



# The Impact of Star Players on Team Performance: LeBron James & Anthony Davis

*How do they elevate team performance?*

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Presented by  
**Yuewen Su, Tzu-Ching Chen, Yu (Eason) Tsao**

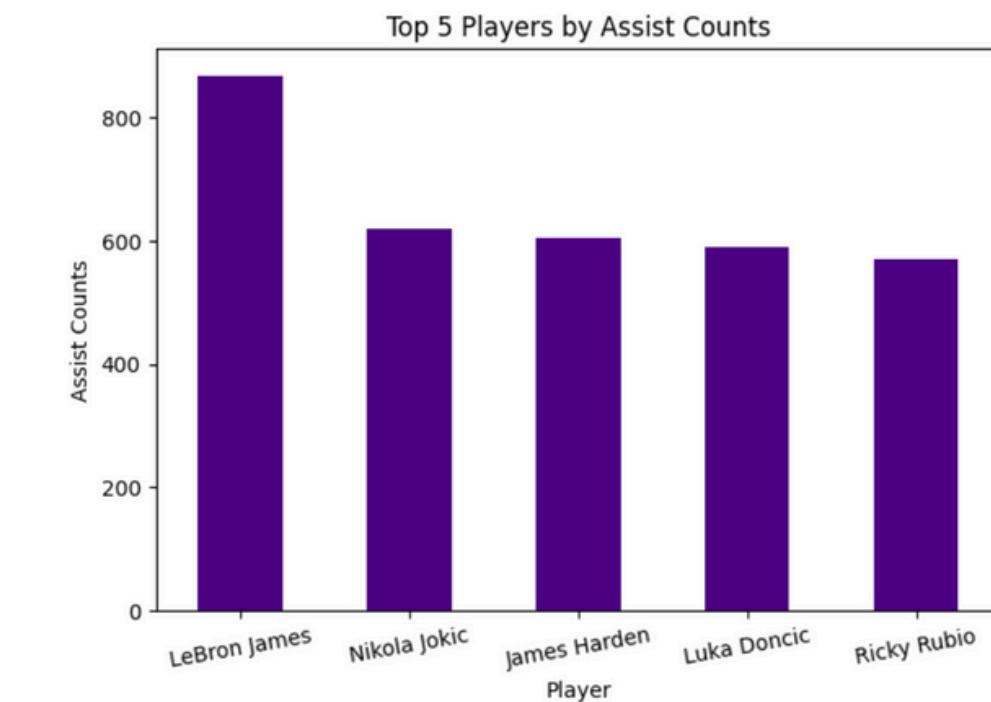
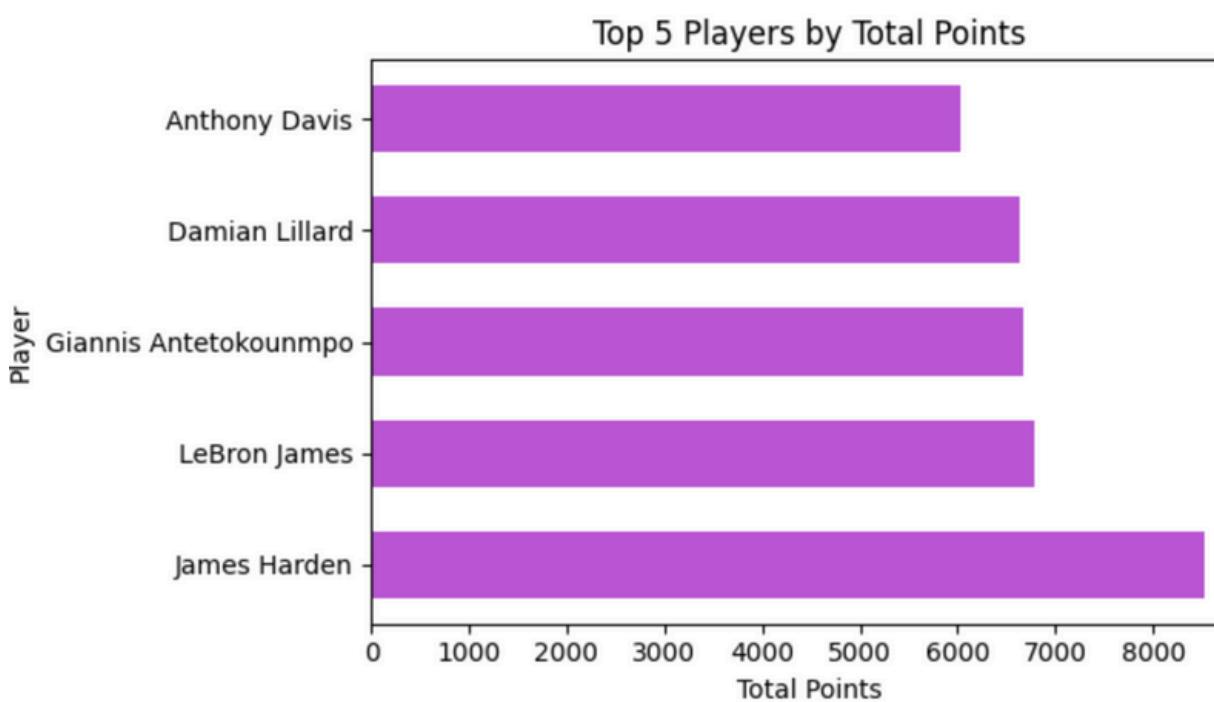




