

Data Visualization with Matplotlib – Sports Statistics

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Introduction

- Visualize sports player performance statistics using Matplotlib.
- Analyze goals, assists, player positions, and age-performance trends.

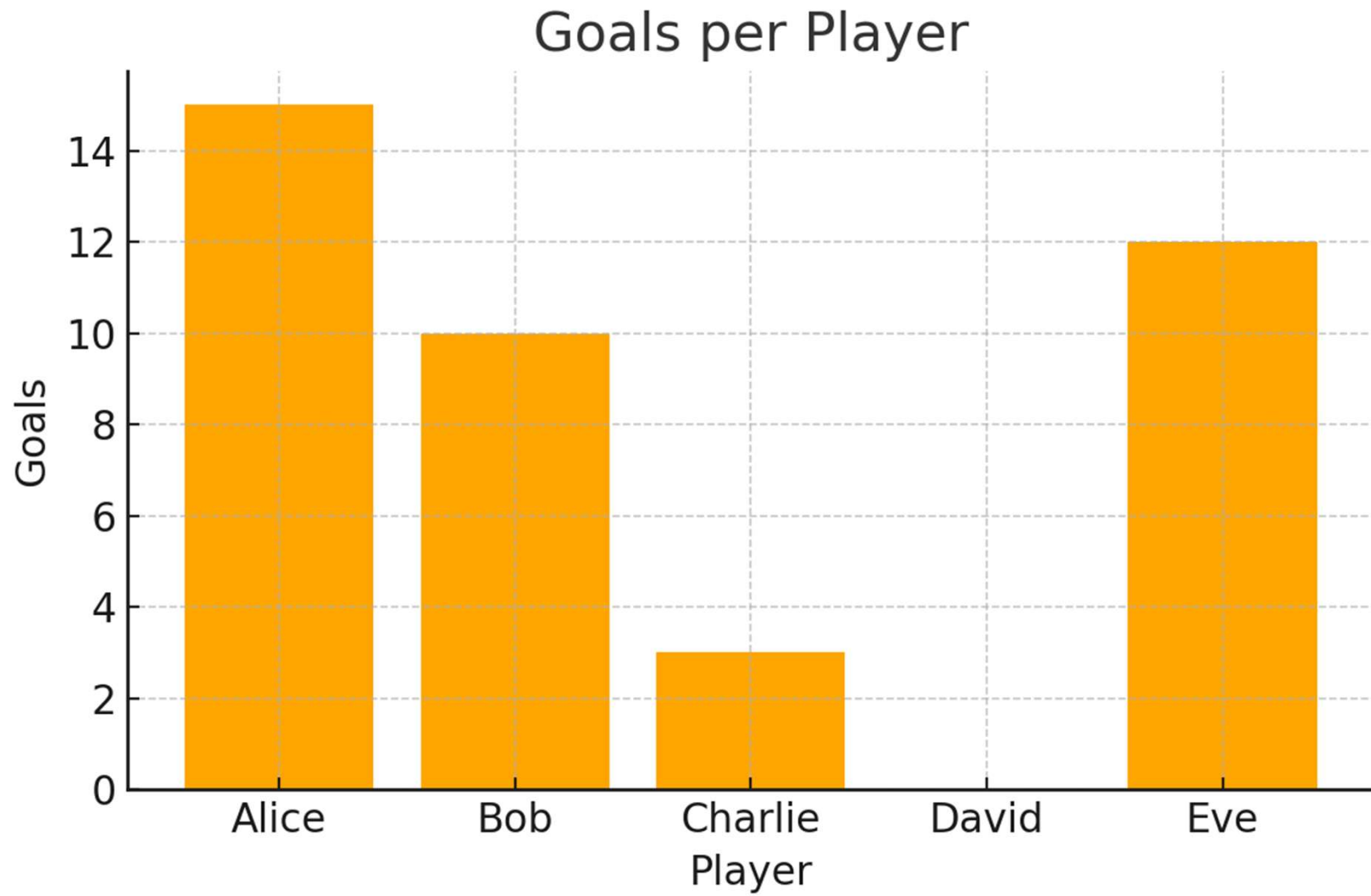
Dataset Overview

- PlayerID, Name, Position, Age, MatchesPlayed, Goals, Assists
- Derived: Performance (Goals + Assists)

