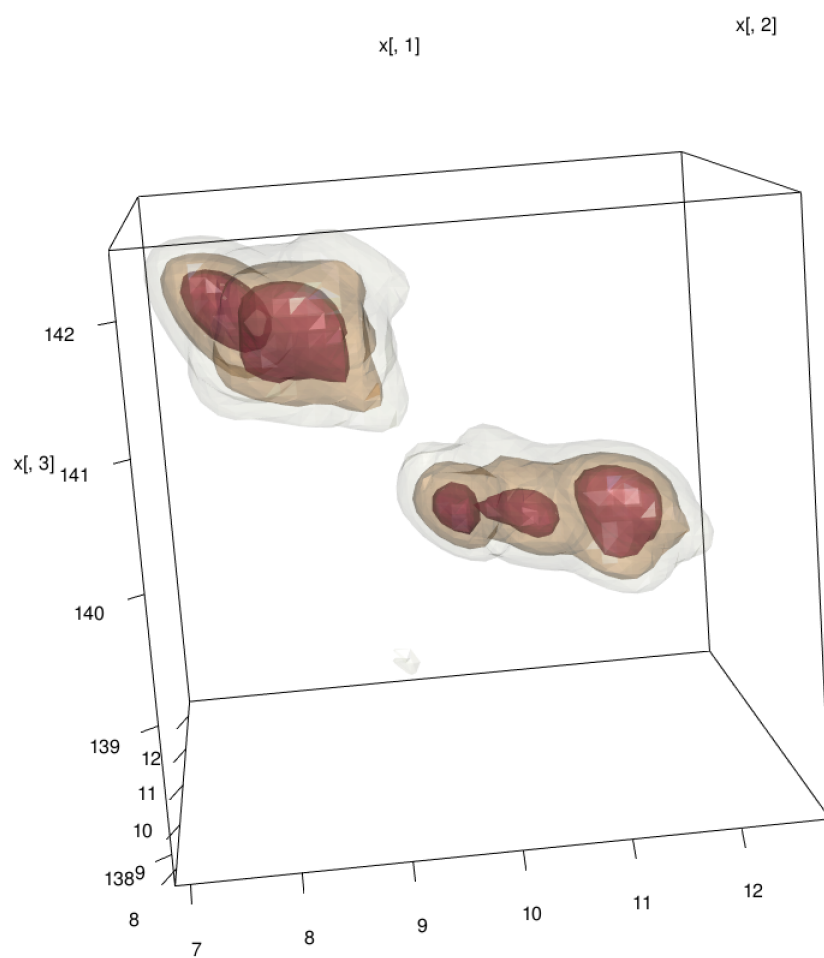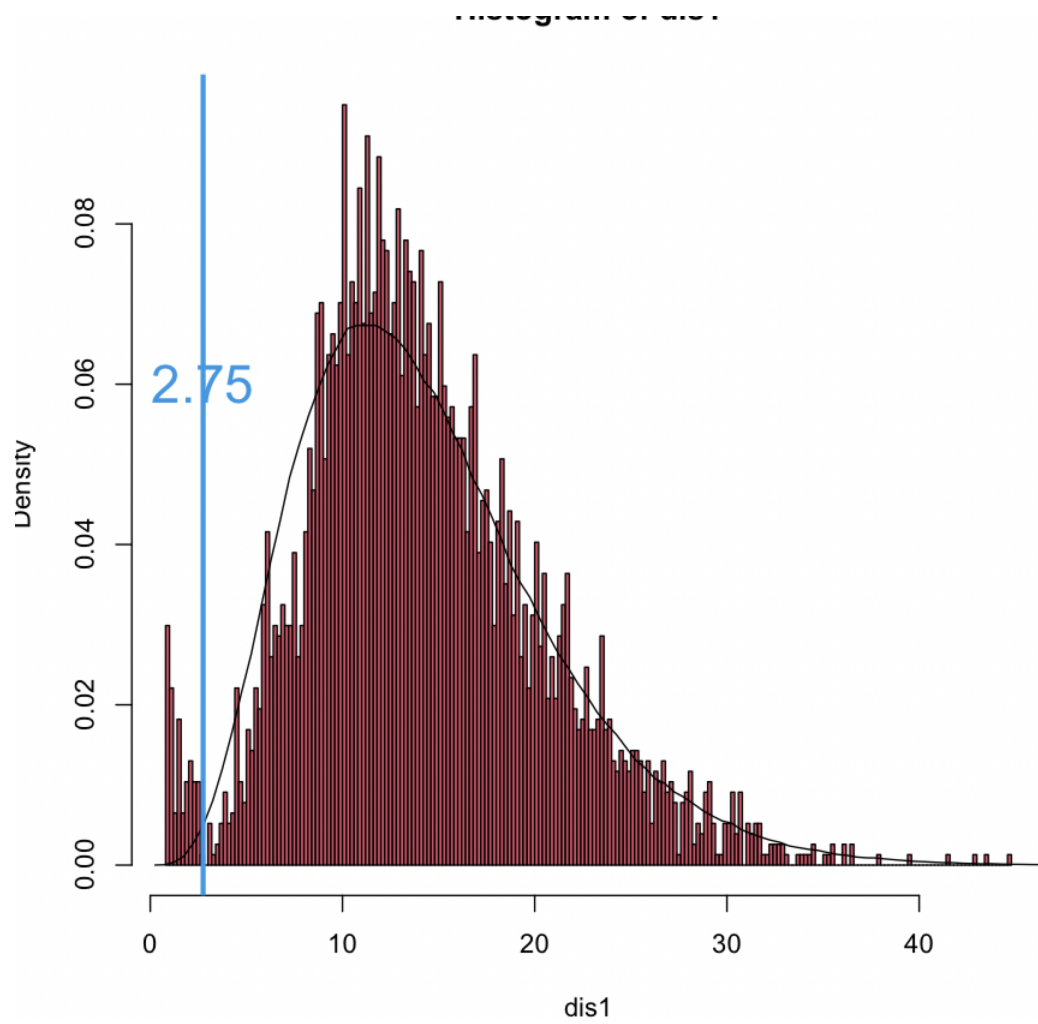