# The Reasons Why We Chose LeBron James & Anthony Davis



- **LeBron James has the highest assist count**, showcasing his exceptional playmaking abilities and his significant role in facilitating scoring opportunities.
- **Anthony Davis leads in points**, indicating his scoring prowess and ability to contribute significantly to the team's offensive output.
- Analyzing their impact together on the same team provides valuable insights into how their skills and teamwork contribute to the performance and success of the team.
- In the following analysis, we used the **data from 2019-2020** because that's the only season that they are both on the same team.

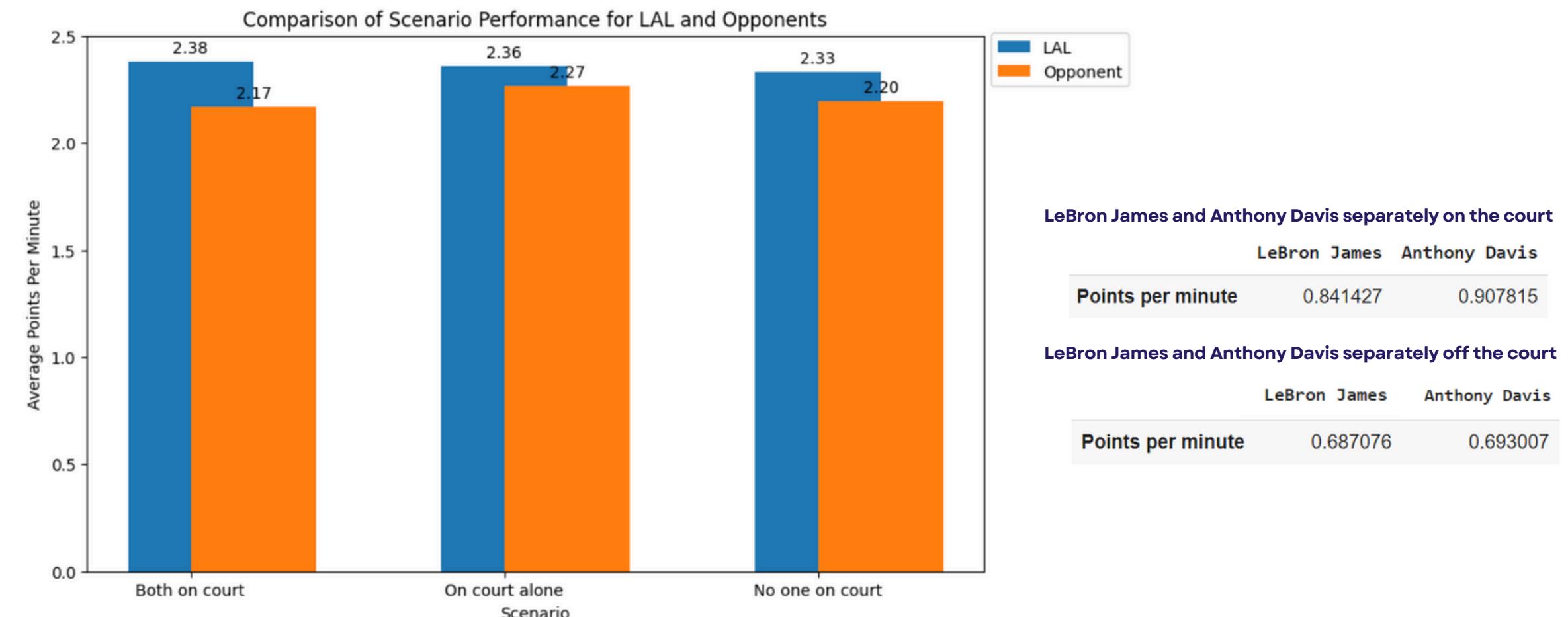


*Part A) How does a team best use a “power partnership”?*

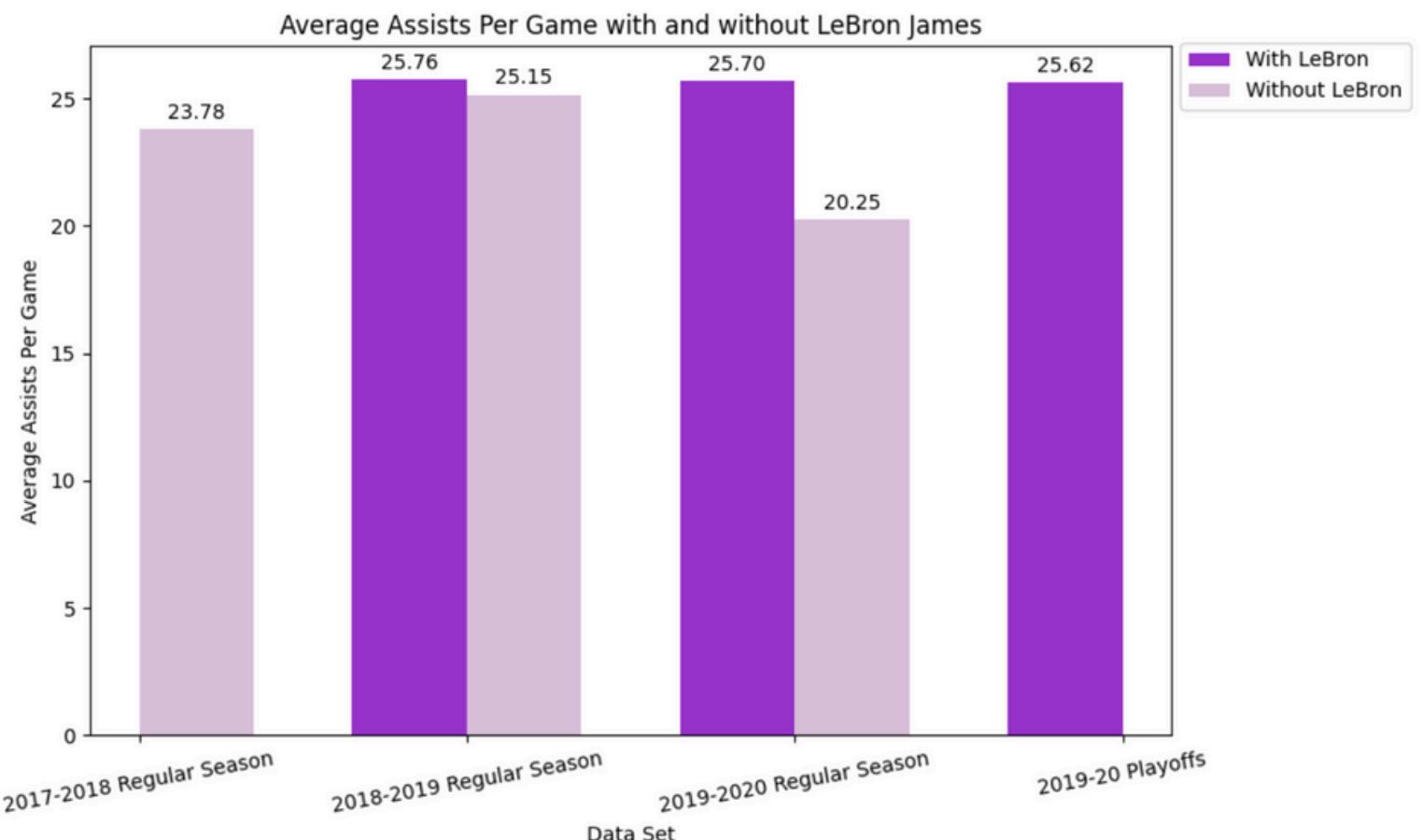
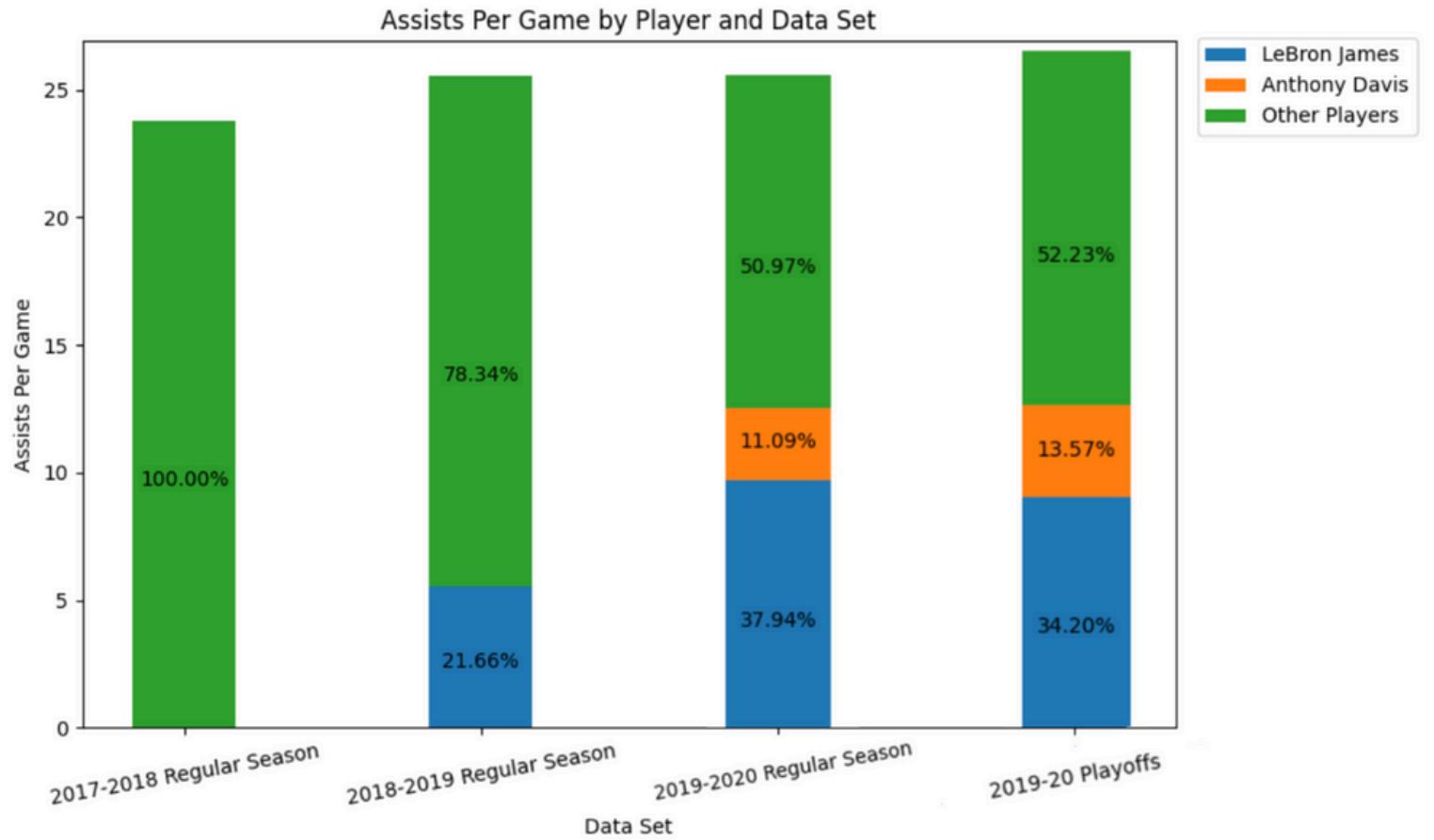


