Lab #7

Instructions

With lab #7, your group will write a python program to demonstrate different methods for handling missing value. In this task you will modify the missing values and report what changes in the distribution after the modifications are made.

Submission Requirements

- Python .py file with no markdown language. Only Python Code and comments.
- Group Assignment: Only 1 assignment needs to be submitted for each group.
- You should seek to reduce redundancy in your code.
- Your code should exercise good judgment for displaying output to the user.

Task

- File: http://drd.ba.ttu.edu/isqs3358/Labs/Lab7/team_missing_data.csv
- Handle missing values for the following columns:
 - points_scored
 - o points_allowed
 - opposing_team
- Report the following column metrics after handling the missing values:
 - o Mean
 - Median
 - Variance
- Use each of the following methods to handle the missing values:
 - Round 1:
 - Drop all NA Records
 - Round 2:
 - Numerics fill with 0
 - Textual with "-default-"
 - Round 3:
 - Numerics fill with Column average
 - Textual with "-default-"
 - o Round 4
 - Numerics fill with team id based average
 - Textual with distribution sampling

Notes and Hints

• You will need to refresh the dataframe after each round.

Example

```
| Task #1 DropNA Method | Second | Seco
```

Figure 1: Displays outputs for Round #1 & Round #2

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Nonsers of the points_scored of 1.185185 of 3.88889 disperior of the points_scored of 3.88889 disperior of 3.88889
```

Figure 2: Displays outputs for Round #3 & Round #4