

Experimental Design and Data Analysis: Assignment 6

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1 Introduction

2 The Experiment

3 Data Analysis

First off a pairs plot was made of the data to be able to see how the data relates to each other. In Fig1 the foremost problem is clear, the outliers in the data are big and unlogical. Furthermore has Lab more than 6 categories, these problems can be explained by human error. And lastly the lab 3 has strange measurements with the cammol, this might be because of confusion of the measurement unit. The following values were changed:

- Removed Ages over 110
- Removed Sex which is not in the category 1 or 2
- Removed Lab categories which are over 6
- Removed Phosmmol over 2
- Divided Cammol of Lab 3 by 10

After removal the same plot is made, this is seen in Fig2. Here you can see the correlations between the features better than in Fig1.

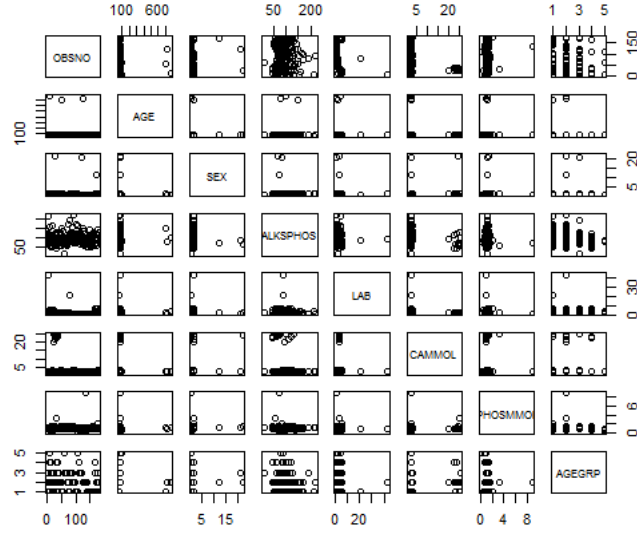


Figure 1: Pairsplot of the original data

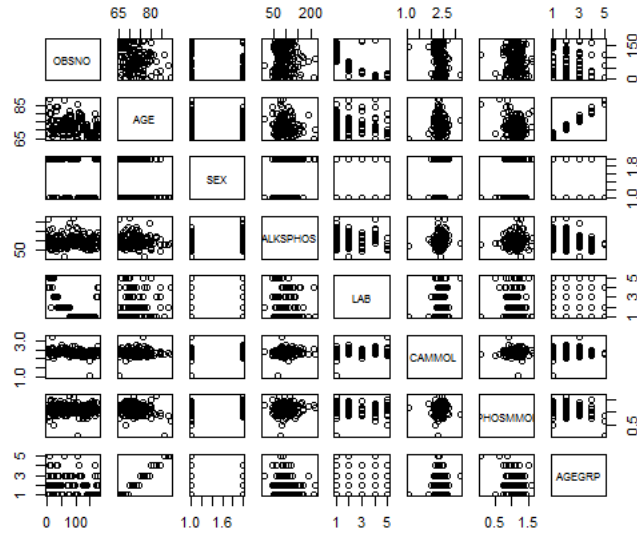


Figure 2: Pairsplot of the updated data

- 4 Results
- 5 Discussion
- 6 R-Code