

Low Level Design

HR Analytics - absenteeism

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1. Introduction

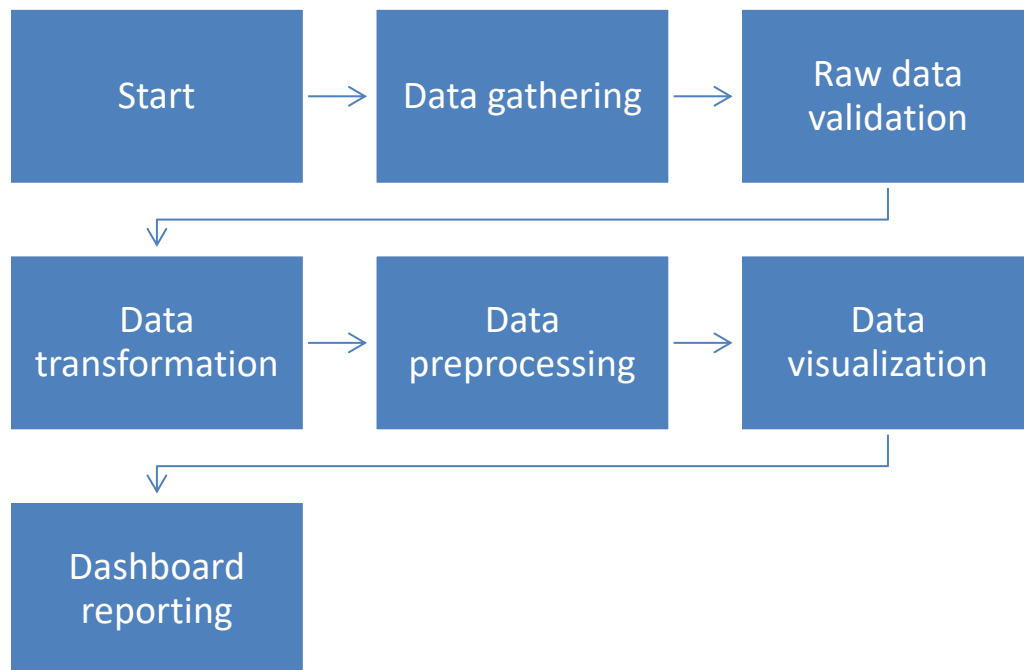
1.1. What is Low-Level design document?

The goal of LLD or a low-level design document (LLDD) is to give the internal logical design of the actual program code for Store Sales Prediction. LLD describes the class diagrams with the methods and relations between classes and program specs. It describes the modules so that the programmer can directly code the program from the document.

1.2. Scope

Low-level design (LLD) is a component-level design process that follows a step-by-step refinement process. This process can be used for designing data structures, required software architecture, source code and ultimately, performance algorithms. Overall, the data organization may be defined during requirement analysis and then refined during data design work.

2. Architecture



3. Architecture Description

3.1. Data Description

Variable	Description
Employee Name	Name of the employee
Surname	Surname of employee
Given Name	First name of the employee
Gender	Male/female
City	Place of residence of different employee
Job title	Designation
Department Name	Department where the employees are employed
Store location	Location of store
Division	Division of the company
Age	Age of each employee
Length service	Service length of each employee
Absent hours	Total absent hour in a year for each employee
Business unit	Business unit in the company

3.2. Data Gathering

Dataset link :-

[https://drive.google.com/drive/folders/1HRRc23RoCI0MwhV3P_cUz47TNOg4R- 2](https://drive.google.com/drive/folders/1HRRc23RoCI0MwhV3P_cUz47TNOg4R-2)

3.3. Data Cleaning

The dataset is already cleaned. No need for data cleaning

3.4. Handling Missing Data

There is no missing data in the dataset.

3.5. Feature Generation

Dataset has 8336 rows and 13 fields

3.6. Feature Selection

We have selected all the features except employee name, surname, given name, city and store location,

3.7. Encoding Categorical Data

Absent hours, age and service length are used as measures. Other features are used as categorical variable.

3.8 Model Saving

Model is saved in tableau workbook format.

3.9 Github

The whole project directory will be pushed into the GitHub repository