

ST7 Scatter diagrams and correlation



Personal learning checklist | 1 of 1

Edexcel GCSE Statistics 1ST0 | Both papers · Foundation and Higher

Name _____ Class _____ Date _____

Tick one box for each statement. Red: need help. Amber: partly confident.
Green: can do independently.

Higher statements are labelled. Show full workings, construct graphs and use real sourced data for enquiry tasks.

I can	Red	Amber	Green
Relationships and prediction			
Construct paired scatter diagrams with explanatory and response axes.	☐	☐	☐
Describe correlation direction and compare strength separately from gradient.	☐	☐	☐
Evaluate causation claims and propose plausible confounding explanations.	☐	☐	☐
Calculate a double mean point and draw a suitable by-eye line of best fit.	☐	☐	☐
Use interpolation and evaluate uncertainty and extrapolation limits.	☐	☐	☐
Interpret fitted gradients and intercepts with appropriate units and qualifications.	☐	☐	☐
Interpret given Spearman coefficients as rank association without inferring independence.	☐	☐	☐
Higher — coefficients and regression			
Higher: use and interpret a given regression equation within its suitable direction and range.	☐	☐	☐
Higher: rank distinct paired values and calculate Spearman's coefficient.	☐	☐	☐
Higher: interpret given PMCC and distinguish linear from monotonic rank association.	☐	☐	☐

My next revision priority _____