

Low Level Document (LLD) Google Analytics Customer Revenue Prediction

Version number: 1.0

Last date of revision: 2 March 2023

Sugaiel Fathima A

MD Zaid N



DECLARATION

We declare that this written submission represents us ideas is our own words and where others' ideas or words have been included, we have adequately cited and referenced the original sources.

We also declare that we have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in my submission.

We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.



Revision History

Version	Date	Author	Reviewer	Approver	Comments
0.1	26-02-2023	MD Zaid N	Sugaiel Fathima A		Draft version
0.2	27-02-2023	Sugaiel Fathima A	MD Zaid N		Suggested some selections like key notes, screen validations and attributes to be added
0.3	28-02-20223	MD Zaid N	Sugaiel Fathima A		Suggested document format related comments like correction of version, adding one sections for open issues etc
0.4	01-03-2023	Sugaiel Fathima A	MD Zaid N		Suggested some changes like correct sequence diagram, changes in data design sections etc
1.0	02-03-2023	MD Zaid N	Sugaiel Fathima A		Baseline Version



Table of Contents

1. Introduction	5
1.1 Scope of the document	5
1.2 Intended Audience	
1.3 System Overview	5
2. Project Briefing	6
3. Problem Statement	7
4. Problem Solution	7
5. Objective of Project	7
6. Scope of Project	7
7. Block Diagram	8
8. Requirements Gathering	
9. Analysis	10
10. Final Screenshot of Project Output	11



1. Introduction:

1.1 Scope of the Document

- This section will cover details regarding scope of the document
- Low level design document will be at component level i.e., for website portal there will be one LLD.

1.2 Intended Audience

• This section will cover categories of audiences who will be referring/reviewing this document

1.3 System Overview

- This section will capture overview of system application i.e for what system is being developed
- Who are the stake holders of system?
- What are other external Systems through which this will be interacting



2. Project Briefing:

In this project, we developed a predictive model using G-Store dataset to predict the total revenue for the customer that helps in better user of marketing budget and also interpret the most impacting element on the total revenue prediction using different model. As for every business, the number of customer that generate revenue will be far less than the total customers that the business interacts with. So for every business it's really important to understand, analyze and predict the areas of its revenue generation.

The main objective of this project is to create a model that predict Customer Revenue. Customer analytics is a process by which data from customer behavior is used to help make key business decisions via market segmentation and predictive analytics. This information is used by businesses for direct marketing, site selection, and customer relationship management. Marketing provides services in order to satisfy customers. With that in mind, the productive system is considered from its beginning at the production level, to the end of the cycle at the consumer. Customer analytics plays an important role in the prediction of customer behavior.

The scope of the project is Merchandise stores and other businesses can use the provided datasets to predict customer revenue. To develop this model we used Window 10 Operating system ,Visual studio software ,Project integration idea from Kaggle website.

The walkthrough of this model is as follows. Collecting history of customer data from the merchandise store, then predicting customer revenue from the datasets and then the final prediction.



3. Problem Statement:

Predict the total revenue per customer to establish a better marketing Decison.

4. Problem Solution:

Develop a predictive model using G-Store dataset to predict the total revenue for the customer that helps in better user of marketing budget and also interpret the most impacting element on the total revenue prediction using different model.

5. Objective of the Project:

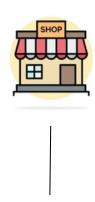
Objective of this project is to create a model that predict Customer Revenue.

6. Scope of Project:

Merchandise stores and other businesses can use the provided datasets to predict customer revenue.



7. Block Diagram:



Collecting history of customer data from the merchandise store



predicting customer revenue from the datasets



Final Prediction



8. Requirements Gathering:

- Window 10 Operating system
- Visual studio software
- 2 Team members for the research part
- Project integration idea from Kaggle website
- Few Github Non copyrighted source codes



9. Analysis:

In this project we develop a predictive model using G-Store dataset to predict the total revenue for the customer that helps in better user of marketing budget and also interpret the most impacting element on the total revenue prediction using different model. Google Analytics automatically enriches customer's data by bringing Google machine-learning expertise to bear on customer's dataset to predict the future behavior of the customer. As for every business, the number of customer that generate revenue will be far less than the total customers that the business interacts with. So for every business it's really important to understand, analyze and predict the areas of its revenue generation. In the first step, we collect history of customer data from the merchandise store. We store all the collected data in the datasets. In the second step, we try to predict the customer revenue from the collected datasets. So objective of this project is to create a model that predict Customer Revenue. In the third step, we will derive the final prediction the will be depicted in the form of graphs, and the graphs are knowns as Bar charts.



10. Final Screenshot of Project Output

