Lab # 8 Scatterplots

Scatterplots show value for two variables.

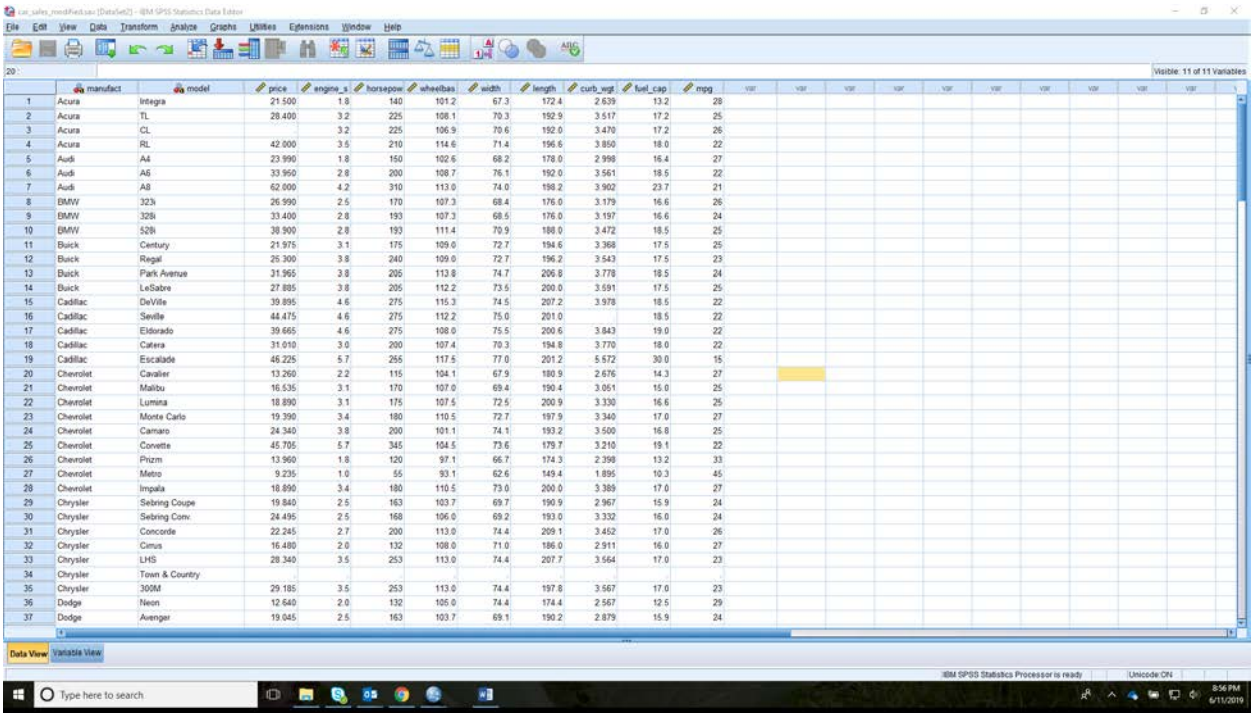
Using size or shade, a third variable can be shown.

This is a great way to visualize the relationship between two variables. If you drew a line through the "best fit" of the points, that is the regression line. This is a visual representation of linear regression.

