Pearson Edexcel GCSE (9–1)

May–June 2022 Assessment Window

Syllabus reference **1ST0**

Statistics

Advance Information

You are not permitted to take this notice into the examination.
This document is valid if downloaded from the Pearson Qualifications website.

Instructions

- Please ensure that you have read this notice before the examination.

Information

- This notice covers all examined components.
- The format/structure of the assessments remains unchanged.
- This advance information details the focus of the content of the exams in the May–June 2022 assessments.
- There are no restrictions on who can use this notice.
- This notice is meant to help students to focus their revision time.
- Students and teachers can discuss advance information.
- This document has 14 pages.

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General advice

- In addition to covering the content outlined in the advance information, students and teachers should consider how to:
  - manage their revision of parts of the specification which may be assessed in areas not covered by the advance information
  - manage their revision of other parts of the specification which may provide knowledge which helps with understanding the areas being tested in 2022.
- For specifications with synoptic assessments, topics not explicitly given in the advance information may appear, e.g. where students are asked to bring together knowledge, skills and understanding from across the specification.
- For specifications with optional papers/topics/content, students should only refer to the advance information for their intended option.
- For specifications with NEA, advance information does not cover any NEA components.

A link to the Joint Council for Qualifications guidance document on advance information can be found on the Joint Council for Qualifications website or here.

Advance Information

Subject specific section

- Advance information will be provided for each paper and for each tier of entry.
- The information is presented in approximate specification order and does not reflect the order of the questions.
- Questions may be answerable using one or more of the indicated areas of specification content.
- The areas of content listed are suggested as key areas of focus for revision and final preparation, in relation to the May–June 2022 examinations.
- The aim should still be to cover all specification content in teaching and learning.
- Students may need to draw on prior knowledge and skills.
- Students will still be expected to apply their knowledge to unfamiliar contexts.
- Students responses to questions may draw upon knowledge, skills and understanding from across the content listed when responding to questions.
- Students will be credited for using any relevant knowledge from any other topic areas when answering questions.

Paper 1F

1. The collection of data	
1(b) Types of data	Describe data
	Grouped data
	Primary/secondary data
1(c) Population and sampling	Sampling methods
1(d) Collecting data	Collecting data
	Cleaning data
2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representation	Diagrams and representation
	Pictograms
	Time series
	Stem and leaf diagrams
	Population pyramids
	Choropleth maps
	Frequency polygons
	Skew
2(b) Measures of central tendency	Simple measures of average
	Averages from grouped data
	Linear interpolation
2(c) Measures of dispersion	Simple measures of spread
2(e) Scatter diagrams and correlation	Correlation
2(h) Estimation	Sample size
3. Probability	
	Simple probabilities
	Experimental and theoretical probability
	Venn diagrams

Paper 2F

1. The collection of data	
1(a) Planning	Hypotheses
1(b) Types of data	Grouped data
	Types of variables
	Primary/secondary data
1(c) Population and sampling	Population
	Types of sampling
	Simple random sample
	Bias
1(d) Collecting data	Sources
	Reliability and validity
	Collecting data
2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representations	Tabulations
	Tally charts
	Pie charts
	Bar charts
	Scatter diagrams
	Box plots
2(b) Measures of central tendency	Simple measures of average
	Averages from grouped data
2(c) Measures of dispersion	Measures of spread
	Outliers
2(d) Further summary statistics	Index numbers
	Rates of change

2(e) Scatter diagrams and correlation	Correlation
	Lines of best fit
2(h) Estimation	Sample size
3. Probability	
	Estimates of probabilities
	Probability scale
	Statements of likelihood
	Expected frequency
	Relative and absolute risks
	Experimental and theoretical probabilities
	Tree diagrams
	Independent events

Foundation Tier: Collated content for Paper 1F and 2F

1. The collection of data	
1(a) Planning	Hypotheses
1(b) Types of data	Describe data
	Grouped data
	Types of variables
	Primary and secondary data
1(c) Population and sampling	Population
	Sampling methods
	Simple random sampling
	Types of sampling
	Bias
1(d) Collecting data	Sources
	Collecting data
	Reliability and validity of collected data
	Cleaning data