# The More, The Better

- With both star players, LeBron James and Anthony Davis, on the court simultaneously, there's a notable increase in the average points scored per minute by Lakers.
- Simultaneously, opponents face intensified defensive pressure, resulting in a considerable decrease in their average points scored per minute.
- Therefore, strategically deploying both players concurrently maximizes the team's offensive output while simultaneously imposing defensive challenges on the opposition.



## Part B) Do great players make their teammates better?



# Assists Per Game Analysis

## LeBron James Assists Contribution

- LeBron James' inclusion in the team led to an increase in the overall average assists per game
- LeBron's ability to facilitate assists effectively may enhance the team's offensive performance by creating more scoring opportunities for his teammates.

## Average Assists per Game (With vs. Without LeBron James)

- The team experienced a noticeable uptick in the average assists per game when LeBron James participated.
- This higher contribution from LeBron implies that his teammates may experience less pressure from the opponents when he is on the court.

*Part B) Do great players make their teammates better?*

# Win Rate Analysis



- LeBron James and Anthony Davis boost the Lakers' win rate to 75%, demonstrating their significant impact on the team's success.
- Without them, the win rate falls to 50% and 67%, indicating their vital role in both offense and defense.
- In essence, the duo's presence is instrumental in turning the Lakers into a formidable force, proving that star players are indeed a catalyst for enhancing team success.



75%

LeBron James  
On the Court



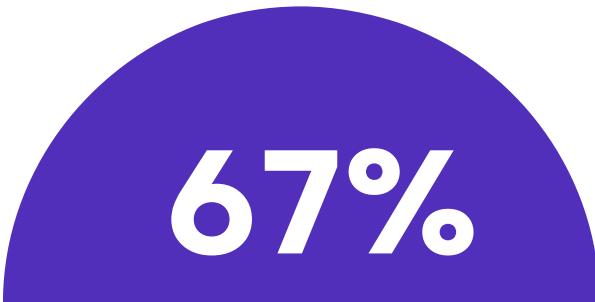
50%

LeBron James  
Off the Court



75%

Anthony Davis  
On the Court



67%

Anthony Davis  
Off the Court



# Thank You

