

Revision Exercise #1

MA103 25 SEP 2025

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Rewrite the following examples to improve the submission quality

1. **Purpose** *Clear, concise statement of the problem and why it matters.*

Provide more details on the problem background—for example, a few more details on the data set like years covered.

The objective of this lab was to identify the NBA players who could be considered the Greatest of All Time (GOAT) by analyzing leaders in key statistical categories using descriptive statistics.

2. **Methodology** *Concisely summarizes modeling approach, assumptions, and variables; reasoning is logical.*

Next time provide more detail on what each selected variable is, and why it was selected.

One of the most important modeling decisions I made was selecting the variables to include—Touchdowns (TD), Passer Rating, Interceptions (INT), and Touchdown Rate—because this choice shaped the rest of the analysis. My approach was to calculate the Z-score for each category (TD, INT, etc.) and then sum these Z-scores to create a cumulative performance score for each season. Using this cumulative score, I identified the top 31 seasons across all quarterbacks and then determined which quarterback appeared most frequently to account for longevity. My underlying assumption is that the selected metrics accurately represent overall quarterback greatness.

3. **Recommendation** *Clear discussion of results..*

Reference your graphs and provide some clear numbers supporting your claim.

Based on the data, it is evident that Tom Brady stands out as the Greatest of All Time (GOAT). The next closest competitor was not within a significant range to be seriously considered for this title.
