

Statistical Calculator

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AIM

- ◆ Create a Shiny Web App to calculate mean, median, mode and standard deviation from the file uploaded by the user. Visualize the parameters chosen by the user from the dropdown menu. Plot a normal plot, Scatter plot, Box plot and Histogram.

Shiny Web App

C:/Users/admin/Desktop/statistical_calc - Shiny
http://127.0.0.1:7592 | Open in Browser | Republish

Statistical Calculator

Choose a CSV file

Browse cars.csv Upload complete

☒ Header

Choose a column

Car

Data Summary Descriptive Statistics Visualizations Statistics

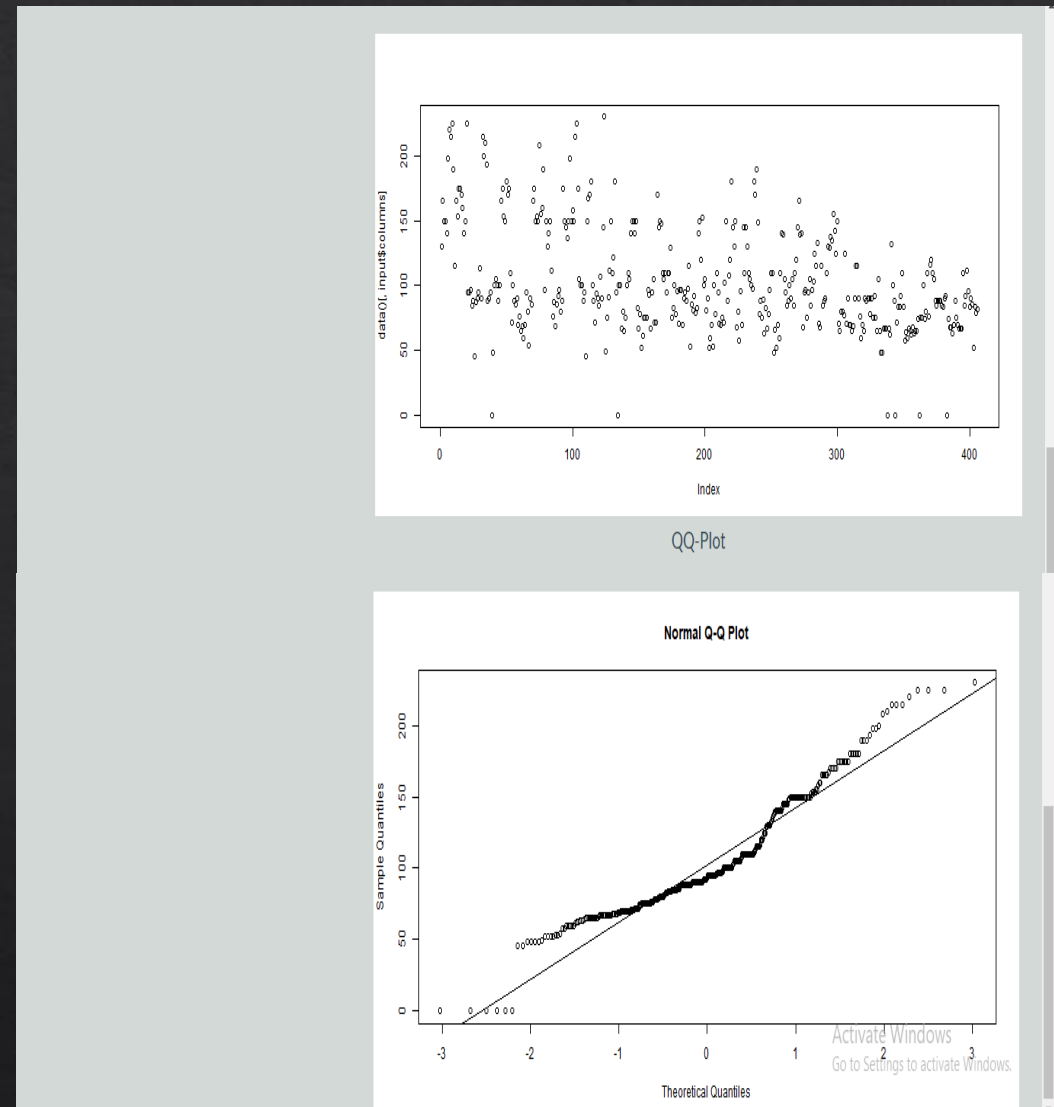
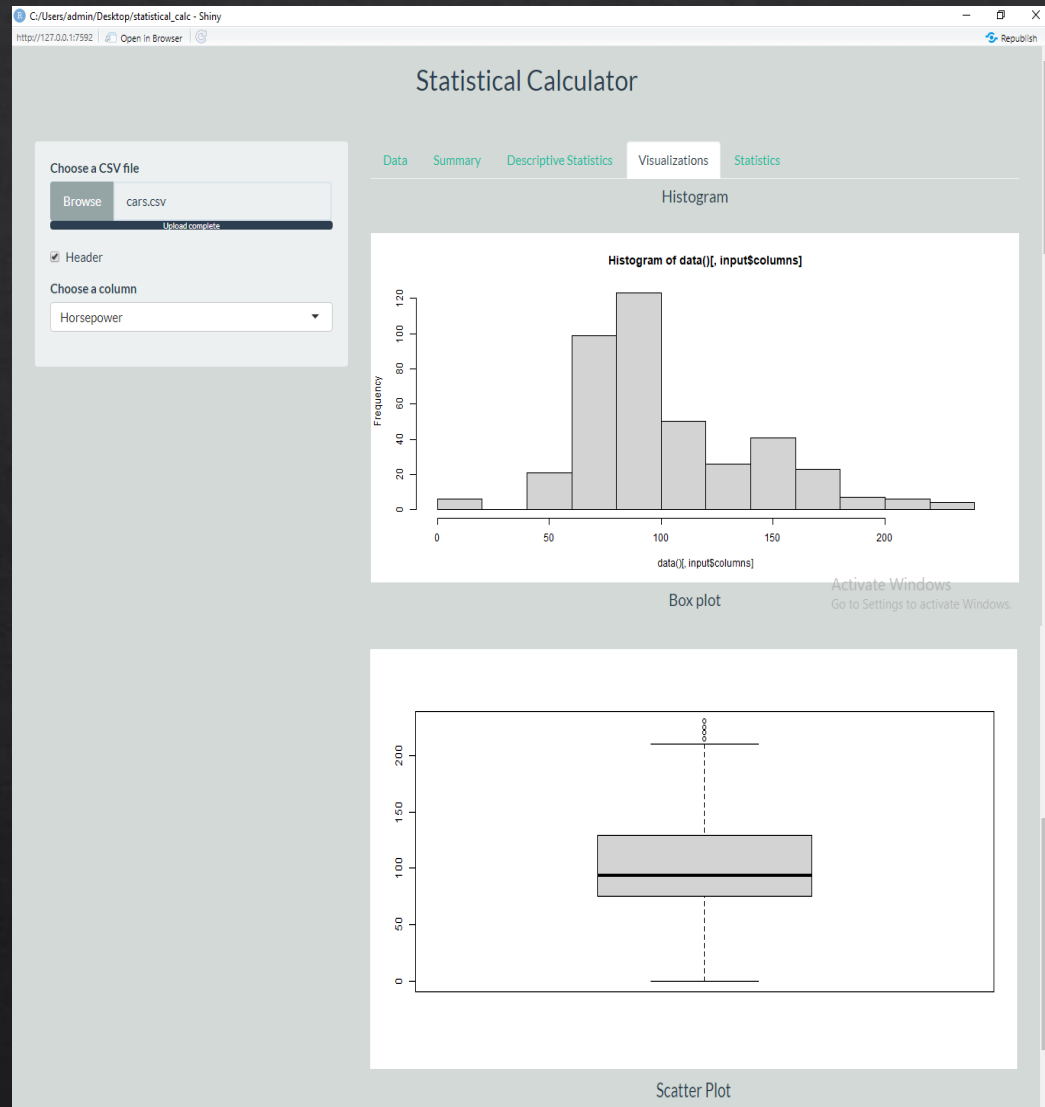
Data Table

