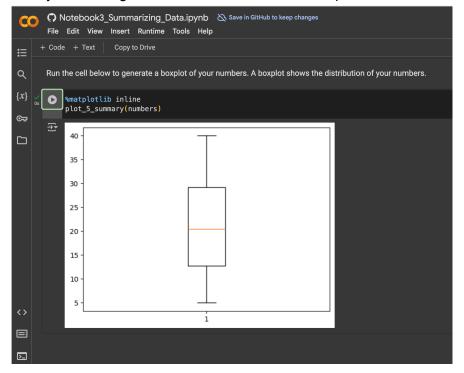
a + b. Q1 and Q3 represent the 25th and 75th percentile, respectively. This means that 25% of the data on the list is less than 12.75 and 75% of the data is less than 29.25.

```
Run the cell below. Input a list of numbers and seperate them with commas. After processing, the cell will output five summary statistics for your data: max, min, median, Q1 and Q3.

↑ 

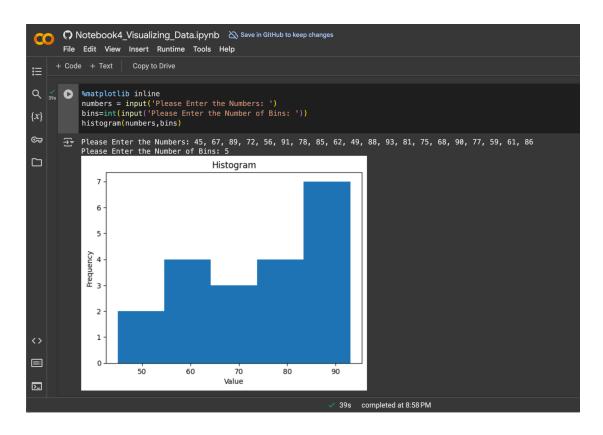
| humbers = input('Please Enter a List of Numbers Separated by Commas: ')
| humbers = input('Please Enter a List of Numbers Separated by Commas: ')
| humbers = input('Please Enter a List of Numbers Separated by Commas: ')
| print('Min:', Min)
| print('Qi:', Q1)
| print('Min:', Min)
| print('Qi:', Q3)
| print('Maxi', Max)
| Please Enter a List of Numbers Separated by Commas: 5, 12, 18, 24, 30, 7, 15, 20, 35, 40, 11, 19, 25, 28, 32, 6, 13, 21, 29, 38
| Min: 5.0
| Q1: 12.75
| Median: 20.5
| Q3: 29.25
| Max: 40.0
```

c. Boxplots visualize the five number summary statistics. The ends of the boxes (whiskers) represent the minimum and maximum values. The bottom and the top of the box represent Q1 and Q3, respectively. The orange line in the middle of the box represents the median.



4. Notebook4_Visualizing_Data

a.



b. After rerunning the cell with 3, 7, and 10 bins, 7 bins seems to be the most optimal because the bins are also small enough to group similar scores together, but not so small that the chart becomes hard to read.