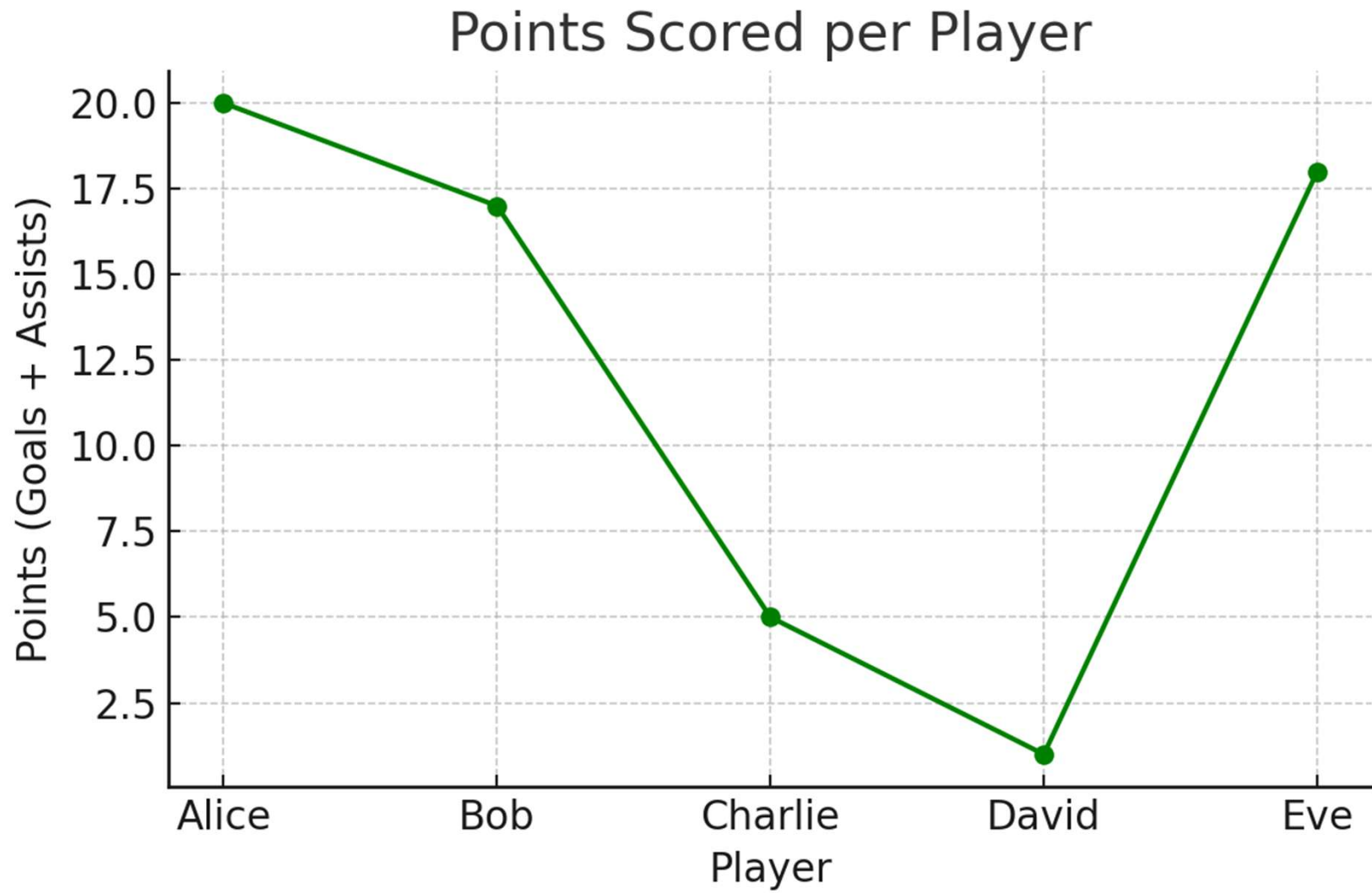
Tools & Libraries

- Python
- Pandas – Data handling
- Matplotlib – Visualization

Bar Chart – Goals per Player

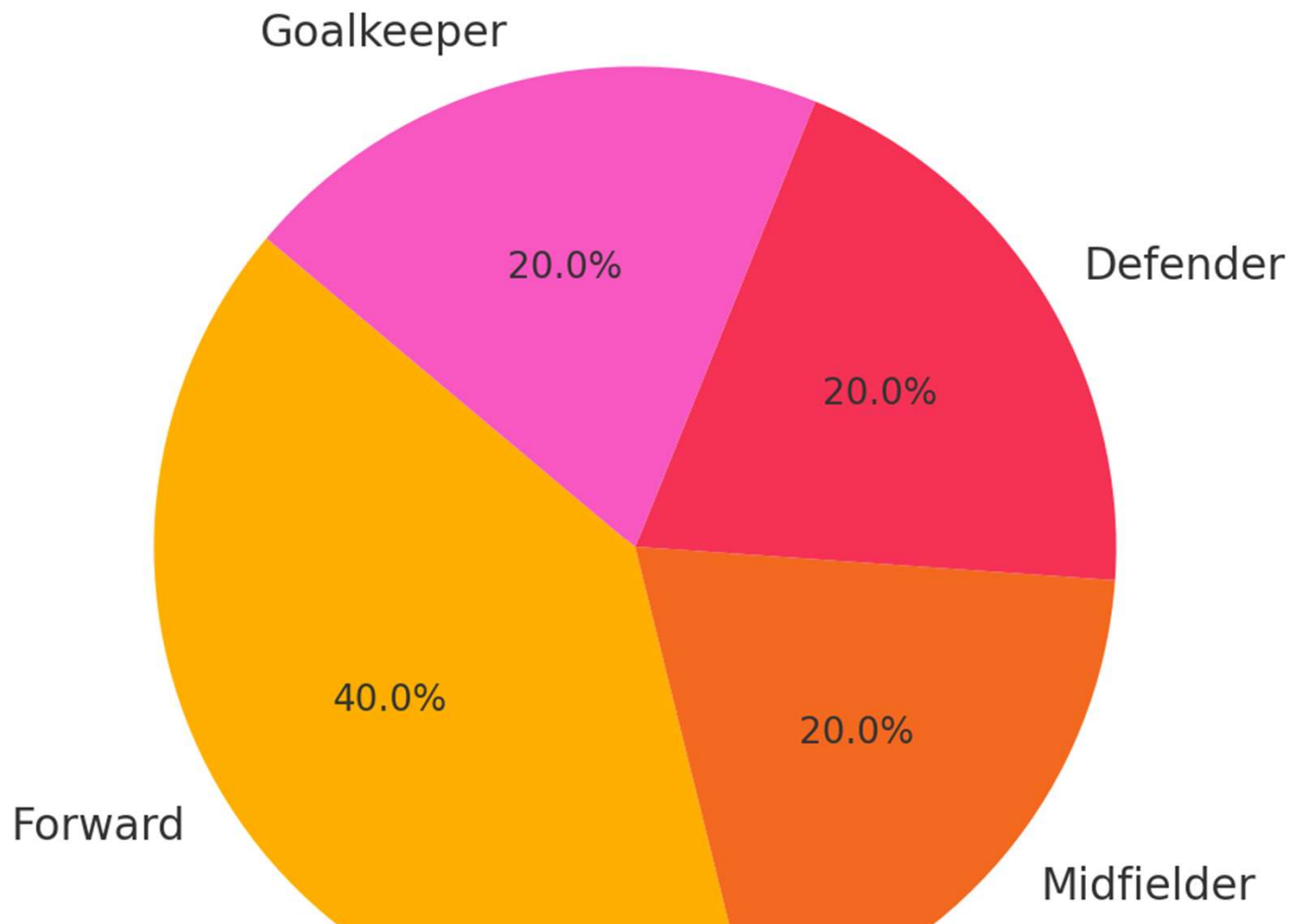


