

LLD (Low Level Documentation)

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Document Control

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25/09/22	1.0	Introduction, Problem Statement	Vijit Kumar
25/09/22	1.1	Dataset Information, Architecture Description	Vijit Kumar
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Contents

- Document Version Control2
 - 1. Introduction4
 - 1.1. What is Low-Level design document?4
 - 1.2. Scope..... 4
- 2. Architecture 5
- 3. Architecture Description 6
 - 3.1. Data Description 6
 - 3.2. Data Ingestion.....6
 - 3.3. Data Validation 6
 - 3.4 Data Transformation6
 - 3.5 Model Building.....7
 - 3.6 Model Evaluation..... 7
 - 3.7 Model Deployment7

1. Introduction

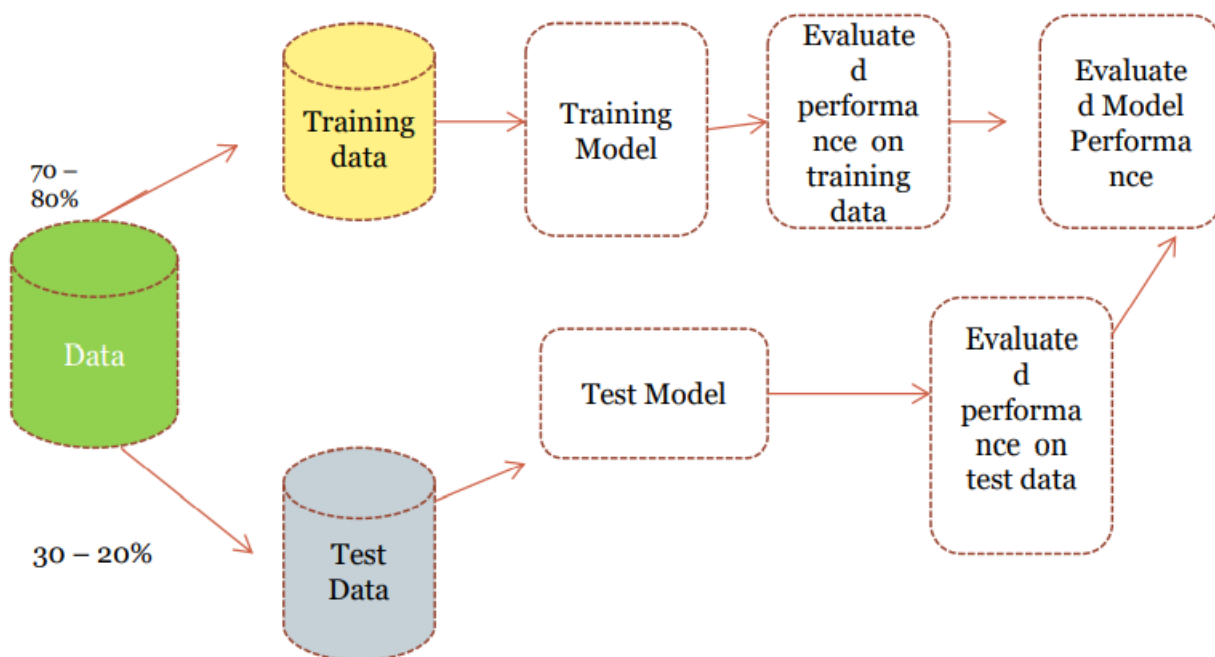
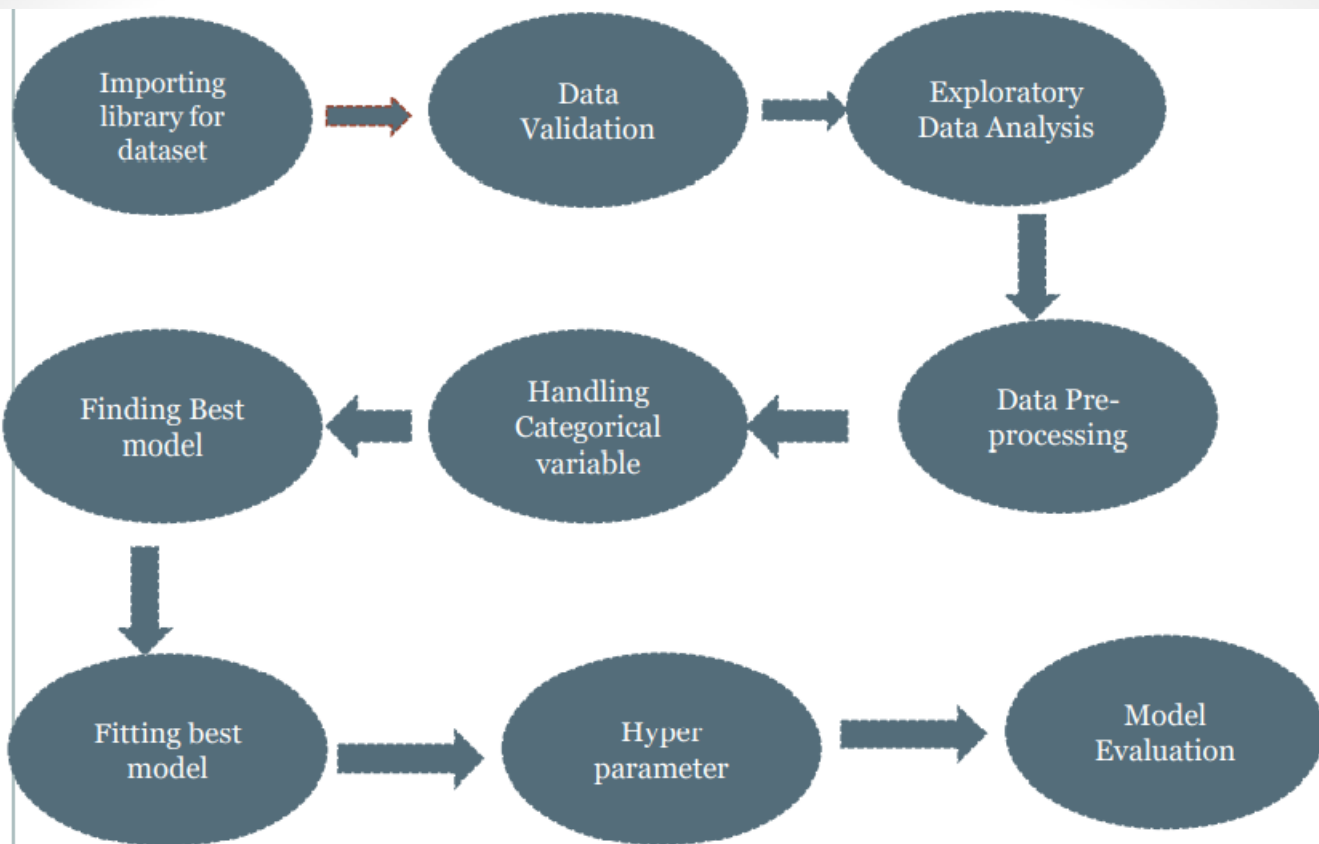
1.1. What is Low-Level design document?

The goal of LLD or a low-level design document (LLDD) is to give the internal logical design of the actual program code for Mushroom 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 wo

2. Architecture



3. Architecture Description

3.1. Data Description

This dataset contains 8000 records along with 23 columns like capshape,capcolor,veil type ,veil color etc.

3.2. Data Ingestion

In data ingestion step we load the data from database after splitting into test and train data

3.3. Data Validation

In Data validation steps we could use Null value handling, outlier handling, Imbalanced data set handling, Handling columns with standard deviation zero or below a threshold, etc.

3.4 Data Transformation

In this step we will transform our data. We will use standard scaler for numeric data and we will convert categorical data into numeric data using one-hot encoding technique so that machine can understand it.

3.5 Model Building

Here we will build the Machine Learning model using all classification algorithms.

3.6 Model Evaluation

Here model evaluation will be done on the pre processed model. All we select best classification algorithm which have best accuracy for our given model.

3.7 Model Deployment

Here model will be deployed to Local Host Platform