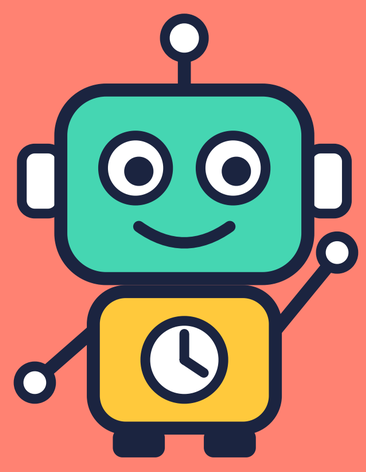
DATA LITERACY

Got a question? Ask the data.



Data literacy means using information to answer questions, and knowing when to trust it. These eight skills show you how.

1 Ask a good question

DATA

Start with a question that needs data.

ASK YOURSELF

What do I want to find out?

"What is our class's favourite fruit?"
Needs data: ask everyone.

"What did I eat today?"
One quick answer.

2 Collect the clues

SURVEY

Ask lots of people and tally the answers.

ASK YOURSELF

Did I ask enough people, the same way?

Dog	𝍸 |	6
Cat	𝍸	5
Fish	|||	3

3 Sort it out

CATEGORY

Put things that are alike into groups.

ASK YOURSELF

Which groups do these belong in?

	UNDER 20	20+
Even	8, 14	20, 34
Odd	7, 19	55, 61

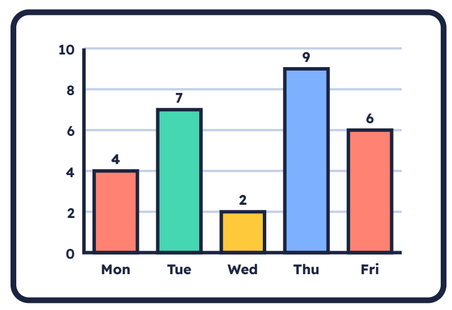
4 Picture the data

GRAPH

Draw the data so you can compare at a glance.

ASK YOURSELF

What picture shows this best?



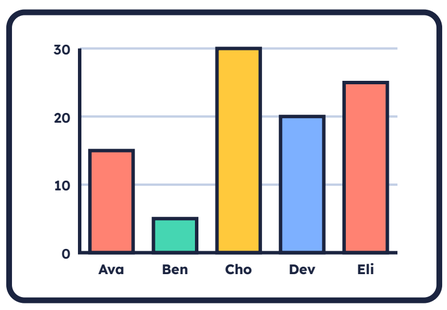
5 Read the graph

SCALE

Use the title, labels and scale as clues.

ASK YOURSELF

What do the title, labels and scale tell me?



6 Find what's typical

AVERAGE

Sum up the data with one number.

ASK YOURSELF

Which one number sums this up?

2 4 4 5 10

Mode 4 · Median 4 · Mean 5

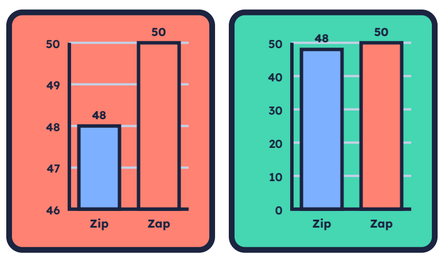
7 Don't be fooled

MISLEADING

Check whether a graph is playing a trick.

ASK YOURSELF

Is this graph playing a trick?



Same numbers, different scale.

8 What's the chance?

PROBABILITY

Work out how likely something is.

ASK YOURSELF

How likely is it?

Roll a 7: impossible

Roll an even number: even chance

Roll under 7: certain