



Premier  
League



S<sup>2</sup>  
LIGUE 1  
Uber Eats



SERIE A



LaLiga

**BUNDESLIGA**

SIDDHARTH DEY

SAMSUDEEN AFOLABI

# Overview

The dataset studied was the player's performance over the top European Leagues.

We are going to be analyzing the relationship between passing accuracy and the average assists made by football players.

We want to investigate whether there is a correlation between a player's ability to make accurate passes and their effectiveness in creating goal-scoring opportunities for their teammates.

Additionally, we aim to compare the passing accuracy and its impact on assist averages across the top 5 football leagues in Europe.

# Data Acquisition

We studied the primary dataset to create our database and tried to understand whether our hypothesis could be proved. the primary source for the creation was the dataset used from Kaggle which studied the player statistics primarily focusing on the top 5 soccer leagues in the world.

In this project, we tried to understand how passing accuracy correlates with the average assists made by players also How do the top 5 leagues differ in terms of passing accuracy and its impact on assist averages?

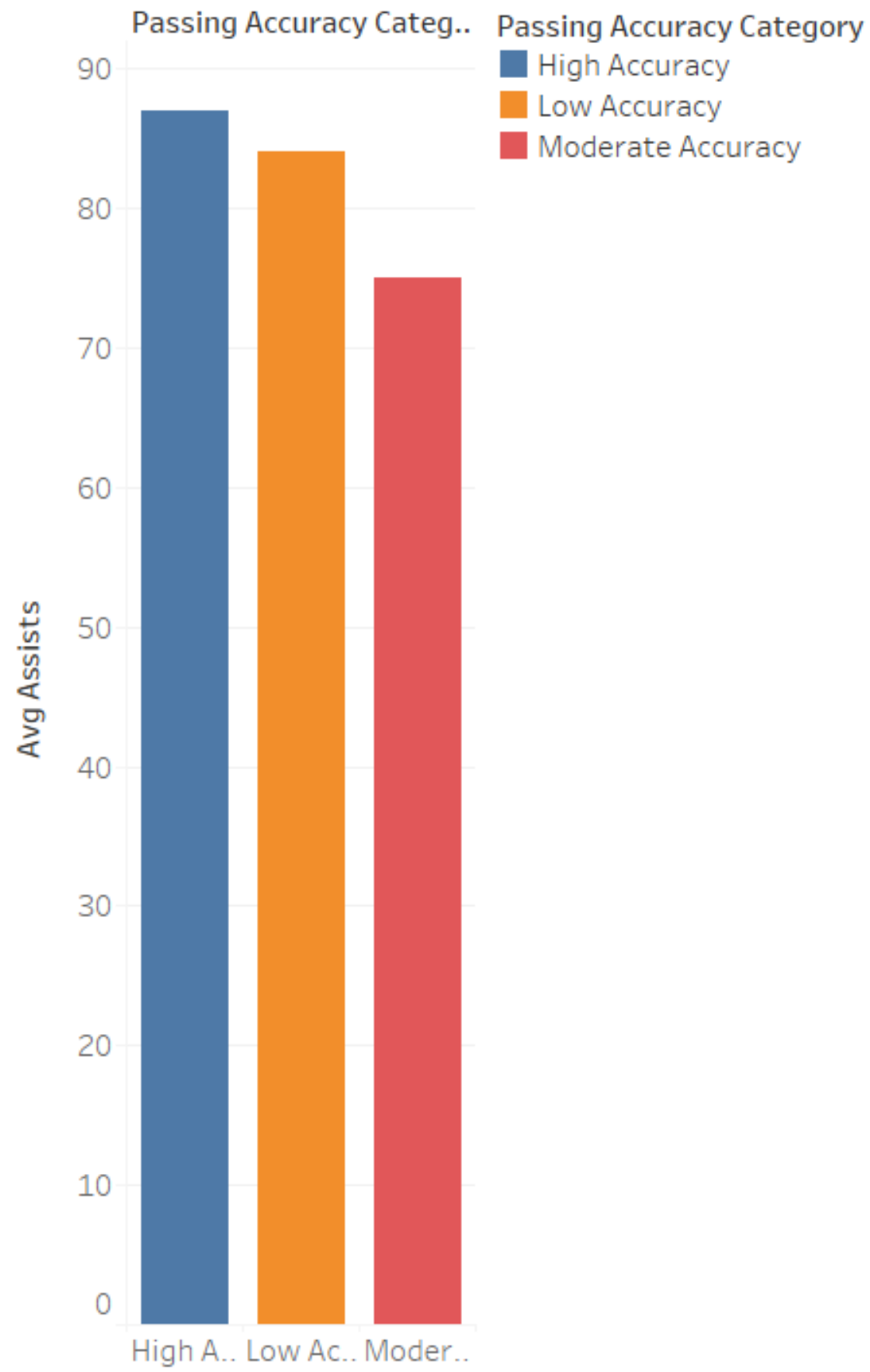