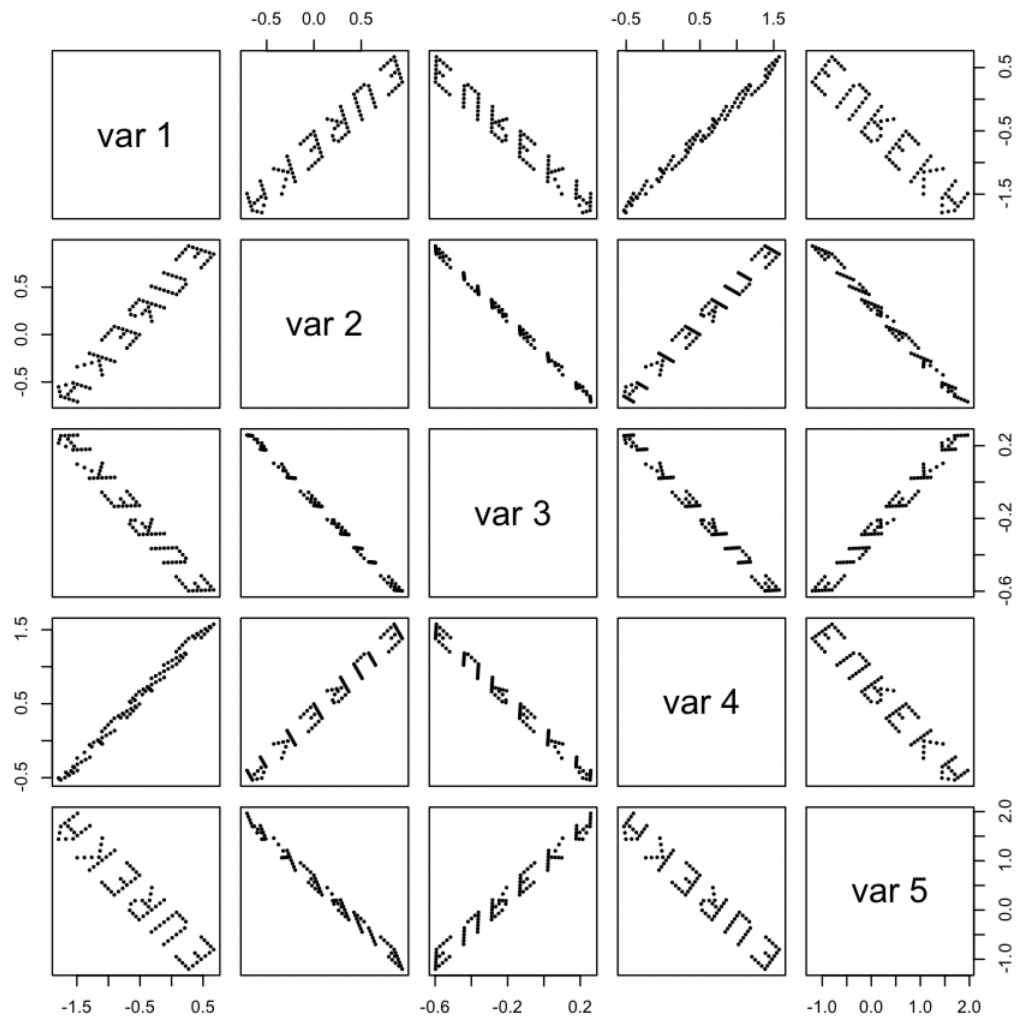Solution Homework 6 Stat 550 (12-17-23)

