

ML and AI FNCE9015 Python

Programming Assignment

The attached csv file “ProgrammingAssignment_MLAIFNCE9015.csv” contains the data for this assignment; and the file ProgrammingAssignment.ipynb contains the skeleton code in which you are expected to write answers to following four questions. Also note you have to upload the csv file “ProgrammingAssignment_MLAIFNCE9015.csv” in your Colab directory to be able to access the data in it successfully. After correct execution the list “*products_list*” in ProgrammingAssignment.ipynb will contain the data that needs to be used for this assignment.

You are expected to use the knowledge of all stuff done in class so far to get to the answers you are expected to use programming constructs with few hints being dictionaries, if statements and for loops.

Q1) What is the cumulative (combined) Q1 profit of food related products?

Q2) All products have highest profit in Q4 with exception of four; which ones are that?

Q3) How many products fall in the baby, luxury and food category?

Q4) Plot a bar plot of the profits in quarter 3 of all the different product categories.