

# **Entertainer Data** **Analysis**

**Architecture**

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## **Introduction**

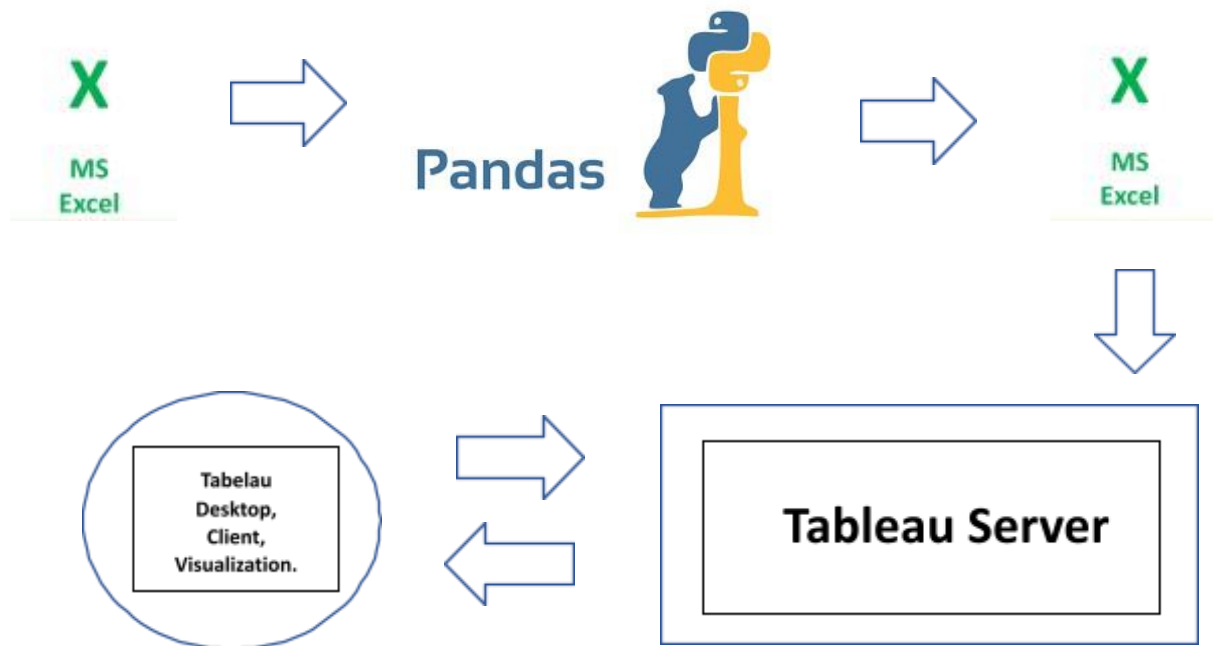
- Entertainer Data Analysis is a project about analyzing data of entertainers. Theme can be any of the choices. Data is divided into three forms **Basic Info**, **Breakthrough Info** and **Final Info**.
- Users can add additional data according to their choice and make meaningful data.

## **Scope**

- Users can make an **informative, beautiful and attractive** dashboard showing charts and also can make a web app using **machine learning** based on the additional data they added.
- This data Representation can also be used for marketing purpose for eg: Highest **Actor** or **Singer** in the Data can be used for **Advertisements** in many Sectors

## Architecture

- The architecture of entire project is shown below:



- Our **entire data** source is our **excel** file.
- Then I joined the 3 sheets using **Pandas** using the **.concat** function (Python library).
- I used Pandas because i find it helpful for doing **important operations** on datasets, As this dataset was clean we did not need to do any **EDA** otherwise using **pandas** we can do EDA on any dataset as per our requirements.
- From Pandas I added more data into the dataset using Excel. **Visually** is easy and fast to add more data into datasets using Excel.
- **Tableau** server has various architectural components regarding how to solve the query.
- The functionalities show the result according to a query entered by the end user or client.
- **Tableau** desktop, client and various charts and dashboard (screen) of Tableau are present at client side.
- Client entered the query to show the graph. After selecting the data in the form of rows and columns it will go inside the tableau server. In the tableau server, it understands the query and generates the best recommended charts based on selected data and returns it into the tableau screen.
- Based on recommended charts, the client can make the visual aspect the same.
- If the **client** is not satisfied with the result, he/she has to select data accordingly otherwise make required changes to show the expected result.

## **Deployment**

- There are **multiple ways** to deploy the dashboard in tableau. The simplest way is to save directly on the tableau server from online mode. One can easily save the work from the desktop and then it will open in the browser, then the user has to sign in and the work will be saved.
- This work can be seen by all the viewers around the world. You can share it via a sharable link.
- Thus, users can deploy a **dashboard** using tableau.