1. Use kde function to look at the swiss franc data. Notice the two clusters have subclusters?
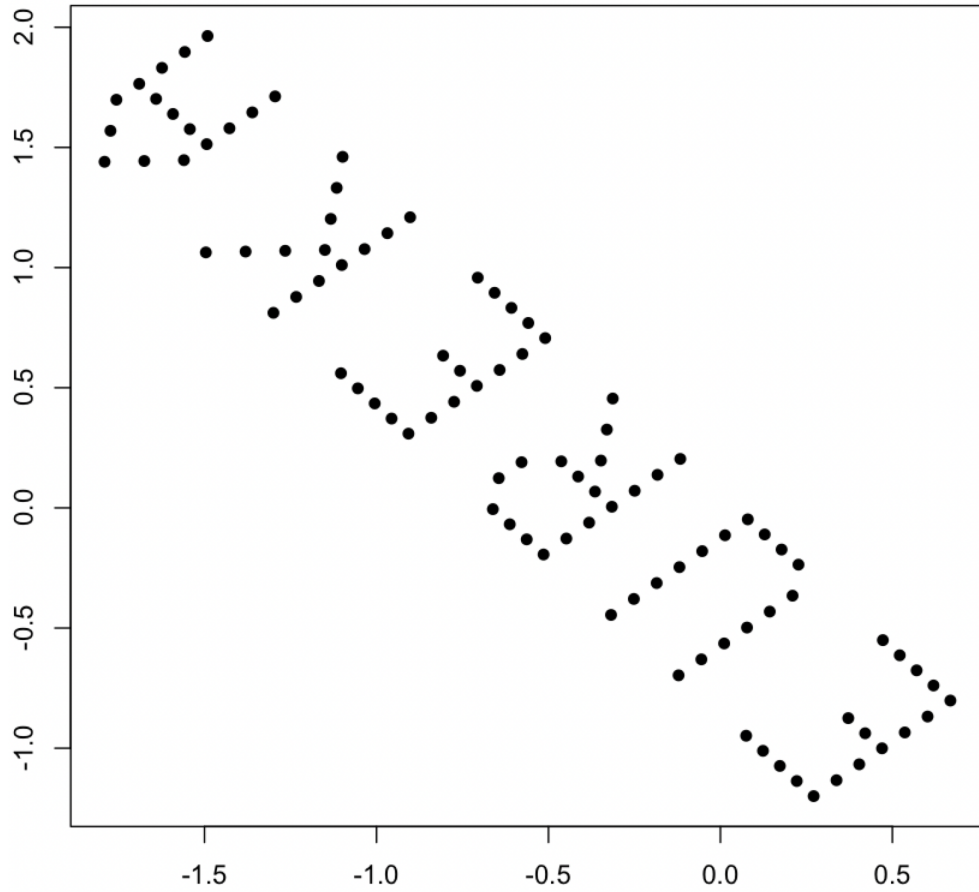

2. Find feature in data.

Start by looking at a histogram of the distance of each data point to
the origin. There clearly is a cluster in the interval $(0, 2.75)$ of about
100 points,

Here is the pairs function applied to those 100 points,

In case it is not obvious, here is a scatterdiagram of just the variables 1 and 5. EUREKA!!!!

Happy Holidays!!!