

MAT013 - R: C1+C2 - Challenge Sheet

Introduction and Basic Statistics Challenge

The datafile [Stock_Report.csv](#) contains data on the stock for a supermarket. There are 4 variables:

- The department of the product
- The name of the product
- The value in loyalty points of the product
- The cost of the product

Answer the following questions:

- How many products are there in each department?
- How much variation is there in the price of the products?
- Is this similar to the loyalty points value?
- Is there a linear relationship between the loyalty points and the price of products?

Prepare a presentation on the above, making full use of the features discussed in chapters 1 and 2 of the course notes. Include the code used in your presentation.