

Name _____

Copilot Data Analyst



Every number tells a story - sometimes it's about progress, and sometimes it's about a problem. Your job today is to uncover what the data is really saying, and you'll have a little help from Microsoft Copilot to check your math and spot trends. You'll work with two sets of data that show how things have changed over time, find the mean, median, and mode by hand, and then see what Copilot thinks the patterns mean. By the end, you'll know whether the trend looks like improvement, decline, or something in between - and whether AI agrees with your analysis.

Step 1: The Data - Below are two sets of data showing the average number of goals scored per game by a school soccer team in two different seasons.

Season 1 (Last Year): 2, 3, 1, 2, 0, 3, 2, 1, 1, 2

Season 2 (This Year): 3, 4, 2, 5, 3, 4, 4, 3, 2, 5

At first glance, does it look like the team improved? Write your first impressions here:

Step 2: Crunch the Numbers by Hand - Find the **mean**, **median**, and **mode** for each season using your own calculations. Show your work!

Season 1 Calculations: Mean: _____, Median: _____, Mode: _____

Season 2 Calculations: Mean: _____, Median: _____, Mode: _____

Now, compare your results. Which season seems stronger overall?

Step 3: Call in Copilot - Open Microsoft Copilot and type something like:

"Here are two sets of soccer data: Season 1 (2, 3, 1, 2, 0, 3, 2, 1, 1, 2) and Season 2 (3, 4, 2, 5, 3, 4, 4, 3, 2, 5). Can you calculate the mean, median, and mode for each season and describe the trend?"

Record what Copilot says below:

Did Copilot's results match your calculations? What differences did you notice, if any?
