


Google App Store Dataset Analytics

Author- Varun Kumar Singh

Objective:

Finding key metrics and factors and show the meaningful relationships between attributes present in the dataset..

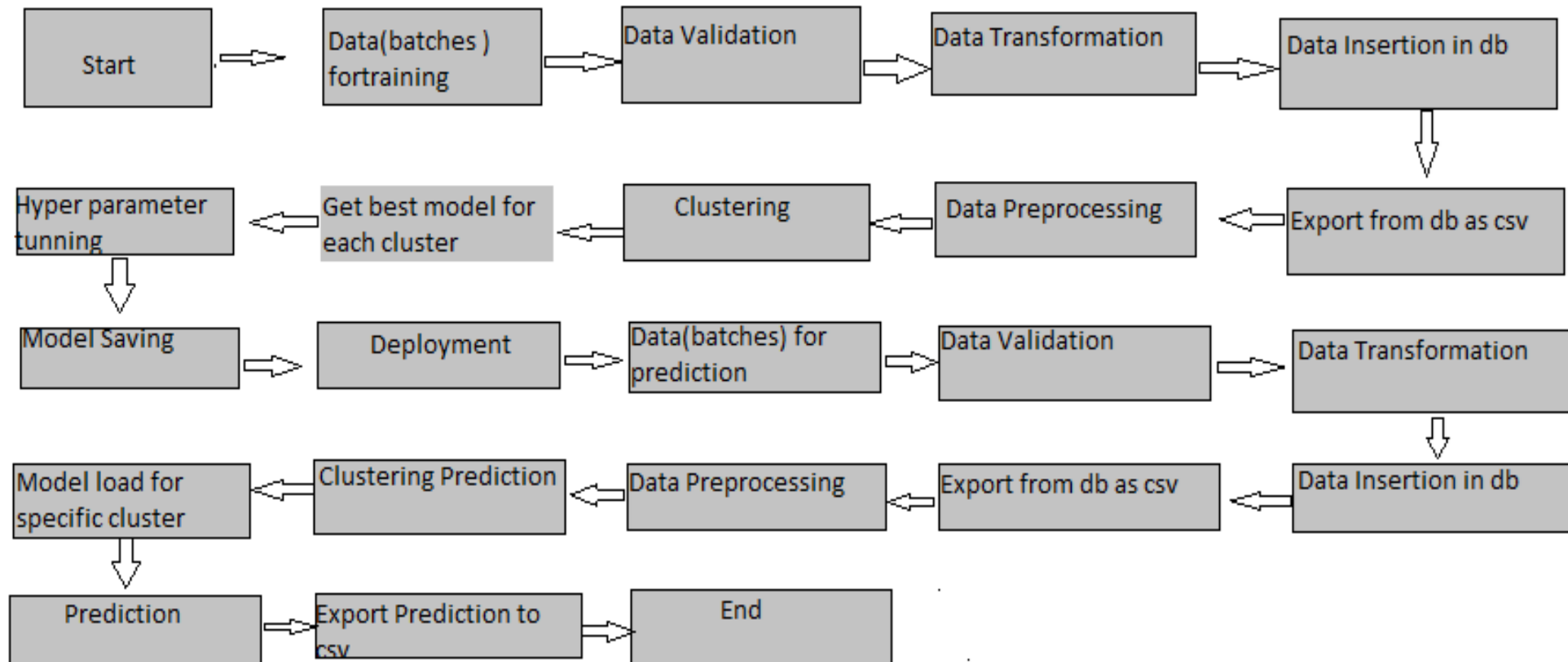
Benefits:

- Most famous app in the category
 - Average app size
 - Relation between category and reviews.
 - Installs in every category.
 - Content rating and count.
 - Top genre and their number of installs.
 - Distribution of rating.
 - Ratio of paid and free apps in each category
 - Sentiment review count in each category.
- 
- Several white lines of varying lengths and orientations are positioned in the bottom right corner of the slide, creating a modern, abstract graphic element.

Data Sharing Agreement :

- Sample file name (Googleplaystore, Googleplaystore_user_review)
- Dataset has 10841 rows and 13 columns.
- Column names(App, Category, Reviews, Size, Installs, Type, Price, Content rating, Genres, Last updated, Current ver and Android ver.)
- Column data type(Object, Float64 and int64)

Architecture



Data Validation and Data Transformation :

- Name Validation - Validation of files name as per the DSA.
- Number of Columns – Validation of number of columns present in the files.
- Name of Columns - The name of the columns is validated and should be the same as given in the schema file.
- Data type of columns - The data type of columns is given in the schema file. It is validated when we insert the files into Database. If the datatype is wrong, then it is transformed using Python libraries such as Pandas and NumPy.
- Null values in columns - If any of the columns in a file have all the values as NULL or missing it is filled or cleaned by python code and its libraries.