2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representation	Tabulations
	Diagrams and representation
	Tally charts
	Stem and leaf diagrams
	Pictograms
	Pie charts
	Population pyramids
	Choropleth maps
	Bar charts
	Time series
	Scatter diagrams
	Frequency polygons
	Box plots
	Skew
2(b) Measures of central tendency	Simple measures of average
	Averages from grouped data
	Linear interpolation
2(c) Measures of dispersion	Measures of spread
	Outliers
2(d) Further summary statistics	Index numbers
	Rates of change
2(e) Scatter diagrams and correlation	Correlation
	Lines of best fit
2(h) Estimation	Sample size

3. Probability	
	Simple probabilities
	Estimates of probabilities
	Probability scale
	Statements of likelihood
	Expected frequency
	Relative and absolute risks
	Experimental and theoretical probability
	Tree diagrams
	Venn diagrams
	Independent events

Paper 1H

1. The collection of data	
1(c) Population and sampling	Sampling methods
1(d) Collecting data	Cleaning data
2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representation	Stem and leaf diagrams
	Population pyramids
	Frequency polygons
	Cumulative frequency
	Select appropriate representation
	Skew
2(b) Measures of central tendency	Measures of average
	Linear interpolation
	Harder measures of average
2(c) Measures of dispersion	Standardised scores
	Harder measures of spread
2(d) Further summary statistics	Chain based index numbers
2(e) Scatter diagrams and correlation	Spearman's rank correlation coefficient
	Spearman's and Pearson's coefficients
2(f) Time series	Times series
	Trends
3. Probability	
	Venn diagrams
	Independent events
	Conditional probability
	Binomial distribution

Paper 2H

1. The collection of data	
1(a) Planning	Hypotheses
1(b) Types of data	Types of variables
	Primary and secondary data
1(d) Collecting data	Simulation
	Reliability and validity of collected data
	Control groups
2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representation	Tabulations
	Comparative pie charts
	Scatter diagrams
	Box plots
	Histograms
2(b) Measures of central tendency	Simple averages
	Harder measures of average
2(c) Measures of dispersion	Measures of spread
	Outliers
2(d) Further summary statistics	Index and weighted index numbers
2(e) Scatter diagrams and correlation	Correlation
	Lines of best fit
2(g) Quality assurance	Sample means
	Quality assurance
2(h) Estimation	Petersen capture recapture method
	Sample size

3. Probability	
	Estimates of probabilities
	Expected frequency
	Relative and absolute risks
	Independent events
	Normal distribution

Higher Tier: Collated content for Paper 1H and 2H

1. The collection of data	
1(a) Planning	Hypotheses
1(b) Types of data	Types of variables
	Primary and secondary data
1(c) Population and sampling	Sampling methods
1(d) Collecting data	Simulation
	Reliability and validity of collected data
	Control groups
	Cleaning data
2. Processing, representing and analysing data	
2(a) Tabulation, diagrams and representation	Tabulations
	Stem and leaf diagrams
	Comparative pie chart
	Population pyramids
	Scatter diagrams
	Frequency polygon
	Cumulative frequency diagrams
	Histograms
	Box plots
	Select appropriate representation
	Skew
2(b) Measures of central tendency	Measures of average
	Linear interpolation
	Harder measures of average

2(c) Measures of dispersion	Measures of spread
	Harder measures of spread
	Outliers
	Standardised scores
2(d) Further summary statistics	Index and weighted index numbers
	Chain based index numbers
2(e) Scatter diagrams and correlation	Correlation
	Lines of best fit
	Spearman's rank correlation coefficient
	Spearman's and Pearson's coefficients
2(f) Time series	Times series
	Trends
2(g) Quality assurance	Sample means
	Quality assurance
2(h) Estimation	Petersen capture recapture method
	Sample size
3. Probability	
	Estimates of probabilities
	Expected frequencies
	Relative and absolute risks
	Venn diagrams
	Independent events
	Conditional probability
	Binomial distribution
	Normal distribution

END OF ADVANCE INFORMATION