Line Chart – Points Scored per Player

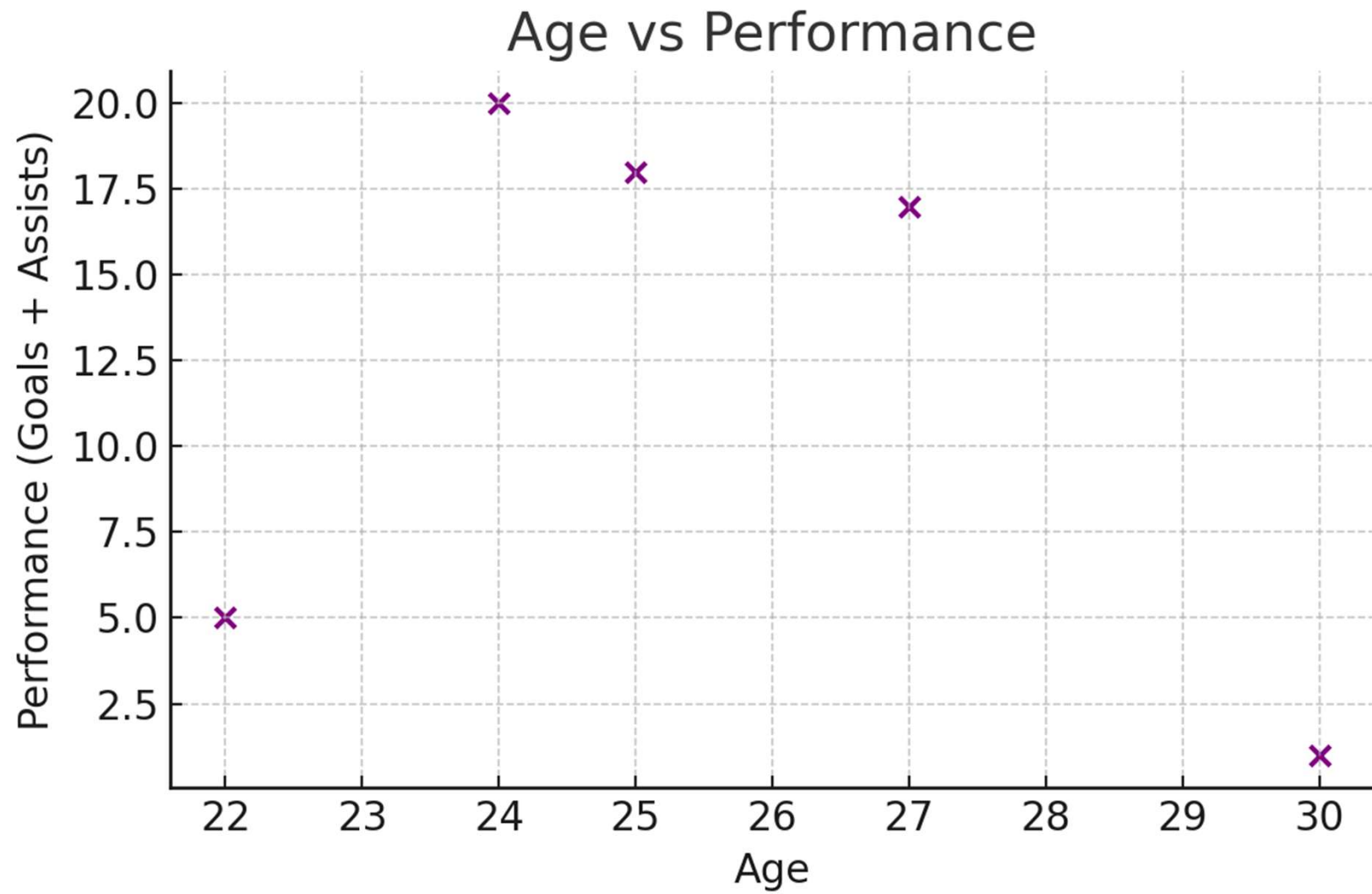


Pie Chart – Player Position Distribution

Player Position Distribution



Scatter Plot – Age vs Performance



Conclusion

- Forwards tend to have higher goals and performance.
- Age does not always correlate with performance.
- Midfielders contribute both goals and assists.

Thank You