

Writing a statistical paragraph

Every paragraph needs a statement, evidence, and context.



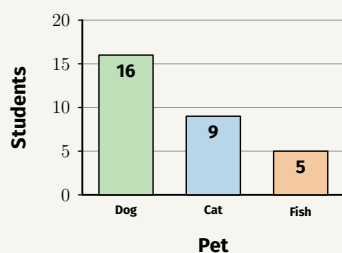
Name _____

Date _____

Statement, evidence, context

A statistical paragraph has three parts: a **statement** (a data-based claim, not an opinion), **evidence** (specific numbers taken directly from the data), and **context** (why the data matters). Read the display carefully before you write.

Worked example This bar graph shows a survey of favourite pets (30 students). Write a complete statistical paragraph.

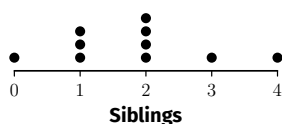


Statement: Most students in this survey prefer dogs to cats or fish.

Evidence: Of the 30 students surveyed, 16 chose dogs, 9 chose cats, and 5 chose fish.

Context: This could help a pet shop or vet decide which animals to stock information about.

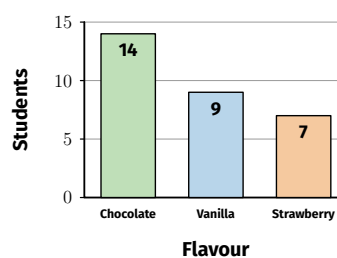
1. This dot plot shows the number of siblings for 10 students. Write a statistical **statement** describing what it shows.



Model paragraph

Most students in this class have 2 siblings, since 2 is the mode of the dot plot – 4 of the 10 students have exactly 2 siblings, more than any other number.

2. This bar graph shows a survey of favourite ice-cream flavours (30 students). Write an **evidence** sentence using the exact numbers shown.



Model paragraph

Of the 30 students surveyed, 14 chose chocolate, 9 chose vanilla, and 7 chose strawberry.

Writing a statistical paragraph (continued)

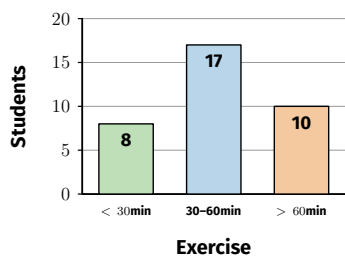
Evidence always needs exact numbers; context explains why the data matters.



Name _____

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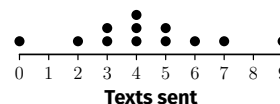
3. This bar graph shows minutes of exercise per day for 35 students. Write a **context** sentence explaining why this matters to a school.



Model paragraph

Understanding how much students exercise each day can help a school plan PE lessons, break times, or wellbeing programmes that encourage more movement.

4. This dot plot shows the number of texts sent yesterday by 12 students. Write a **statement** and an **evidence** sentence.



Model paragraph

Statement: Most students sent a moderate number of texts yesterday. **Evidence:** Of the 12 students, the number of texts ranged from 0 to 9, with 4 texts being the most common amount (3 students).

Writing a statistical paragraph (continued)

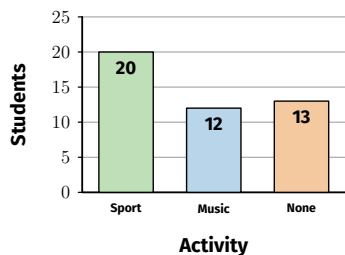
Write all three parts together, then critique and rewrite a weak paragraph.



Name _____

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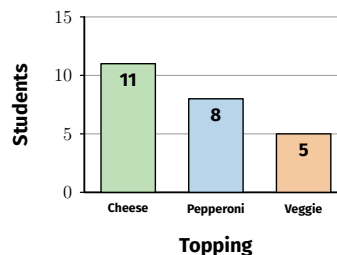
5. This bar graph shows a survey of after-school activities for 45 students. Write a complete **statement, evidence, and context** paragraph.



Model paragraph

Statement: Most students at this school do an after-school activity, with sport the most popular choice. **Evidence:** Of the 45 students, 20 do sport, 13 do no activity, and 12 do music. **Context:** This could help the school decide which after-school programmes to keep running or expand.

6. This bar graph shows a survey of favourite pizza toppings (24 students). Critique and rewrite this weak paragraph: "Pizza is great. Cheese got the most votes. Everyone loves pizza."



Model paragraph

The original is opinion ("Pizza is great", "Everyone loves pizza") with only one number. Rewrite: "Cheese is the most popular topping, chosen by 11 of the 24 students, compared to 8 for pepperoni and 5 for veggie. This could help the canteen decide which pizzas to stock most often."

Writing a statistical paragraph (continued)

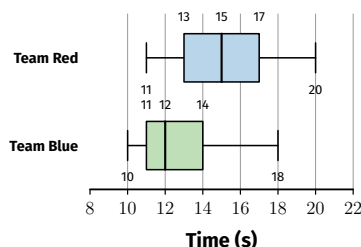
Comparing two distributions needs the median, the spread, and the context.



Name _____

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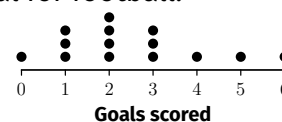
7. This box plot compares sprint times (seconds) for two relay teams. Compare the medians, the spreads (IQR), and refer to context.



Model paragraph

Team Red's median time (15s) is slower than Team Blue's (12s). Team Red's IQR ($17 - 13 = 4$ s) is a little wider than Team Blue's ($14 - 11 = 3$ s), so Team Red's times varied slightly more between runners. Team Blue trained more consistently, so a coach might focus on evening out pace across Team Red's runners.

8. This dot plot shows goals scored per game this season (14 games). Critique and rewrite: "The team scored some goals. It varies a lot. That's normal for football."



Model paragraph

The original gives no numbers. Rewrite: "The team scored a moderate number of goals per game this season, with 2 goals the most common result (4 of 14 games). Goals ranged from 0 to 6, showing real variation from game to game."