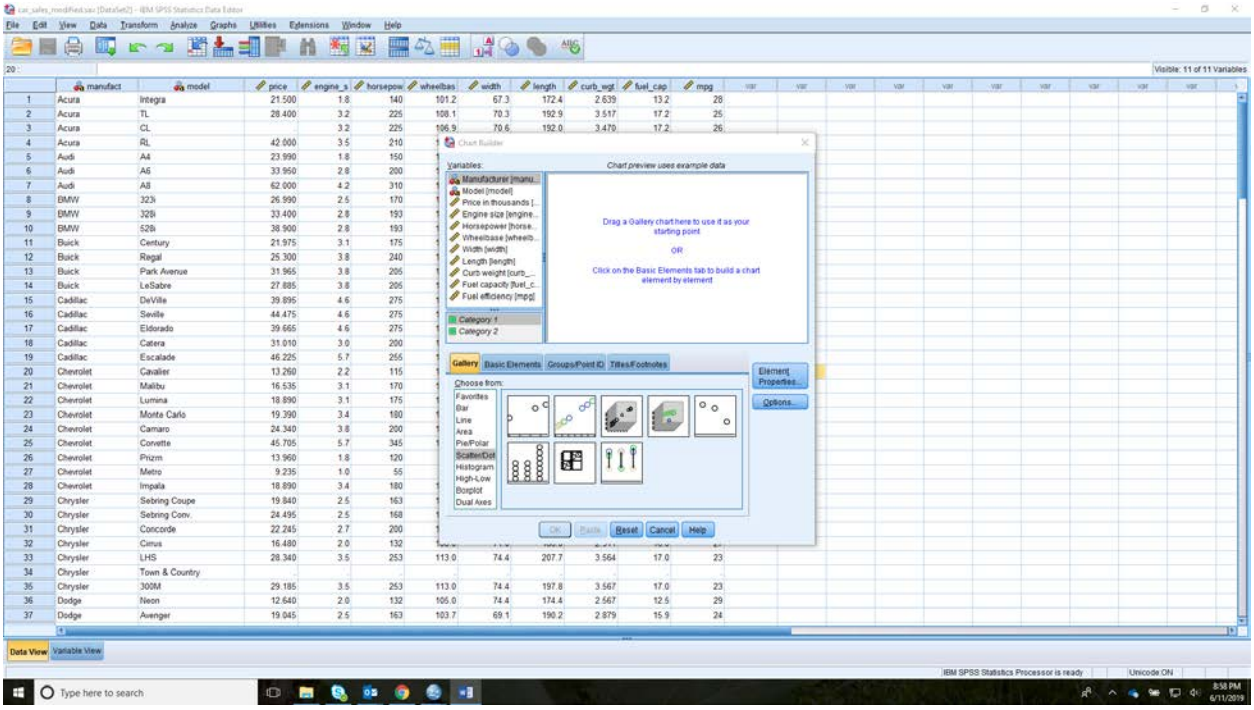
https://www.youtube.com/watch?v=g3DxlYfr1k8

Open the car_sales_modified.sav file, and review the data.

What variables do we have. What would be a good predictor of sale price?

