# 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.