# DATA BASE TRANSFORMATION

- Data Cleaning and Data Wrangling on Python
- Created a single table database

# VISUALIZATION & KEY INSIGHTS

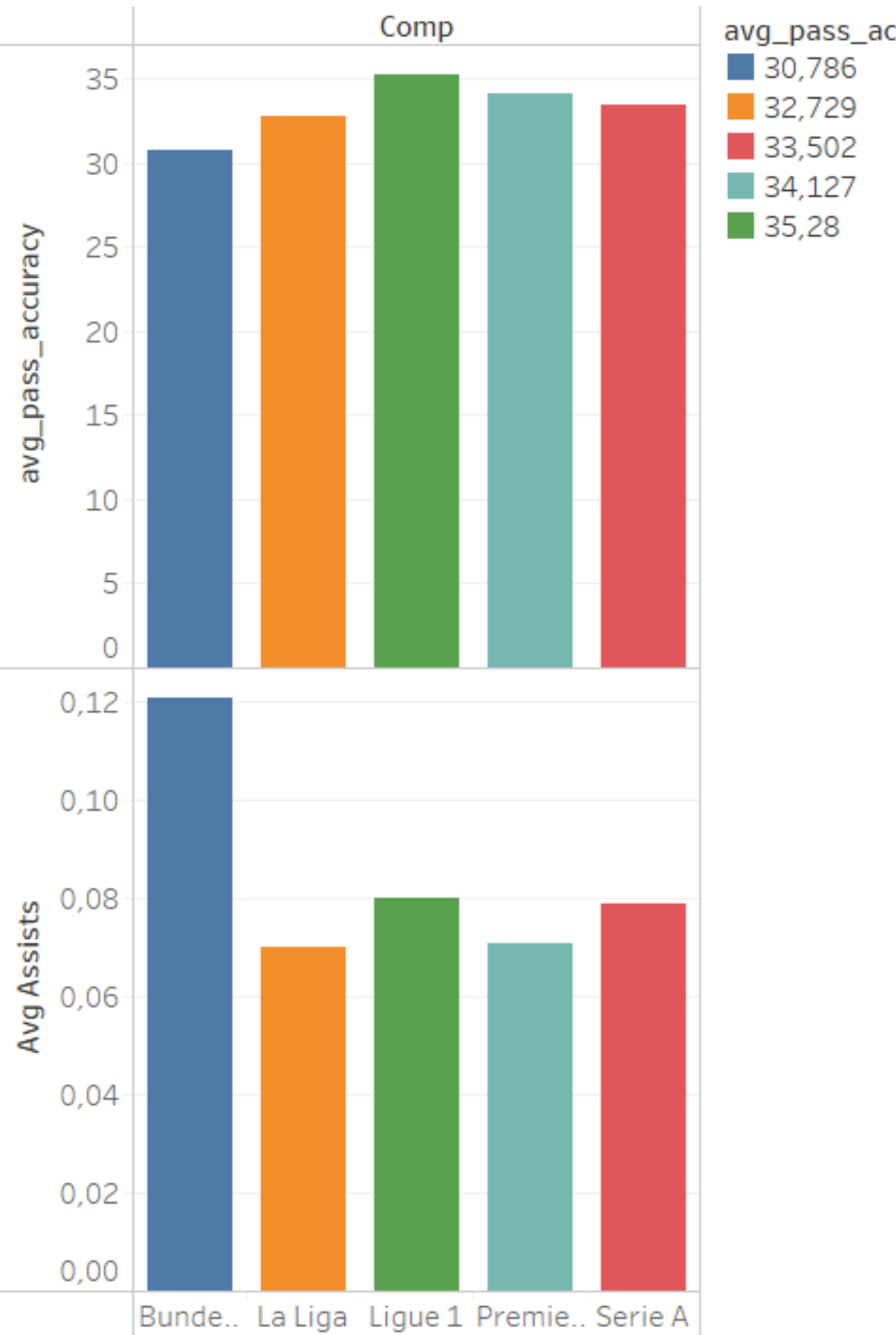
Players with high passing accuracy (0.087) tend to have a slightly higher average assists compared to those with moderate (0.075) or low accuracy (0.084).

The Bundesliga has lower passing accuracy but the highest average assists, while leagues like Ligue 1 and Serie A with higher passing accuracy have comparatively lower average assists.



Sum of Avg Assists for each  
Passing Accuracy Category. Colour

assists top 5 leagues



# MAJOR OBSTACLES

- We had a few obstacles in importing CSV files and we used Jason files instead to solve the problem
- We were unable to implement our schema design so we had one table
- We had issues in sharing files between ourselves

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# CONCLUSION&INSIGHTS

The initial questions that were raised during the project were answered through the insights provided in the case

With the Key insights that have been provided it is fair to say that there is a trend that players with a high pass accuracy will end up having higher average assists than other players.



**THANK YOU**

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