

Low Level Design

Healthcare Analytics on Heart Disease Data

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Document Version	1.0
Last Revised Date	20/12/2021

Document Control

Change Record:

Version	Date	Author
1.0	20/12/2021	Bhushan Raut Sana Tadvi

Review:

Version	Date	Author

Approval status:

Version	Date	Author

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Introduction:

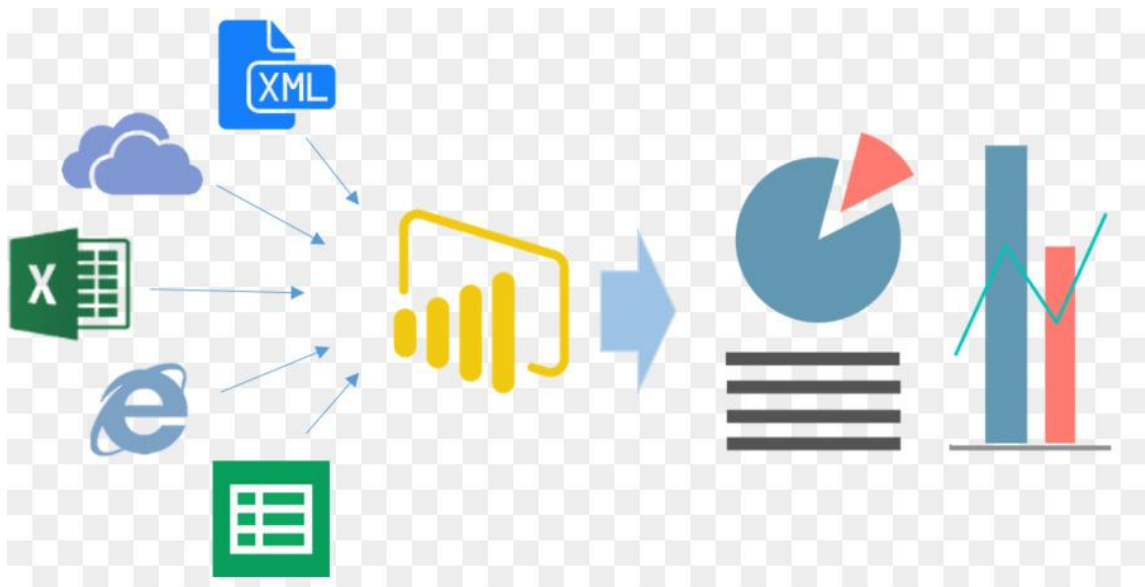
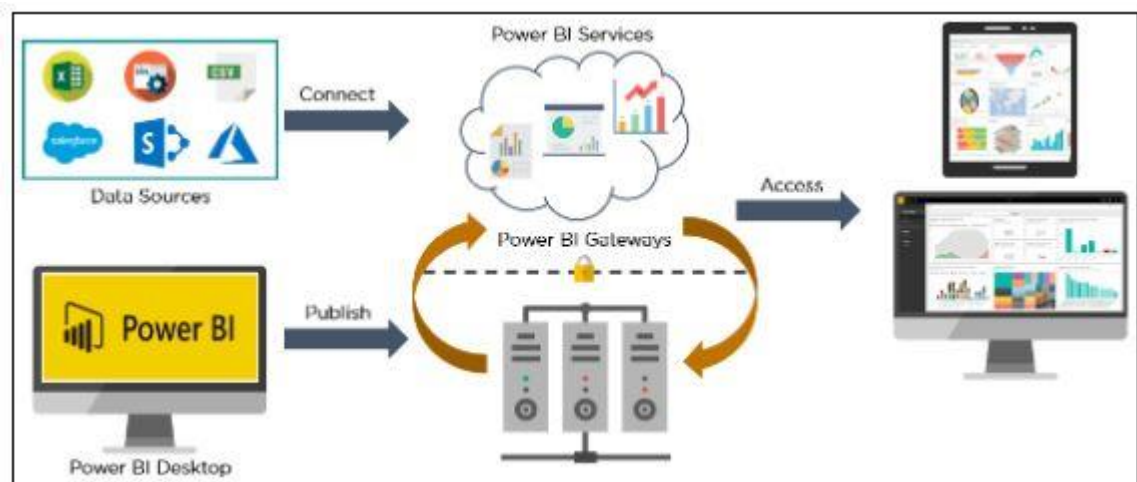
1.1 What is Low-Level design document?

