

# **Game Statistics Ranker/Analyzer**

Project Proposed for Computer Science 2

S.Y. 2025 - 2026

by:

Bongotan, Jedrik Alexis, E.

Ronquillo, Kyle Russell, E.

Villanueva, Dean Lhoerd, Q.

Department of Science and Technology: Philippine Science High School: Cordillera

Administrative Region Campus

October 8, 2025

## **I. Problem Statement**

- We need to find the statistics, ranking based on the Performance Efficiency Rating of a specific NBA player. The program allows the user to input a NBA player's name and the program will automatically give his stats and his Performance Efficiency Rating (PER) and his ranking. This program will help those who are not updated on what is happening in the NBA learn more on what is happening in the league.

## **II. Project Objectives**

- Our first objective is to connect the program to the data in the CSV file.
- Our next objective is to let the program recognize the user's input and output their corresponding data like their average statistics, their Performance Efficiency Rating and their ranking.

## **III. Planned Features**

- One feature that can be found in our program is the calculation of PER (Performance Efficiency Rating).
- The Second feature that can be found in our program is the rating of the player, if the player's PER is below 15, he is considered below average, if it is equal to 15, they are considered average and above 15 is considered above average.

#### **IV. Planned Inputs and Outputs**

- The user will give a player's name, the system will give the statistics of the player and will calculate those stats so it can give its corresponding PER (Performance Efficiency Rating) result.
- The program will output their stats like their Points, Assists, Blocks, Rebounds, Fouls Drawn, and Turnovers and more. The Program will output the player's PER (Performance Efficiency Rating) and his ranking: Below Average, Average or Above Average.

#### **V. Logic Plan**

##### **A. Step 1.**

- First, the code will ask for an input for "playerName" using the string: "What NBA player do you want to research about?".

##### **B. Step 2.**

- Then, the user will input an NBA Player's name.

##### **C. Step 3.**

- Next, the program will use the CVS file and find the corresponding stats of the player.

**D. Step 4.**

- Fourth, the program will process the information that it got from the CVS file to get the PER.

**E. Step 5.**

- After the program processes the information given, it will find the PER for the specific player that was named by the user.

**F. Step 6**

- Lastly, once the user receives the data and he will now know about the stats of the player and how good the player is according to his ranking.