# YEAR 10 — DELVING INTO DATA... *ewhisto\_maths* Collecting, representing and interpreting

## What do I need to be able to do?

## By the end of this unit you should be able to:

- Construct and interpret frequency tables and polygon two-way tables, line, bar, & pie charts
- Find and interpret averages from a list and a table
- Construct and interpret time series graphs, stem and leaf diagrams and scatter graphs

## Keywords

Population: the whole group that is being studied Sample: a selection taken from the population that will let you find out information about the larger group

Representative: a sample group that accurately represents the population

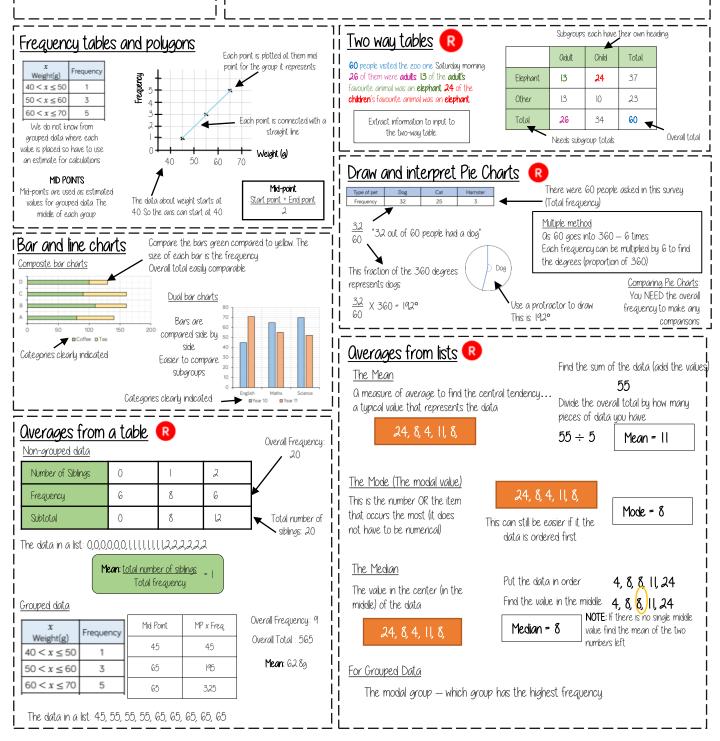
Random sample: a group completely chosen by change. No predictability to who it will include.

Bias: a built-in error that makes all values wrong by a certain amount

Primary data: data collected from an original source for a purpose.

Secondary data: data taken from an external location. Not collected directly.

Outlier: a value that stands apart from the data set



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