The goal of the LDD or Low-level design document (LLDD) is to give the internal logic design of the actual program code for the House Price Prediction dashboard. LDD describes the class diagrams with the methods and relations between classes and programs 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. The 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 Loading the Dataset

In the Home Menu, click on the Get Data tab and choose Excel as your file source.

Select the data file from the system and click on Load. It will load the dataset onto the Power BI Desktop.

3.2 Import Data

Data Import - The data in a stored database is imported as a CSV or Excel file to be used for Data Visualization.

3.3 Data Cleaning

There are no null values in the data and all the variables are categorical, some of the observations meaningless and they are converted into meaningful observation. Example: “?” is converted into letter “m” (Missing)

3.4 Data Transformation

In the Transformation Process, we will convert our original datasets with other necessary attributes format. And will merge it with the dataset. And we will load and apply the data set which will be ready for Visualization.

RECOMMENDATION SYSTEM:

Input page:

RECOMMENDATION SYSTEM FOR CULTIVATION

Crop

All

- ☐ Barley
- ☐ Bengal Gram
- ☐ Chickpea
- ☐ Cluster Bean
- ☐ Cotton
- ☐ Cowpea (Fodder)

Recommended Zone

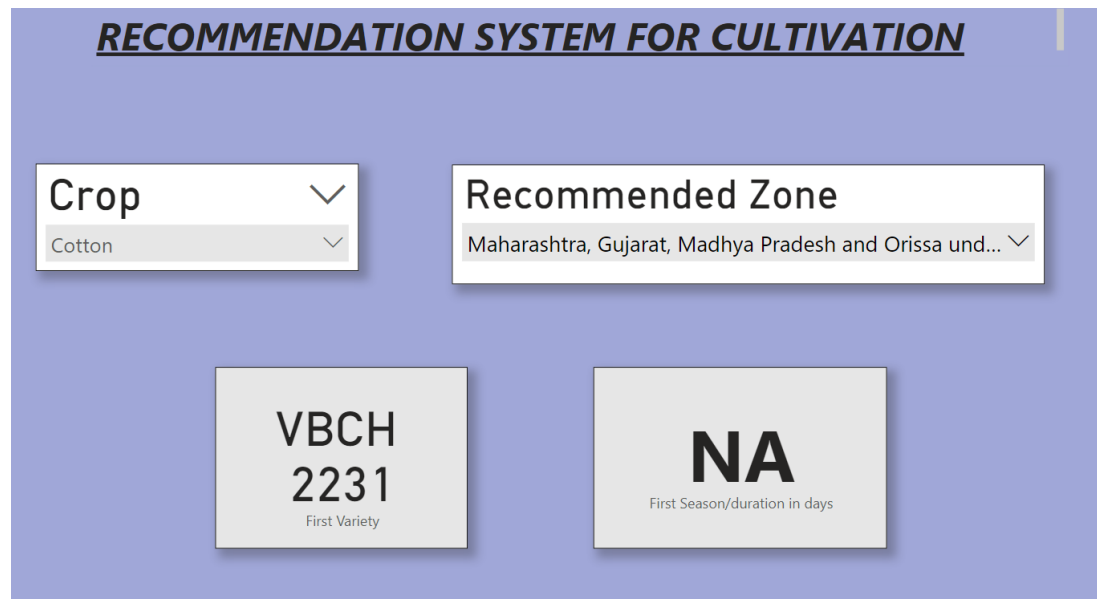
All

383-5-11)

