



SELF EVALUATION FORM

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	I have formed a statistical question.			
Plan	I have decided what data to collect, the variables I need and the units for each.	I have predicted what the outcome might be.	I have chosen the number of people to survey. I have decided how/where to collect and organise the data I collect.	I have thought about how to display my data.
Data	I have collected and sorted the data.	I have decided how to display the data and can explain and justify my choices to others.	☐ tally charts ☐ frequency tables ☐ pictographs ☐ bar graphs ☐ strip graphs ☐ pie charts ☐ dot plots ☐ stem & leaf plots ☐ line graphs (Tick those that apply)	I have used technology such as a spread sheet to communicate my data.
Analysis	I have found the mean, median and mode (if appropriate) and made statements about what they show about the data.	I have analysed graphs and identified and described patterns, trends, including information about clusters and outliers.	I have analysed differences and similarities between distributions (if appropriate).	I can communicate my findings to others.
Conclusion	I can answer my statistical question(s) and provide evidence from my data analysis.	I have decided if I need more data and what that data is to fully answer my question.	My enquiry has raised another question that I would like to pursue.	I have thought about and communicated any improvements I would make if I were to do the survey again.