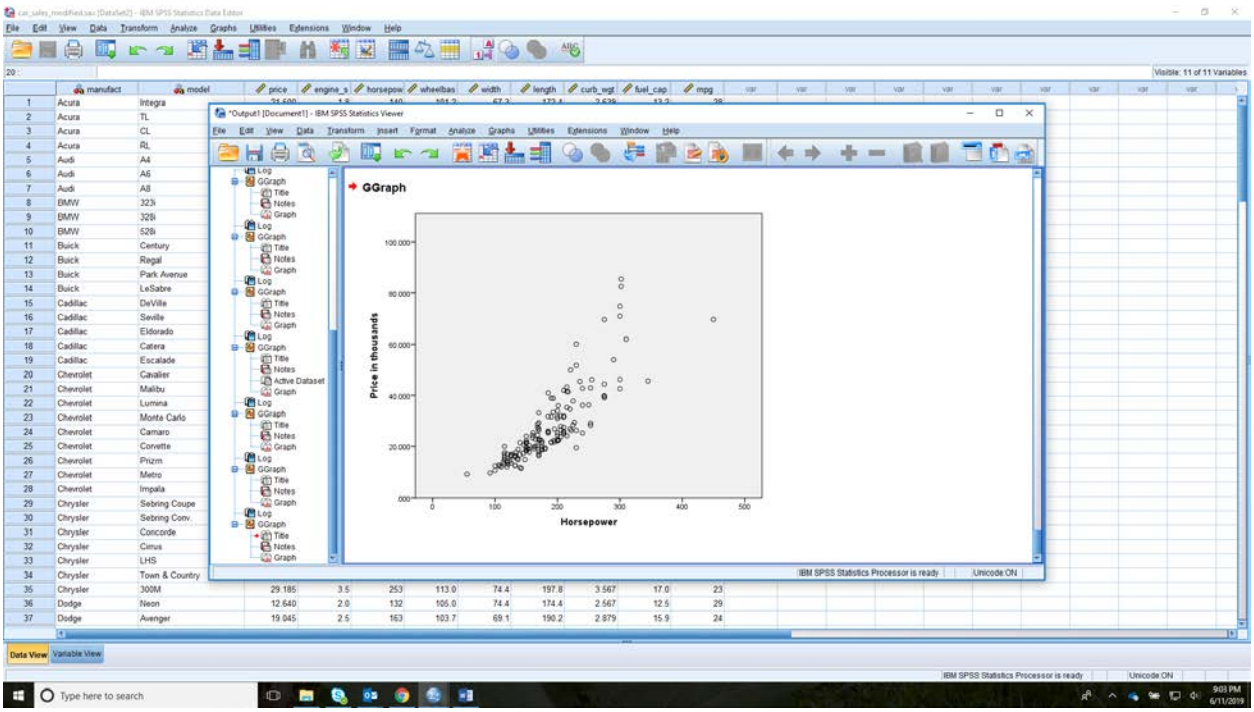


Click Graphs>Chart Builder

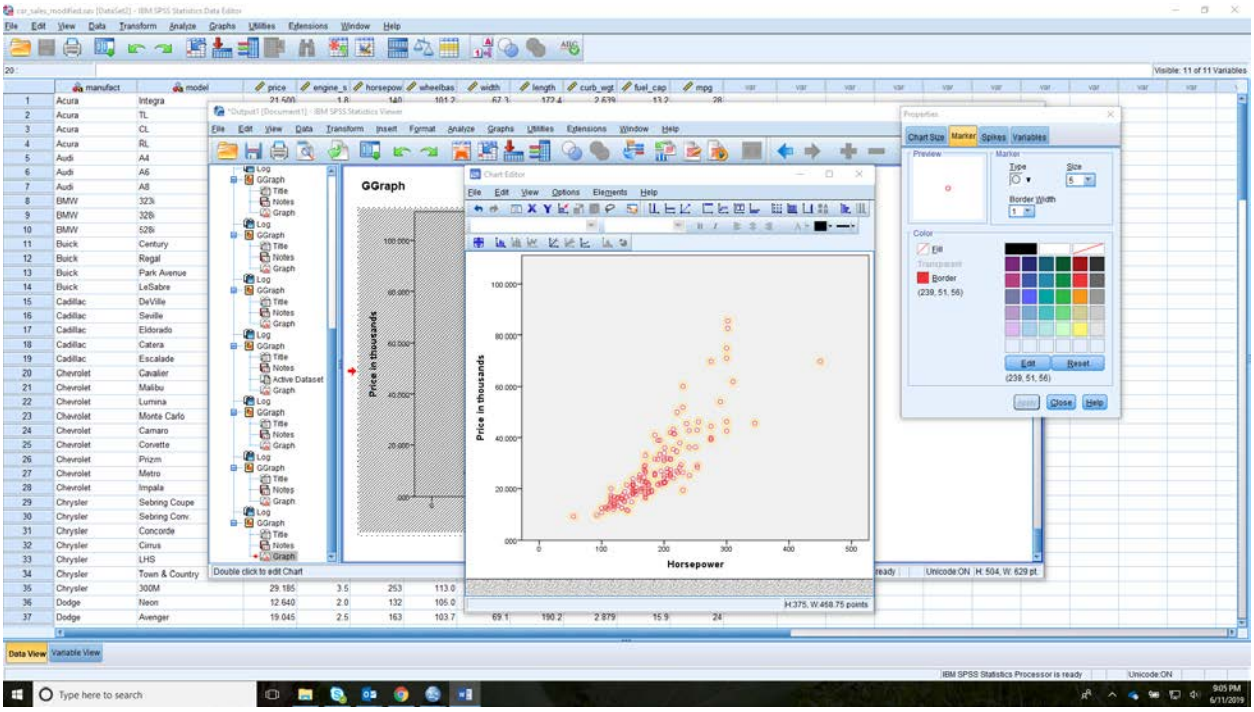


Click scatter/dot and drag the first (Simple Scatter) to the canvas. Price in thousands to the Y-Axis.

Experiment to see which would be the best predictor of price in thousands. Add horsepower.