First Variety

First Season/duration in days

Output page

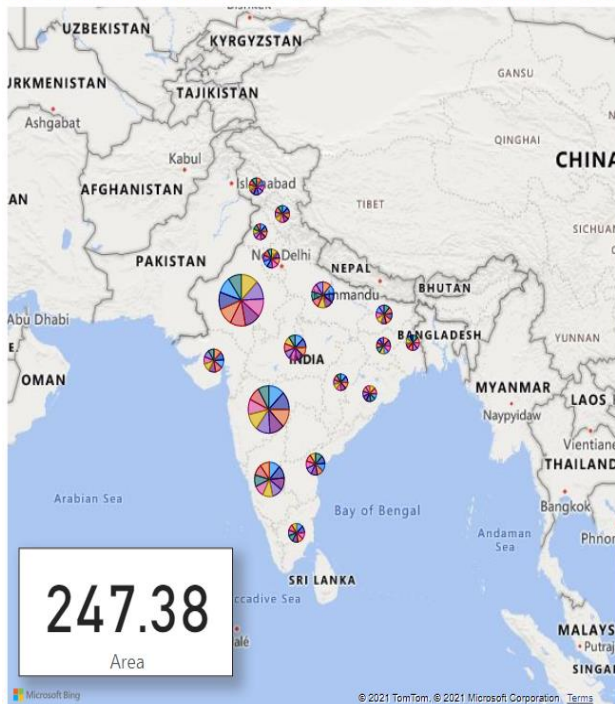


3.12 Dashboard

Yearly Area Production by States

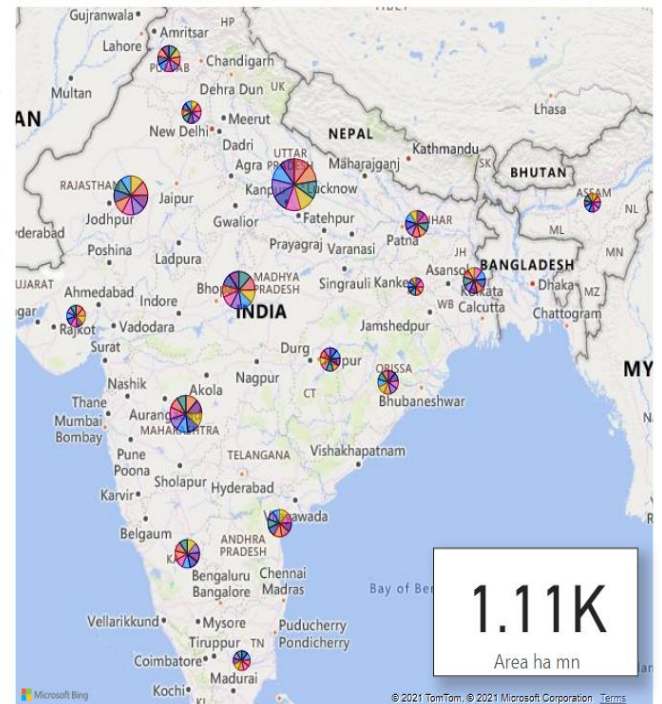
Area by Coarese Cereals States and Ending march of each year

