Saban Akay, Ioan Gulyas, Ardit Luzi, Tobias Haider

Data-oriented programming

8th of December 2022

Exercise 2 - Workplan

Topic

Soccer, one of the most popular sports in the world, was chosen as a project topic. There is a lot of quality data around, because the public interest in players, soccer teams and matches is high. Data analysis is typically performed to estimate odds of certain outcomes of the soccer matches, such as goals, wins, losses etc.

Example research questions

The data set contains information about individual soccer players, soccer teams, a match history and much more data.

Here a few potential research questions about soccer players:

- Who are the most influential players in certain teams or among all soccer players?
- How many matches do players typically participate in during their career?
- What attributes of players are linked to their roles in a soccer team?
- Is there an ideal height, weight for soccer players?
- How can a player be valued based on his match performance?

Milestones

- M1 (13th of December): First review meeting, workplan approved
- M2 (23rd of December): Project set up, data loaded, Pre-processing done
- M3 (8th of January): Every team member has analyzed 2 concrete research questions, created first visualizations
- M4 (23rd of January): Report and presentation slides handed in, contributions are documented in a separate section of the written report

Links

European soccer database: https://www.kaggle.com/datasets/hugomathien/soccer

Project github repository: https://github.com/arditluzi1/DoppExercise2