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**Title:** Report on project Processing

The program shows the scatter plot among selected datasets. When the program runs for the first time it shows the scatter plot diagram of “mpg” vs “horsepower”.

Chart, scatter chart

Description automatically generated

Fig1: Scatter plot of “mpg” vs “horsepower”

The program provides different buttons to let user choose from different combination of scatter plots. The screenshots of all the scatter plot are shown below.

Chart, scatter chart

Description automatically generated

Fig2: Scatter plot of “mpg” vs “displacement”

Chart, scatter chart

Description automatically generated

Fig3: Scatter plot of “mpg” vs “weight”

A picture containing chart

Description automatically generated

Fig4: Scatter plot of “mpg” vs “cylinders”

Chart, scatter chart

Description automatically generated

Fig5: Scatter plot of “mpg” vs “acceleration”

Graphical user interface, text, application

Description automatically generated

Fig6: Scatter plot of “mpg” vs “origin”

A picture containing chart

Description automatically generated

Fig7: Scatter plot of “mpg” vs “model year”

The program also has a slider button that allows user to choose the display color as they want by sliding the button. The screenshot shows the display background color ‘109’ by sliding the slider button.

Chart, scatter chart

Description automatically generated

Fig8: Background color changed by slider

This program provides visualization of each of the seven attributes against the different car’s models. Selective values can be shown by clicking on any specific button. Sliders and buttons can be a way of interaction. Correlation is shown between variables with the help of scatter plots.