

Basketball Assignment

According to the data, which team had the highest Win-loss percentage (WL%)?

- The Boston Celtics had the highest Win Loss Percentage of 69.5%. They won a total of 57 games out of the 82 they played in the regular season.

According to the data, which team had the highest Field Goal Percentage (FG%)?

- The Brooklyn Nets had the highest Field Goal Percentage of 48.7%.

What is the Average Points per Game for the State University, i.e., your Mom's favorite team, during the most recent season?

- The APPG of the New York Knicks is 116.

What is the Average Turnovers per game for the Other Team, i.e., your Uncle's favorite team, during the most recent season?

- The APPG of the Brooklyn Nets is 113.4

According to the data, which team had the best performance in the most recent season when it comes to Turnovers?

- The New York Knicks only gave up 12.99 turnovers per game (the least amongst the three teams chosen).

What were the two additional performance indicators that you selected?

- I selected the Steal and Defensive Rebounds stats.

Why did you choose these indicators and which team performed the best according to these indicators?

1. I chose Steals because the ability to take a scoring opportunity from your opponent will mean that you will have more opportunities to score and your opponent will have less opportunity to score.

2. Defensive rebounds are similar to steals because they take a missed opportunity (mistake) from the opponent and then lead to opportunities to convert that score for yourself.

According to your spreadsheet, which performance indicator do you think is the most important for this analysis and why?

- The performance indicator that I think might be the most important is some combination of Points and Turnovers. The goal of the game is to score more than your opponent. Teams that score more will win more games. I also think that when teams make less mistakes (turnovers), they are less likely to be creating additional scoring opportunities that can hurt them in the end.

Among the three teams, which team do you think performed the best during the season and why?

Please explain your answer using information from the analyses you conducted on the spreadsheet.

- The best team that I analyzed is clearly the Celtics. I think this is due to their ability to score at a higher level than most of the other teams in the league (117.9 APPG). Amongst the three teams that I analyzed, they also have the highest amount of defensive rebounds.

National Parks Project

1. What are the parks located in the state that you selected?
 - a. Martin van Buren NHS & Statue of Liberty NM (New York)
2. How many people visited the parks in the state that you selected during the most recent calendar year? Please create ONE chart that provides the answer(s) to this question.
 - a. Chart provided by website. Labeled “NY Annual Visitors”.

3. What is the percentage of visitors at each location? In other words, what were the compositions of NPS visitors in the selected state by location? Please create ONE chart that provides the answer(s) to this question.
 - a. Available in NY Annual Visitation chart (Column F). There is also a pie chart available that breaks down the percentages visually.
4. When was the most popular time, i.e., month, to visit the top three parks in the state during the current calendar year? Please create ONE chart that could provide the answer visually. This chart should show the number of visitors for each location for each month.
 - a. The sheet labeled “Monthly (2019)” highlights that for all three locations, July was the busiest of the month.
5. Discussion: What type of Excel chart did you choose to create in order to provide an answer to each question? Why did you select this chart type? Please explain your answer.
 - a. I used one pie chart and many bar graphs. I chose to use a pie chart in order to give a visual representation of which locations were receiving the biggest shares of visitations. The bar graphs, in my opinion, were a good way to visually represent which month tends to be the most busy of the year.

GSS Data

1. What was the Total Sales figure included in this data set?
 - a. 14915600.82
2. Which Product Category had the highest sales?
 - a. Technology
3. Which Region had the lowest sales?
 - a. Nunavut
4. What was the Total Sales of Appliances in Ontario?

- a. 202346.84
5. What was the Total Shipping Cost for Critical orders?
- a. \$21,112.68
6. GSS incurred the most shipping costs using which shipping method?
- a. Delivery Truck
7. Discussion: If the Delivery Truck is the most economical but the slowest shipping method and Express Air is the fastest but the most expensive one, do you think the company appropriately spent shipping costs based on the Order Priority? Please explain your answer.
- a. I believe that the company may have been better off using the Delivery Truck service for all orders that were low and some that were medium in priority. From there, the company should have used Regular Air to fly out orders that were of medium and high priority. Finally, they should have used Express Air solely to fly some high priority orders and most critical priority orders.
8. Which Small Business customer had the highest sales?
- a. Dennis Kane (75967.59)
9. Which Corporate customer placed the most number of orders in 2009- 2012? How many orders were placed by the Corporate customer?
- a. Roy Skaria (773 orders placed)
10. Which Consumer customer was the most profitable one?
- a. Emily Phan (117124.438)
11. What is the sales figure of the least profitable Home Office customer?
- a. Julia West (31154.38)