

# Writing a statistical paragraph

Every paragraph needs a statement, evidence, and context.



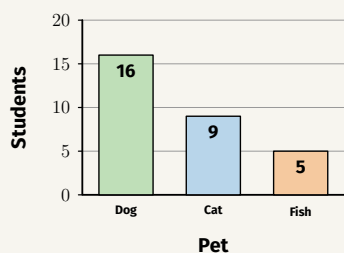
Name \_\_\_\_\_

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.

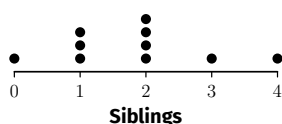


**Statement:** Most students in this survey prefer dogs to cats or fish.

**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.



**Your paragraph**

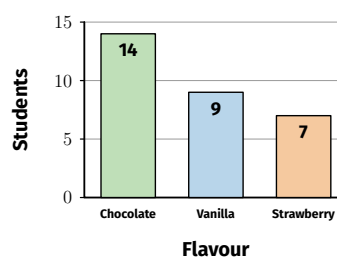
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**2.** This bar graph shows a survey of favourite ice-cream flavours (30 students). Write an **evidence** sentence using the exact numbers shown.



**Your paragraph**

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## Writing a statistical paragraph (continued)

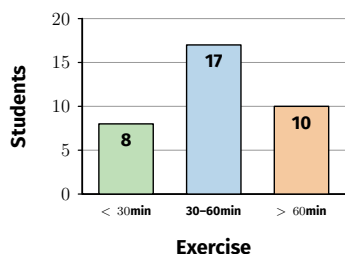
Evidence always needs exact numbers; context explains why the data matters.



Name \_\_\_\_\_

Date \_\_\_\_\_

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



Your paragraph

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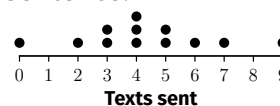
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4. This dot plot shows the number of texts sent yesterday by 12 students. Write a **statement** and an **evidence** sentence.



Your paragraph

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## Writing a statistical paragraph (continued)

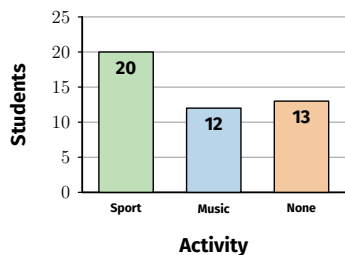
Write all three parts together, then critique and rewrite a weak paragraph.



Name \_\_\_\_\_

Date \_\_\_\_\_

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



Your paragraph

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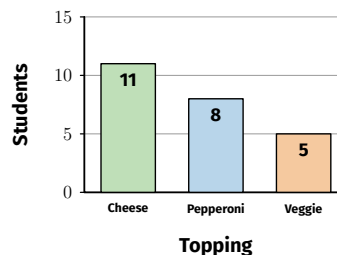
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6. This bar graph shows a survey of favourite pizza toppings (24 students). Critique and rewrite this weak paragraph: "Pizza is great. Cheese got the most votes. Everyone loves pizza."



Your paragraph

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# Writing a statistical paragraph (continued)

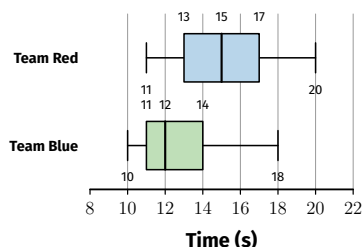
Comparing two distributions needs the median, the spread, and the context.



Name \_\_\_\_\_

Date \_\_\_\_\_

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



Your paragraph

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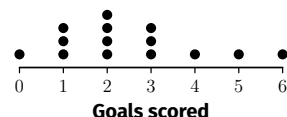
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8. This dot plot shows goals scored per game this season (14 games). Critique and rewrite: "The team scored some goals. It varies a lot. That's normal for football."



Your paragraph

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