Analyst Intern, Data Science & Solutions Project

Outline

Investigate player awards and stats in the National Basketball Association.

You have been provided the necessary data to complete this project in the Box folder link provided in the email which accompanied this brief. You will not need any external sources of data or information beyond those provided to you. Please use R (preferred) or Python as the primary programming language to complete this project. Your work must be your own and original.

The following is an outline of the provided datasets:

1) award_project_template.rmd / awards_project_template.ipynb
   - .rmd (R) and .ipynb (Python) containing all questions required to complete the project
2) awards_data.csv
   - Dataset containing player awards from 2007-2021
3) team_stats.csv
   - Dataset containing team measures from 2007-2021
4) player_stats.csv
   - Dataset containing player measures from 2007-2021
5) team_rebounding_data_22.csv
   - Dataset containing team offensive rebounding from 2022
6) data_dictionary.txt
   - Definitions for each column included in the above datasets

Assessment

Your submission will be assessed on the following criteria:

1) **Code:** Modularization, reproducibility, readability, conciseness & commentary
2) **Visualization:** Usefulness & effectiveness
3) **Model:** Sound theory & judgement
4) **Communication:** Ability to explain reasoning clearly & effectively

Deliverables

Please complete the project by the allotted deadline and share your submission via the Box link provided in the email which accompanied this brief. Your submission should consist of a compressed zip file with a naming convention of "Last Name, First Name (Email)". For example, Smith, Jane (jsmith@xyz.com). Your name and email must match what is stated on your application. The compressed zip file must contain the following deliverables:

1) A single .rmd (R) or .ipynb (Python) containing the responses to the project questions
2) A single .html containing the knitted output of the .rmd (R) or .ipynb (Python)