

# High Level Design (HLD)

## Analyzing Google Apps Store

Dhiraj Jesani

Dharvi Sanghavi

## Document Version Control

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# Contents

Document Version Control.....2

Abstract.....4

1 Introduction .....4

    1.1 Why this High-Level Design Document?.....5

    1.2 Scope .....5

2 General Description .....6

    2.1 Problem Statement .....6

    2.2 Tools used.....6

3 Design Details.....7

    3.1 Functional Architecture .....7

    3.2 How Data mining really works.....8

## .....4 High Level Design (HLD)

### Abstract

Google Apps Store is dataset which we have to do ETL (Extract, Transform, and Load). This is form of Data mining Process. We have analyse Data with data cleaning, visualization, built model.

We are not only do data mining but through data mining process we are exploring the relationship between different attributes/columns & clean the data which is known as data pre-processing.

### 1 Introduction

#### 1.1 Why this High-Level Design Document?

The purpose of this High-Level Design (HLD) Document is to add the necessary detail to the current project description to represent a suitable model for coding. This document is also intended to help detect contradictions prior to coding, and can be used as a reference manual for how the modules interact at a high level.

#### The HLD will:

- Present all of the design aspects and define them in detail
- Describe the software interfaces
- Describe the performance requirements
- Include design features and the architecture of the project

## .....5 High Level Design (HLD)

### 1.2 Scope

The HLD documentation presents the structure of the system, Data mining architecture, and Flow of Data mining.

## 2 General Description

### 2.1 Problem Statement

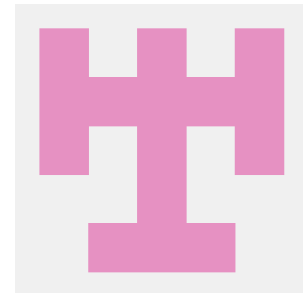
Google Apps Store is dataset which include ratings of particular application, downloads of particular Application and many more attributes/columns.

The objective of the project is to perform data mining process & visualization techniques to Understand the Insight of the data. This project aims apply Rstudio IDE for data mining and Analyze the data and for visualization we use ggplot2 library and for summary we use summarytools Library.

## .....6 High Level Design (HLD)

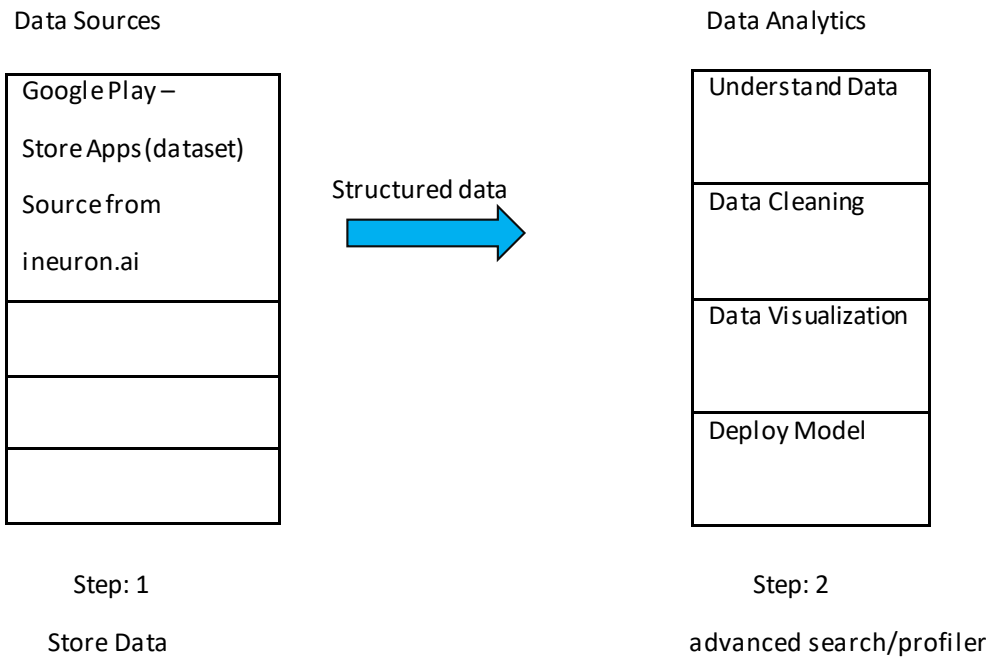
### 2.2 Tools used

For the purpose of data mining and data visualization we use R, ggplot2, summarytools library for summary and R in built data viewer.



## 3 Design Details

### 3.1 Functional Architecture



## How Data mining really works

