

INST 326 Final Project

Group Name: 4Pe

Group members:

Bryant Pham, Dante Caraballo, Farhaan Lalit, Justin Long, Jonathan Ricci

Files in Repository-Purpose

4Pe_Final_Project.py- Final project code

Player_stats.csv- player stats csv file used to test code

Team_stats.csv- team stats csv file used to test code

How to input in the command line:

python(3) 4Pe_Final_Project.py -name1 “(optional full team/player name 1)” -name2 “(optional full team/player name 2)”

Note: Player and team name must be in full

How to interpret output:

The code should display statistics and data for a user, the user only needs to read the data and evaluate if they agree with the analysis

Attribution:

Bryant Pham:

Methods:

- a. Init
- b. Stats
- c. Parse_args (argument parser class)
- d. Main (Regular Expressions)

Techniques:

- a. Regular expressions
- b. Argument parser class

Dante Caraballo:

Methods:

- a. Best_offense (Keyword argument)
- b. Best_defense (Groupby)

Techniques:

- a. Groupby
- b. Keyword argument

Farhaan Lalit:

Methods:

- a. Comparison (Boolean Indexing)
- b. Mvp_predict (Pyplot)

Techniques:

- a. Pyplot
- b. Boolean Indexing

Justin Long:

Methods:

- a. Best_team (Fstring)
- c. Worst_team (Conditional expression)

Techniques:

- a. Fstrings
- b. Conditional expresion

Jonathan Ricci:

Methods:

- a. Top_players
- b. Bottom_players (Lamda expression)
- c. __str__ (Magic methods)

Techniques:

- a. Lambda expressions
- b. Magic methods

Annotated Bibliography:

Basketball Statistics & History of every Team & NBA and WNBA players. Basketball.

(n.d.). Retrieved December 1, 2022, from <https://www.basketball-reference.com/>

Pandas dataframe: To_string() function. w3resource. (n.d.). Retrieved December 14,

2022, from

https://www.w3resource.com/pandas/dataframe/dataframe-to_string.php