

Practical Workshop 1

Please read the next questions carefully, and solve all of them in the same order:

- Kindly open this web page:
<https://www.premierleague.com/stats/top/players/goals?se=-1>
and use Selenium to extract a dataset consists of:
players names, rank, number of goals, and their nationalities
- Kindly check the attached "*players_stats.json*" and work on converting it to a Pandas dataframe then work on extracting a dataset consists of:
players names, height, appearances, wins, losses, goals per match ratio, assists, yellow cards, red cards
- Kindly merge the above two datasets
 - By using Pandas or Orange
- For the merged dataset, please use Orange to visualize the following:
 - The relation between number of Wins and the number of scored goals
 - Heatmap and export a report writing your comments regarding the visualized dataset content
- Kindly do all the needed preparation (Encoding, Normalization)
- Export the prepared dataset as CSV

Please deliver the following:

- Jupyter Notebooks, and save it as HTML & Python also
- Orange ows files, and screenshots of each part of the work done on it
- Output CSV file