



Data Technician v1.0 Scenario Demonstrations EXAMPLE

NOTE: Please note this example scenario demonstration is solely to help you to practice for End Point Assessment with **1st for EPA** and **not** with any other EPA.

Scenario Demonstration

Loan data is a data set which is used to record all credit card requests. You are a Data Technician with Just Money, a small financial company based in the UK. Your line manager has requested that you use an appropriate data analysis tool to extract and manipulate data from multiple sources, remove corrupted data and professionally format and present the imported data in the form of a table and visual representation ready for further analysis.

Data Location

To carry out this task, please use the two datasets (**Personal Data.csv**, **Loan Data.csv**) provided. The **Loan Data.csv** file includes latest loan request, and **Personal Data.csv** includes personal details of those making loan requests.

Tasks

To meet the objectives of this data analysis activity, you have been asked to carry out the following **Ten** tasks:

1. Import the following columns from the **Personal Data.csv** file - Gender, Married, Dependant, Education, Self-employed - into the **Loan Data.csv**, using a suitable data analysis tool of your choice and name the merged dataset '**Loan Request Data**.'
2. Format the '**Applicant Income**' and '**Loan Amount**' columns to **currency, 2 decimal places**.
3. Check all of the data and where any **Blanks** are identified **delete these records**.
4. **Format** the table to make it **presentable for further analysis**.
5. Insert a **new column** to the right of '**Loan Amount Term**' and give it a heading of '**Monthly Payment**.'
6. In the **new column** create a **formula** to **calculate the monthly payments against the loan amount**. Make sure this is **formatted to currency 2 decimal places**.
7. In cell O2, **use a formula** to **calculate the number of Male applicants** followed by a **formula** in cell O3 to calculate the **number of Female applicants**.
8. Using the assembled '**Loan Request Data**' dataset, **create a visual representation** to show the **total loan amounts** for **Male and Female** requests **who are married**.
9. Record **your findings** beneath the **visualisation**.
10. **Save** the work.