

Streamlit Visualization of Bundesliga Data (2013/14 - 2019/20)

This streamlit visualization allows users to explore and analyze Bundesliga data from 2013/14 to 2019/20 season in an interactive way. It includes a matchfinder, analysis per team, analysis per season, analysis per matchday and correlation of game stats.

Running the Visualization

To run the visualization, you will need to have Python 3 and the following dependencies installed:

streamlit
pandas
numpy
matplotlib
seaborn

You can install these dependencies using pip:

```
pip install streamlit pandas numpy matplotlib seaborn
```

Once the dependencies are installed, you can run the visualization by navigating to the directory containing the app.py file and running the following command:

```
streamlit run app.py
```

Features and Capabilities

The visualization includes the following features:

- Matchfinder that shows details of matches with minimum/maximum stats by team(s).
- Interactive chart that shows analysis per team and changes as users adjust input parameters.
- Interactive chart that shows analysis per season and changes as users adjust input parameters.
- Interactive chart that shows analysis per matchday and changes as users adjust input parameters.
- Filtering and sorting options that allows users to focus on specific teams or seasons.