



Dot plots

Every observation gets a dot

- Today: build and read a dot plot on a number line.

Ten students, how many pets?

• 0, 0, 1, 1, 1, 1, 2, 2, 3, 5

Turn & talk: how many dots will the plot have?

One dot per OBSERVATION

- Ten students $\rightarrow$ ten dots. Always.
- Position = the value. Height = how many.

Four dots above the 1

- That means four STUDENTS own one pet.
- It does not mean anyone owns four pets.

Height counts people. Position counts pets.

Keep the empty spaces

- Nobody owns 4 pets — but 4 still goes on the axis.
- A number line is evenly spaced, always.

Delete the 4 and the outlier disappears from view.

Your turn

- How many students own two or more pets?
- Thumbs up when you have it.

You can rebuild the whole list

- Read each stack, write its value once per dot.
- 0, 0, 1, 1, 1, 1, 2, 2, 3, 5 — every value recovered.

A dot plot loses nothing. Remember that when we meet histograms.

Now you

- → In-class practice sheet