Big Game Census Data Visualization

Detail Project Report

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Document Version Control:

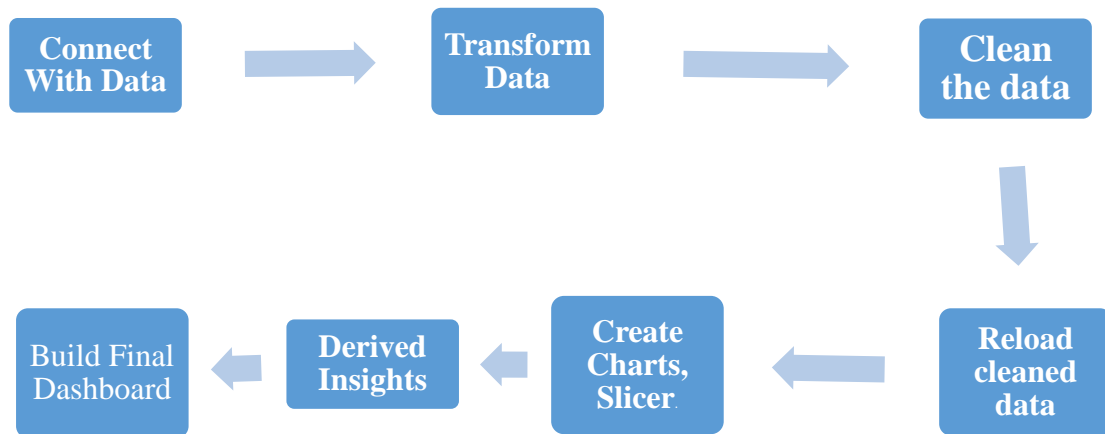| Version	Date	Author	Description
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1. **Introduction**

1.1. What is Architecture design document?

 The main purpose of this LLD documentation is to feature the required details of the project and supply the outline of the machine learning model and also the written code. This additionally provides the careful description on however the complete project has been designed end-to-end.

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

```
Connect         Transform          Clean
With Data  →    Data        →      the data
                                      ↓
Build Final  ←  Derived   ←  Create    ←   Reload
Dashboard       Insights     Charts,       cleaned
                             Slicer        data
```

3. Architecture Description

This project is to make associate interface for the leader to grasp their insights from data, additionally to the present, in would like of obtaining the important time project expertise we have a tendency to square measure mercantilism the gathered information into our own information then begins the project from the scratch.

3.1 Data Gathering:

The data for the current project is being gathered from dataset, the link to the Data is: Data Link

3.2 Data Description:

This Big Game Census data visualization takes a fun look at where Super Bowl 52 players come from, the related population figures, and opens up pathways (via embedded links) to additional census data points.

☐ The dataset came about when two hapless data nerds had their teams eliminated from the playoffs, thus turning to data to try to find more rooting interests for Super Bowl 52?

☐ The rosters for both, competing teams are included, with the corresponding roster information and birth place and state population information.

☐ The developers utilized census data pulled from census.gov, roster information from Yahoo Sports, and designed the data visualization within the Power BI platform.

3.3 Tool Used :

Microsoft Excel, Power BI.

3.4 Data Transformation:

1) Dropped unwanted columns.
2) Change data type of some columns.

3.5 Dash Board Building:

1) Create Charts
2) Create Slicers
3) Create tables.

Insights:

1) Player age, Count of years played and Player Weight correlated with each other.
2) By using 'Conference' slicer we can filter of all charts, tables and maps in Dashboard.
3) By using 'Player Birth State' slicer we can filter of all charts, tables and maps in Dashboard.
4) By using 'Player Team' slicer we can filter of all charts, tables and maps in Dashboard.
5) By using 'Number from City' slicer we can filter of all charts, tables and maps in Dashboard.
6) By using 'Players College' slicer we can filter of all charts, tables and maps in Dashboard.
7) By using 'years played' slicer we can filter of all charts, tables and maps in Dashboard.
8) By using Table we can see the players name, age etc.