DATA







Prior learning:

Discover more

- Plotting coordinate points in all quadrants (YEAR 4-6)
- Simple frequency graphs and bar charts (YEAR 6, YEAR 7 AUT1)

Use correct notation for time

in the 12 and 24 hour clock.

Calculate mean, median, mode and range from

a frequency tables, and stem and leaf diagrams using discrete and continuous data

• Calculating averages (YEAR 7 AUT1)

YEAR 9 AUT1/2: DATA

Use correct statistical terminology to describe data and its collection.



Design and use two way tables.

Construct and interpret a variety of charts and graphs, including histograms with equal width 425,426,441

402,403,414-418

Construct and interpret stem and leaf diagrams.

eaf diagrams. & 430-433

Mean, median, mode and range revisited.

422-424

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Construct time series and interpret moving averages

erpret moving averages

Construct and interpret pie charts.

Draw scatter graphs and identify outliers. Describe correlation and estimate using a line of best fit. 2453,454 Discuss reliability of data, extrapolation and interpolation.

Next steps:

- Interpretation and reasoning of statistical diagrams.
- Cumulative frequency, including inter-quartile range..
- Histograms

YEAR 10 ROUTE A



- Simple frequency graphs and bar charts (YEAR 3/4)
- Reading tables including timetables (YEAR 4)
- Calculating averages (YEAR 6/7)

DATA HANDLING: YEAR 10 ROUTE A AUT 2



YEAR 10 ROUTE B

Prior learning:

 Calculating averages and range from frequency AND grouped frequency tables (YEAR 9 AUT 2)

YEAR 10 ROUTE B AUT2 DATA HANDLING

Statistical vocabulary and definitions, 2394 including sample, population and bias.

2443-449





Cumulative frequency diagrams, find the median, interquartile range, greater than or less than.





Find range, median and interquartile range to draw conclusions from box plots.

Interpret and construct box plots. 434-436,440

Construct and 443-449 interpret histograms with unequal widths.

Understand and use

frequency density.



Estimate the median from a histogram with

unequal widths.

Next steps:

 Apply and use these statistical analysis skills in other subjects (geography/biology/psychology)

YEAR 11 ROUTE A



