# Making Choices about Data

Read each situation. Choose which kind of display makes more sense, then explain your choice.

1. A publisher markets books to one of seven age ranges. It collects and sorts data on customer ages. Which makes more sense: a line plot or a histogram?

2. Popular Plushies polls its customers about the next type of stuffed animal it should make. Which makes more sense: a circle graph or a line plot?



**4.** For a meeting, Mrs. Serrano gathers exam scores from across the district to summarize performance. Which makes more sense: a line plot or a box plot?

**5.** A polling company samples 5,000 households. It sorts them based on the number of people living together. Which makes more sense: a line plot or a histogram?

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Read each situation and consider any accompanying data. Choose which measure of center or variability makes more sense, then explain your choice.



8. One kind of glue loses strength outside a 100-degree temperature range. Mr. Williams checks his town's temperature data to decide if he can use it. Which makes more sense: range or interquartile range (IQR)?

#### **ANSWER KEY**

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A histogram makes more sense because of the number of data points.

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