



ST2 Sampling and collecting data

Personal learning checklist | 1 of 2

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
Population and samples			
Distinguish population, sampling frame, sample and census in context.	☐	☐	☐
Select a simple random sample, rejecting invalid and repeated identifiers.	☐	☐	☐
Implement systematic sampling and evaluate risks from periodic ordering.	☐	☐	☐
Compare quota, opportunity, judgement and cluster sampling for a stated enquiry.	☐	☐	☐
Allocate a single-category stratified sample and select randomly within strata.	☐	☐	☐
Evaluate frame coverage, non-response, sample size and selection bias.	☐	☐	☐

My next revision priority _____



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I can	Red	Amber	Green
Collection and cleaning			
Choose and justify experimental, observational, interview, questionnaire or simulation methods.	☐	☐	☐
Design neutral questions with exhaustive, non-overlapping response choices.	☐	☐	☐
Design a recording sheet with units, identifiers and consistent definitions.	☐	☐	☐
Use pilots and pre-tests to identify and correct collection problems.	☐	☐	☐
Distinguish reliability from validity and propose measurement improvements.	☐	☐	☐
Explain sensitivity, confidentiality and their effects on response bias.	☐	☐	☐
Clean missing, duplicate and incorrectly formatted records without inventing observations.	☐	☐	☐
Investigate unusual values and control relevant extraneous variables.	☐	☐	☐
Higher — designs and sensitive responses			
Higher: allocate a sample across strata defined by multiple categories.	☐	☐	☐
Higher: explain and apply a specified random-response mechanism.	☐	☐	☐
Higher: evaluate control groups, matched pairs and allocation methods.	☐	☐	☐

My next revision priority _____