Data Dictionary

By understanding the data dictionary, one can gain insights into the diverse aspects of a player's performance, encompassing scoring, shooting accuracy, defensive contributions, playmaking skills, and more. The dataset provides a detailed look at how each player contributes to their team's success on the basketball court.

The dataset focuses on NBA (National Basketball Association) players, providing a snapshot of their performance over season 2023. These statistics cover a range of performance indicators, such as points scored, field goals made and attempted, free throws made and attempted, three-pointers made and attempted, rebounds, assists, steals, turnovers, and blocks. Each row in the dataset corresponds to an individual player, and the columns represent different aspects of their performance.

Column Names	Description
player_id	This column serves as a unique identifier for each player in the dataset. Each player has a distinct player_id, allowing for easy reference and identification.
player_firstname	The player's first name, providing personal identification for each individual in the dataset. It helps distinguish players who may share the same last name.
player_lastname	The player's last name, complementing the first name for complete player identification.
pos	Represents the player's position on the basketball court. The positions include: • PG (Point Guard): Typically, responsible for setting up plays and distributing the ball. • SG (Shooting Guard): Often a primary scorer and proficient at shooting from long range. • SF (Small Forward): Versatile players contributing in scoring, rebounding, and defense. • PF (Power Forward): Combines scoring with strength and rebounding close to the basket. • C (Center): Primarily responsible for rebounding and protecting the rim.

points	Total points scored by the player in games during the specified period. It reflects the player's offensive contribution.
fgm (Field Goals Made)	The number of successful field goals, indicating the player's accuracy in shooting from the field.
fga (Field Goals Attempted)	The total number of attempts at field goals, providing context to the success rate captured by FGM.
ftm (Free Throws Made)	The number of successful free throws, showcasing the player's proficiency at scoring from the free-throw line.
fta (Free Throws Attempted)	The total number of attempts at free throws, giving insight into the player's frequency of reaching the free-throw line.
tpm (Three-Pointers Made)	The number of successful three-point shots made, highlighting the player's long-range shooting ability.
tpa (Three-Pointers Attempted)	The total number of attempts at three-pointers, providing context to the success rate captured by TPM.
offReb (Offensive Rebounds)	The number of rebounds collected on the offensive end, showcasing the player's ability to retrieve missed shots for their team.
defReb (Defensive Rebounds)	The number of rebounds collected on the defensive end, indicating the player's contribution to preventing the opponent's second-chance opportunities.
totReb (Total Rebounds)	The total number of rebounds (offensive + defensive), reflecting the player's overall rebounding capability.
assists	The total number of assists made by the player, demonstrating their playmaking and facilitating skills.
pFouls (Personal Fouls)	The number of personal fouls committed by the player, indicating their defensive aggressiveness and potential limitations.
steals	The total number of steals made by the player, showcasing their defensive ability to take the ball away from opponents.
turnovers	The total number of turnovers committed by the player, reflecting potential challenges in ball control or decision-making.
blocks	The total number of shots blocked by the player, highlighting their defensive presence and shot-contesting ability.