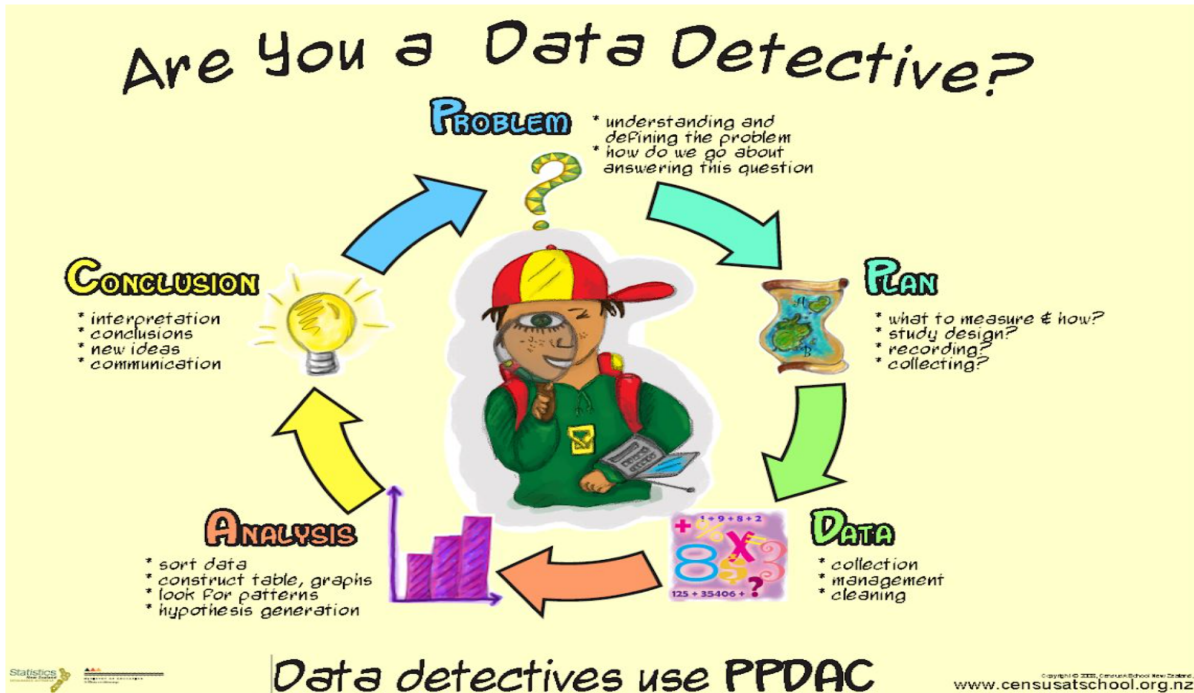# PPDAC cycle Explained

PROBLEM:

Write your "I wonder" question here that you are exploring. Write your prediction of what you think will happen.

PLAN:

List the variables you will explore to answer your "I wonder" question.

How will you collect the information?

How and where will you collect and record your data

What is the equipment you will use to collect

DATA

Sort data

Look for patterns

Collection / tables /tally charts/

Construct graphs

Manage your data collection

Clean your data collection.

ANALYSIS:

From the tables and/or plots/graphs make four I notice statements about the data you have displayed. You should compare the shape of the data, the spread of the data, the middle 50% of the data, and the summary statistics. Use TEXAS

T for your Topic or question

E for explaining

X for examples

A for analysis such as different averages, percentages, fractions, skews, clusters, unusual points, the overlap of boxes(in case of box and whisker plots) or correlation (Scatter plots)to explain correlation use TASGU - Trend, association, strength, Groupings, unusual points. Strat Make comments on what you notice.

I notice...

I notice...

I notice...

I notice...

S for summary summarise what you have noticed

Conclusion Has your question been answered? What is your next step? What will you do with your information? Where will you take it from here? Ask yourself a "so what?" question and what will you do now? What improvements will you make?