**FullThrottle Labs Data Analyst - Assignment details**

This assignment is to test your abilities in doing Exploratory Data Analysis on some data and for assessing how you deal with an unclean dataset.

**Dataset**

Given below is a Google Drive link which contains a CSV file. The CSV file consists of some customer information and their associated loan information. The loan was taken to buy a product and hence the product ID and their details are also provided. Each product has a supplier. Also the products are bought via a partner.

The column descriptions are given below

Village - The village of the customer

Group ID - Unknown

Member ID - ID of customer

Branch Name - Branch name of Partner

Circle Name - Circle name of customer

Loan Amount - Amount of loan taken

Product Type - Type of product for which loan is taken

Name of Model - Model name of product purchased

Product Detail - Explanation of product (if applicable)

Institution Name - Partner name

Manufacturer Name - Manufacturer of product

Loan Account Number - (Self explanatory)

Loan Application Date - (Self explanatory)

Product Installed Date - (Self explanatory)

Document Signature Date - Date of signing the document for loan

Loan\_id - Loan ID

Household\_id - Household ID

Product\_id - Unique ID of product

Branch\_id - Unique ID of branch of the partner from which loan was taken

Partner\_id - Unique ID of partner

Data Set can be found here- <https://drive.google.com/file/d/1-hSzUAs5TE8ZnNmxcx41l5jVmJ8Rp-Jd/view>

**Objective**

The objective of this test is to clean the data, do exploratory data analysis on it and infer from the data about the trends in loans taken and products bought. You should also include the details of each step performed during cleaning and EDA and why you did them.

**Tools to use**

If you are using Python libraries, then you need to create an iPython notebook and share the notebook with us. If you are using Tableau, then you need to share the Tableau workbook along with a document briefing us about the insights you have generated.

**Submission**

The assignment files need to be sent as a reply to this mail. In case of multiple files, a Google Drive/Dropbox link can also be shared but please make sure access permissions are enabled.

We look forward to hearing back from you. All the best!