
Components of Statistics and Graphical Representations

Statistical Literacy

Able to use means to summarise grouped data
Able to describe discrepancies among data points and use SD/SE where appropriate
Able to refer to relevant evidence to infer significance of comparison between two groups of data, e.g.: use statistical test (p -value)

Graphical Communication

Able to use graphs to present data
Able to describe variables and patterns in the graphs

Quality of use of statistics and graphical representations

	Unsatisfactory	Satisfactory	Exceed Standards
<i>Statistical Literacy</i>	Incorrect indication of independent and dependent variables Incorrect use of statistical analysis	Calculate mean values correctly Calculate and use SD or SE correctly Refer to appropriate evidence when making comparison	Calculate mean values correctly Calculate and use SD or SE correctly Refer to appropriate evidence when making comparison Use correct statistics to test a hypothesis
<i>Graphical Communications</i>	Incorrect use of type of graph to present the data No or wrong labelling of axis	Use appropriate graph with correct and proper labelling of axis	Use appropriate graph with correct and proper labelling of axis Describe variables and patterns in the graph correctly
