

## Assignment 2 Task 3

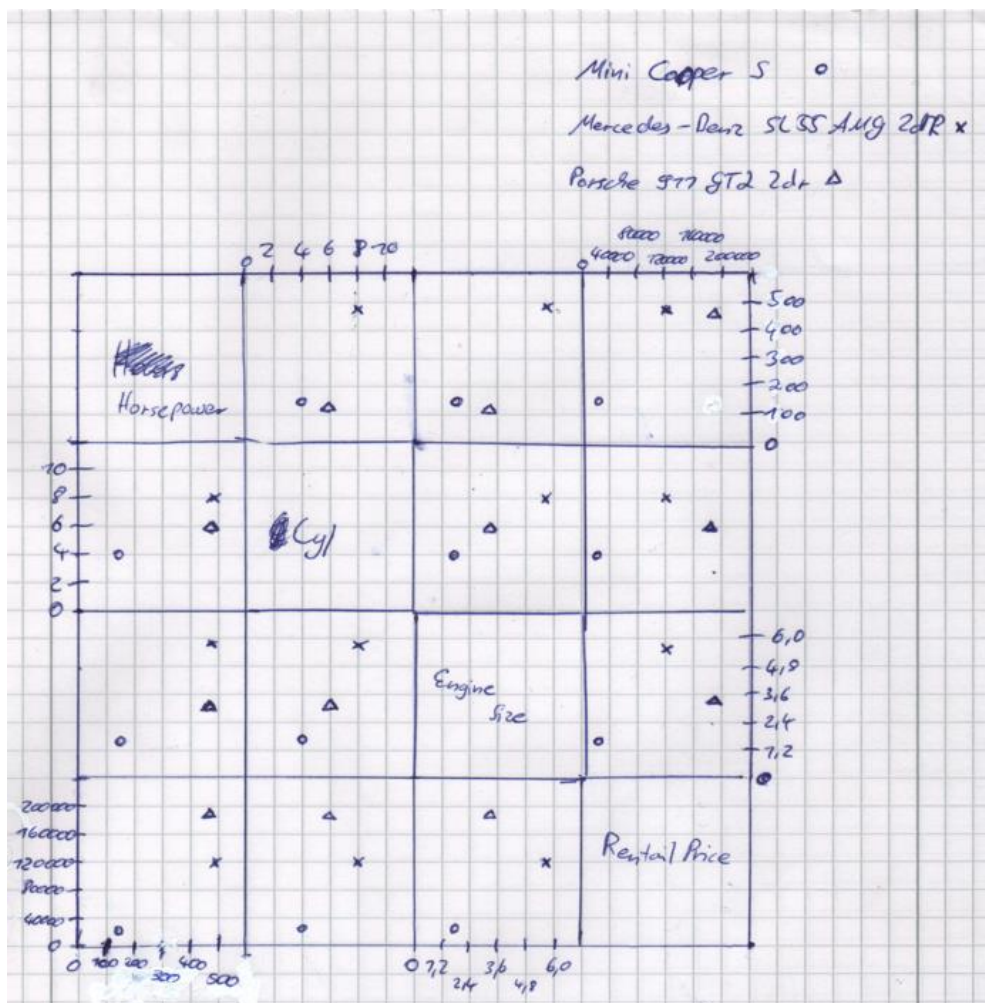
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Scatterplot matrices are a great way to roughly determine if you have a linear correlation between multiple variables. This is particularly helpful in pinpointing specific variables that might have similar correlations to your data.

The visualisation is projecting the n-dimensional graph on a 2D Matrix.

Problem (copied from the lecture)

- Every object appears three times
- Increased cognitive load
- Not much space for labels



You need  $(n^2-n)/2$  Scatterplots to visualize  $n$  attributes, for example  $n=4 \rightarrow (16-4)/2 = 6$ . It is one half of a Scatterplot matrix without the middle line.