

A3: Determinants of Plasma Level

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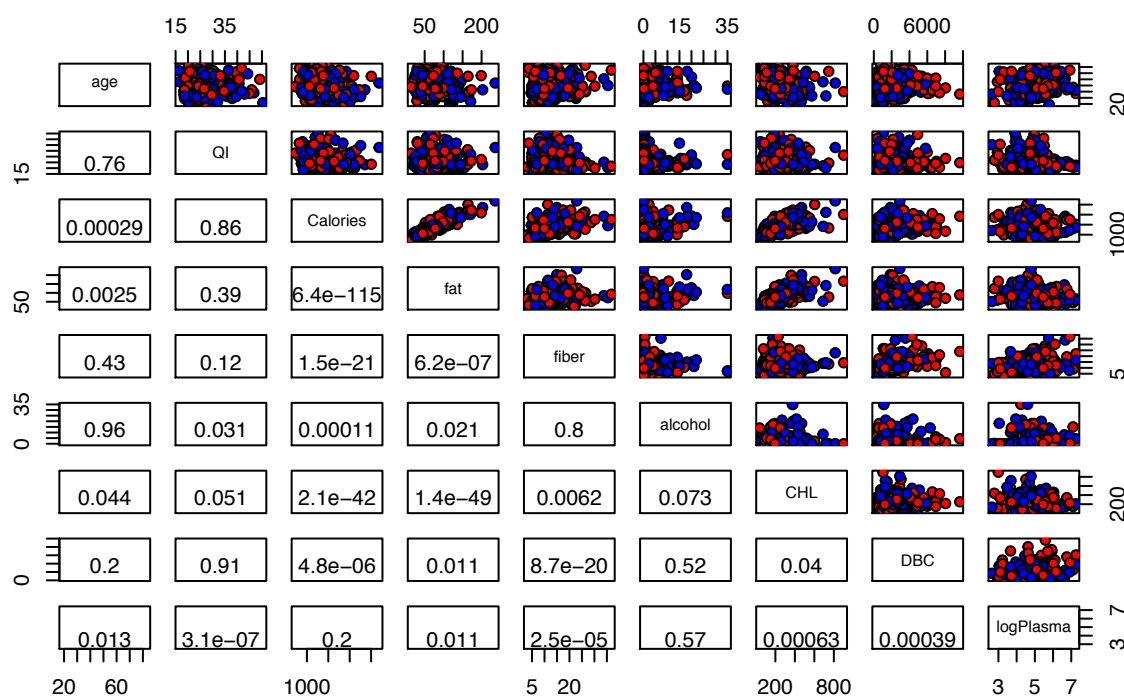
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Q1: Which variables have linear relationship?

A3 data



Comments on the plots: Lower part of the plot represents the p values and the upper part represents the scatter plots. Usually, if a p value is less than 0.01 we would say that we have strong evidence, and if the p value is in interval (0.01, 0.05) we say we have moderate evidence. Looking at their p values, pairs of variables with strong evidence of nonzero correlation are:

CHL and logPlasma (p-value = 0.0006)

DBC and logPlasma (p-value = 0.0004)

Fat and age(p-value = 0.0025)

Fat and fiber(p-value = $6.2e-07$)

Fat and CHL(p-value = $1.4e-49$)

Calories and fat(p-value = $6.4e-115$)

Calories and fiber(p-value = $1.5e-21$)

Calories and alcohol (p-value = 0.00011)

Calories and CHL(p-value = $2.1e-42$)