

# Lerner Sports Stats



## BASEBALL

Pittsburgh Pirates outfielder Roberto Clemente had exactly 3,000 hits in his career. He played for the Pirates for 18 seasons. But how many hits did he average each season? To figure it out, divide the total number of hits by the number of seasons played.

$$3,000 \div 18 = 166$$

Clemente averaged 166 hits per season during his career. Try it yourself. After the 2022 season, Mike Trout had 1,543 hits in 12 seasons with the Los Angeles Angels. How many hits does he average per season?

Search the database to find other career hit totals and calculate their rates.



## FOOTBALL

To judge a running back's season, fans look at the total number of yards the player gained that year. In 2022, New York Giants running back Saquon Barkley had his best season yet. He averaged 82 rushing yards per game. He played in 16 games that season. How many total yards did he rush for?

**Hint:** Multiply Barkley's average rushing yards by the number of games he played.

How does Barkley's season total compare to the totals of other running backs in the database?



## BASKETBALL

Shooting percentage is a stat that measures how accurate players are with their shots. If a player takes 10 shots in a game and makes 5 of them, their shooting percentage is 50 percent. You can find shooting percentage by dividing the number of made shots by the number of shot attempts.

$$5 \div 10 = 0.50$$

What would the player's shooting percentage be if they made 3 shots instead of 5?

Players such as centers who play close to the basket often have the best shooting percentages. Can you find players in the database who have good shooting percentages?



## SOCCER

It's hard to score goals in soccer. How often do the best soccer players score? Alex Morgan is a superstar for the US Women's National Team. In 207 games with the team, she has 121 goals. She scores in about 58 percent of the games she plays. To find the percentage, divide the number of goals by the number of games.

$$121 \div 207 = 0.58$$

Megan Rapinoe has scored 63 goals in 199 career games. What is her goal-scoring percentage?

Compare Morgan and Rapinoe to other soccer stars you find in the database.



## HOCKEY

In hockey, assists are just as important as goals. When a player scores a goal or makes an assist, they receive one point.

One way to measure the skills of hockey players is to compare their points. Most fans consider Wayne Gretzky to be the greatest NHL player ever. He had 2,857 career points, including 894 goals. How many assists did he have?

The NHL's current points leader plays for the Edmonton Oilers. Can you find him in the database?



## MORE SPORTS

The Daytona 500 is a famous NASCAR race. It takes place each year in Daytona Beach, Florida. A lap is one trip around the racetrack. Each lap at Daytona is 2.5 miles long. To reach the finish line, drivers must travel 500 miles. How many laps do they drive?

**Hint:** Divide the total miles by the miles for each lap.

The Daytona 500 is one of many famous auto races. Find more races in the database and see what it takes to win them.



## TENNIS

To win pro tennis matches, players hit the ball as hard as they can. Tennis star Naomi Osaka hits the ball with power. Her shots often fly faster than 115 miles per hour. If Osaka hits 3 shots that travel 115, 119, and 125 miles per hour, what is her average shot speed?

**Hint:** To find the average, add up the numbers and divide by 3.

Most tennis stars hit the ball fast. But some find other ways to win. Compare Osaka's style to the styles of other tennis stars in the database.



## OLYMPICS

Gymnasts receive two scores when they compete. They get one score for how difficult their moves are and another score for how well they perform them. Add the two scores to get the final score. For example, a gymnast might receive 4 for difficulty and 6.5 for performance. The final score is 10.5.

Try it yourself. Imagine Simone Biles competing on the balance beam. She scores 6 for difficulty and 7.5 for performance. What is her total score?

Search the database to find high-scoring gymnastics performances.

## ANSWERS

MORE SPORTS  
200 laps  
13.5

HOCKEY  
1,963 assists  
119 mph

FOOTBALL  
1,312 yards  
31 percent

BASKETBALL  
128 hits  
30 percent

Lerner SPORTS