

Stage 10

Analysing Statistics

KEYWORDS

WHAT DO WE ALREADY *know?*

- Know the meaning of discrete and continuous data
- Interpret and construct frequency tables
- Analyse data using measures of central tendency

THE BIG PICTURE

- Interpret, analyse and compare the distributions of data sets and construct and interpret diagrams for grouped discrete data and continuous data

- Discrete
- Continuous
- Population
- Sample
- Cumulative frequency
- Box plot
- Central tendency
- Spread
- Interquartile range
- Skewness

Analysing Statistics - Targets

	Before Topic	After Topic	Teacher Mark
Use a sample to infer properties of a population			
Understand the limitations of sampling			
Apply the Petersen capture-recapture method			
Find the quartiles for discrete data sets			
Calculate and interpret the interquartile range			
Construct and interpret a box plot for discrete data			
Use box plots to compare distributions			
Understand the meaning of cumulative frequency			
Complete a cumulative frequency table			
Construct a cumulative frequency curve			
Use a cumulative frequency curve to estimate the quartiles for grouped continuous data sets			
Use a cumulative frequency curve to estimate properties of grouped continuous data sets			