Ending march of each ... 2005 2006 2007 2008 2009 2010 2011 2012 2013

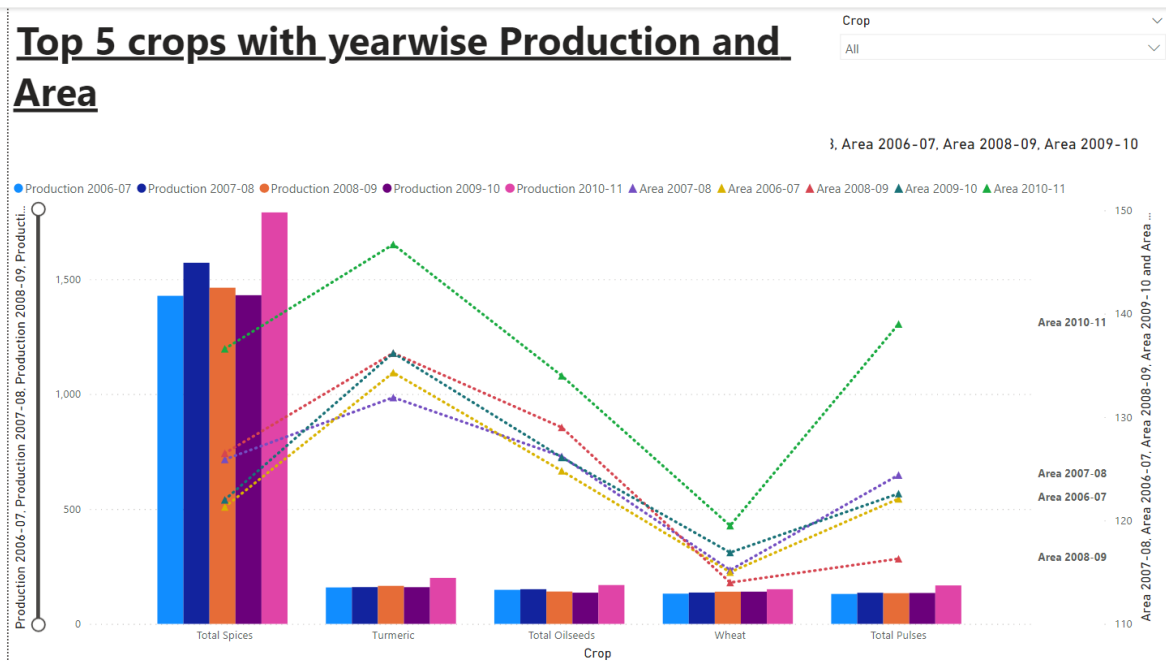


Area ha mn by F00dgrain States and Ending march of each year

Ending march of each y... 2005 2006 2007 2008 2009 2010 2011 2012 2013



Top 5 crops with yearwise Production and Area

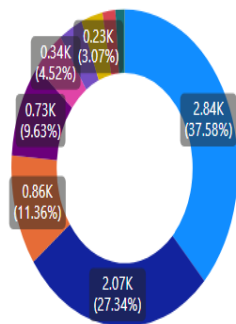


Yearly production of Commercial Crops and Major crops Achievements

Production ton mn by crops

endin...

- ☐ 2005
- ☐ 2006
- ☐ 2007
- ☐ 2008
- ☐ 2009
- ☐ 2010
- ☐ 2011
- ☐ 2012
- ☐ 2013



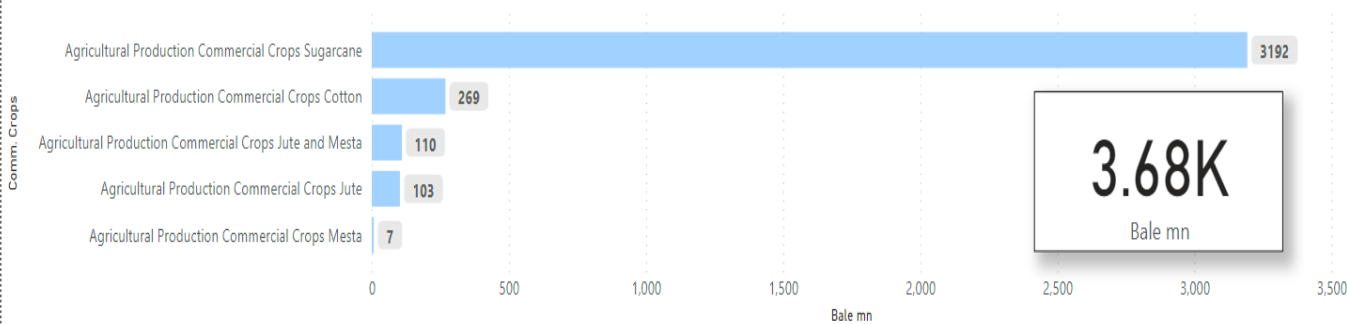
7.55K

Production ton mn

crops

- Agricultural Production Major Crops Achievements Sugarcane
- Agricultural Production Major Crops Achievements Foodgrains
- Agricultural Production Major Crops Achievements Rice
- Agricultural Production Major Crops Achievements Wheat
- Agricultural Production Major Crops Achievements Coarse Grains
- Agricultural Production Major Crops Achievements Oilseeds
- Agricultural Production Major Crops Achievements Cotton
- Agricultural Production Major Crops Achievements Pulses
- Agricultural Production Major Crops Achievements Jute and other

Bale mn by Comm. Crops



3.68K

Bale mn