Show 10 entries Search:

	Car	MPG	Cylinders	Displacement	Horsepower	Weight	Acceleration	Model
1	Chevrolet Chevelle Malibu	18	8	307	130	3504	12	70
2	Buick Skylark 320	15	8	350	165	3693	11.5	70
3	Plymouth Satellite	18	8	318	150	3436	11	70
4	AMC Rebel SST	16	8	304	150	3433	12	70
5	Ford Torino	17	8	302	140	3449	10.5	70
6	Ford Galaxie 500	15	8	429	198	4341	10	70
7	Chevrolet Impala	14	8	454	220	4354	9	70
8	Plymouth Fury iii	14	8	440	215	4312	8.5	70
9	Pontiac Catalina	14	8	455	225	4425	10	70
10	AMC Ambassador DPL	15	8	390	190	3850	8.5	70

Showing 1 to 10 of 406 entries

Previous 1 2 3 4 5 ... 41 Next



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cars.csv

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Horsepower

Data

Summary

Descriptive Statistics

Visualizations

Statistics

Mean

[1] 103.5296

Median

[1] 93.5

Mode

[1] 150

Standard deviation

[1] 40.52066

URL to visit the app

◇ https://dishwa.shinyapps.io/statistical_calc/

Conclusion

- ◆ We created an in-app calculator that displays mean, median, mode and standard deviation of the parameter selected by the user.
- ◆ The app also displays various plots to help understand the data of the user-uploaded file better.

THANK YOU!