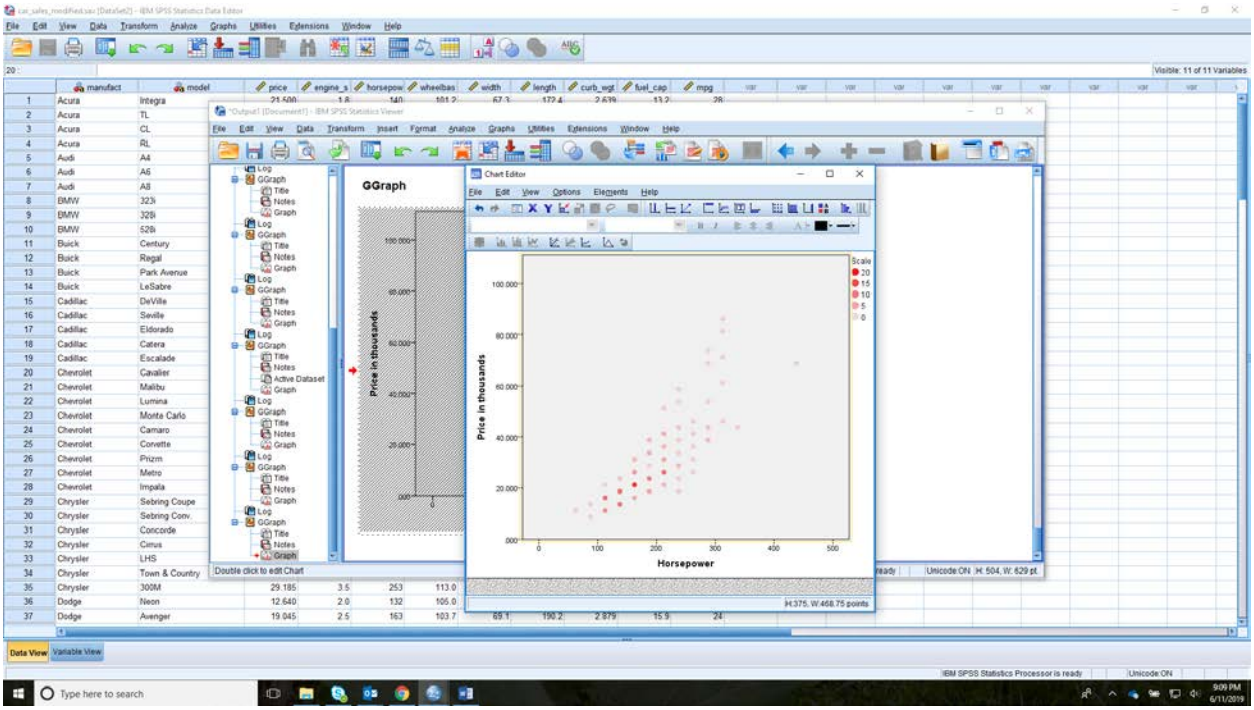


Double click to enter the “chart editor”. Double click the points to edit the properties. Red borders > apply.

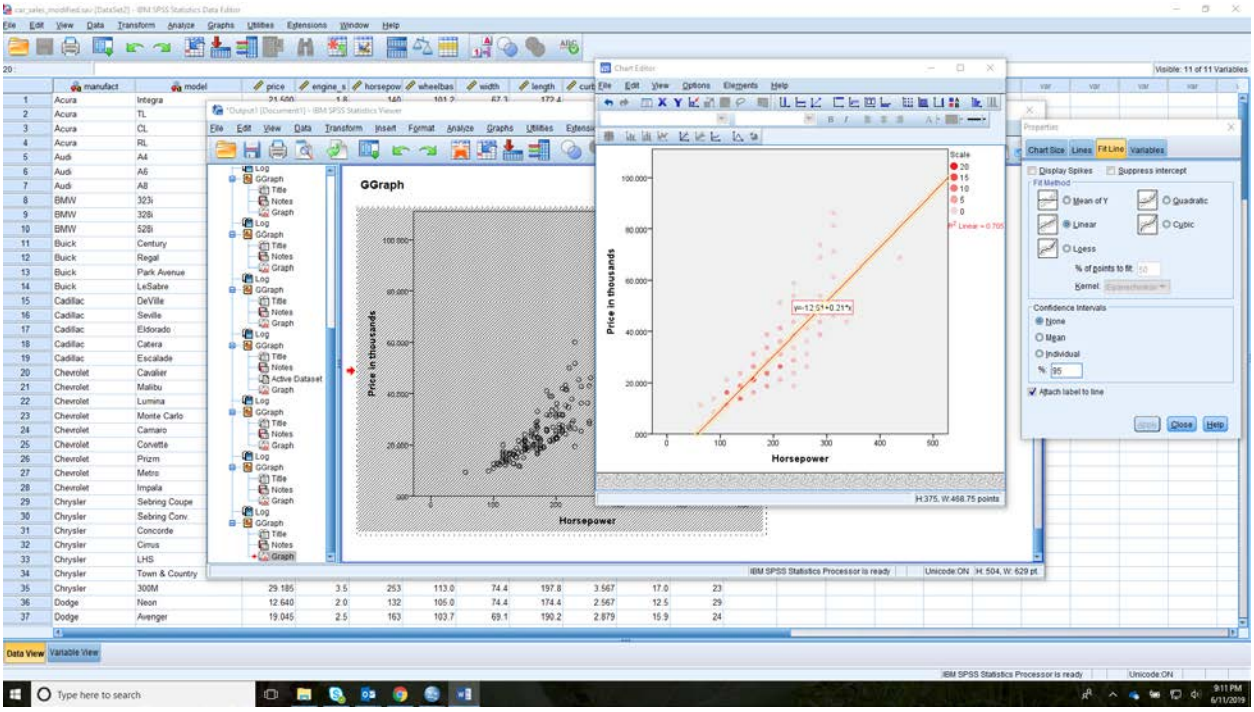


Then from the chart editor click Options>Bin Element. Click “color intensity” then “apply”.

This allows us to show another variable – the frequency of observations, shown by the intensity of colour.



In the “Chart Editor” click on “add fit line”.



From the output window, right click on the graph and export ONLY THE GRAPH as a PDF file.