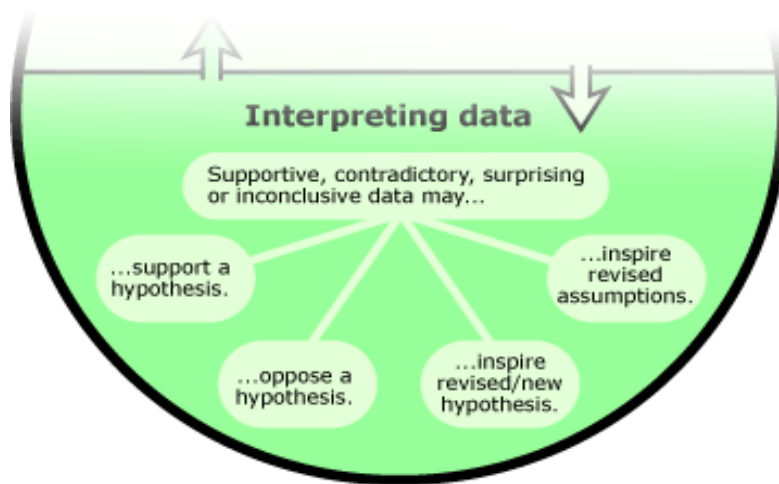


# Collate and Analyse

Now it's time to **Review** your data, and try to look at the results of your project research with a critical eye.

Ask yourself these questions:

- o Is it complete, or did you forget something?
- o Do you need to collect more data?
- o Did you make any mistakes?



Research and evidence might:

- **support** your project and proposed solution.
- help **rule out** other approaches.
- lead to revision, and maybe even a **Pivot**.
- reveal a **faulty assumption**, causing you to revise your assumptions and possibly redesign your project.
- be so surprising that a wholly new idea might prove to be more realistic, useful, or even better than your original idea.
- feed back into your project development in many ways. Most importantly, new evidence helps us evaluate ideas.

## Take some time to carefully review all of the data you have collected from your research:

- Use charts and graphs to help you analyse the data and patterns.
- Did you get the results you had expected?
- What did you find out from your research?
- Really think about what you have discovered and use your data to help you explain in your blog why you think certain things happened.

## Calculations and Summarising Data

Graphs are often an excellent way to display your results.

For any type of graph:

- Generally, you should place your independent variable on the x-axis of your graph and the dependent variable on the y-axis.
- Be sure to label the axes of your graph — don't forget to include the units of measurement (eg number, type of responses, quantities and preferences).
- If you have more than one set of data, show each series in a different color or symbol and include a legend with clear labels.

## Data Analysis Checklist:

	Question	What to do
1	Is there sufficient data to know whether your assumptions are correct?	Yes/No
2	Is your data accurate?	Yes/No
3	Have you summarised your data?	Yes/No
4	Does your chart specify units of measurement?	Yes/No

## Graph Checklist:

	Question	What to do
1	Have you selected the appropriate graph type for the data you are displaying?	Yes/No
2	Does your graph have a title?	Yes/No
3	Have you placed the independent variable on the x-axis and the dependent variable on the y-axis?	Yes/No
4	Have you labelled the axis correctly and specified the units of measurement?	Yes/No
5	Does your graph have the proper scale (the appropriate high and low values on the axis)?	Yes/No
6	Is your data plotted correctly and clearly?	Yes/No

*You should answer "Yes" to every question on this page.*