

In-class Kritik File

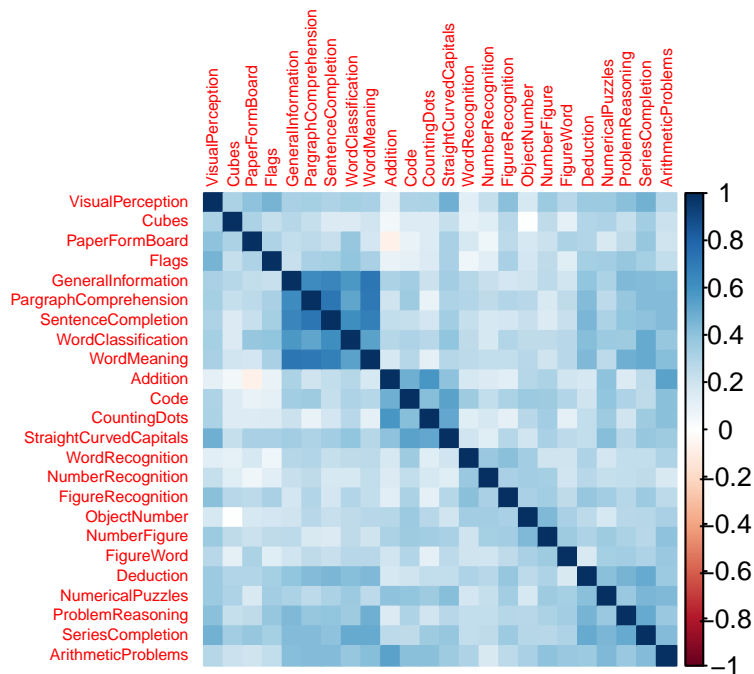
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Analysis of data set titled “Harman74.cor”

This data is a correlation matrix of 24 psychological tests given to 145 seventh and eight-grade children in a Chicago suburb. The research was performed by Holzinger and Swineford. The matrix gives the correlation between each of the variables and the graphs show it by color scale.

Correlation Plot of data using Base R

```
library(corrplot)
corr_mat <- Harman74.cor$cov
corrplot(corr_mat, method = "color", tl.cex = 0.5)
```



Correlation Plot of data using GGplot

```
library(ggcorrplot)
p <- ggcorrplot(corr_mat, hc.order = TRUE)
p + theme(
  axis.text.x = element_text(size = 6),
  axis.text.y = element_text(size = 8)
)
```

