

Chapter 21 – Rich task 2 - Evaluating someone else's survey

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Evaluating someone else's survey

- Find a survey that someone else has carried out and reported on.
This could be one of your classmate's or you could use one given to you by your teacher.
- Write a report which includes comments and suggested improvements for each stage of the Enquiry Cycle.

A statistical investigation consists of five stages:

Problem, Plan, Data, Analysis and Conclusion.

At Level 4 you should be able to include these elements in your enquiry.

Problem	A statistical question has been formed.			
Plan	A decision on what data to collect, variables and units for each are shown.	An outcome has been predicted.	The number of people to be surveyed and how/where to collect and organise the data have been given.	Possible ways to display data have been given.
Data	Data has been collected and sorted – an example of the collection sheet has been given.	Data has been displayed and choices can be justified.	The following have been used: tally charts, frequency tables, pictographs, bar graphs, strip graphs, pie charts, dot plots, stem and leaf graphs, line graphs. (Tick those that apply)	Technology has been used, such as a spread sheet, to communicate data.
Analysis	The mean, median and mode (if appropriate) have been found and statements made about what they show about the data.	Graphs have been analysed and patterns, trends, including information about clusters and outliers, have been identified and described.	Differences and similarities between distributions (if appropriate) have been analysed.	Findings have been communicated to others.
Conclusion	Statistical question(s) have been answered and evidence provided from data analysis.	The need for more data to fully answer the question has been identified.	If the enquiry has raised another question that could be pursued, it has been identified.	Future improvements for a possible repeat survey have been communicated.