**Guess the Product**

A huge challenge is faced by manufacturing companies in classifying the raw materials(products) received from vendors. Help them to classify the products by building a machine learning model that could predict the **product category(Response variable)** based on certain features.

The following description of every column in the dataset.

|  |  |
| --- | --- |
| **Inv\_id** | An **invoice ID** is a number generated after every successful checkout by a buyer. |
| **Vendor\_Code** | **Vendor code** is the Vendor name that is used during the creation of the Product Order. |
| **GL\_Code** | General ledger (**GL**) **code**, is a number used to record business transactions in the general ledger. |
| **Inv\_Amt** | The **Invoice amount** is the amount of the bill. the amount stated in the bill is called the invoice amount. |
| **Item\_Description** | Brief description of the item. |
| **Product\_Category** | Class to which the product belongs. |

**Submission Requirements**

1. You have to submit the corresponding Python/R script which should contain the following:
   1. Exploratory Data Analysis of variables
   2. ML model
   3. Model Evaluation
2. Code pipeline for test data.