Advance information June 2022

GCSE Statistics (8382)

Version 1.0

Because of the ongoing impacts of the Coronavirus (COVID-19) pandemic, we are providing advance information on the focus of June 2022 exams to help students revise.

This is the advance information for GCSE Statistics (8382).

Information

- This advance information covers all examined components.
- There are no restrictions on who can use this.
- The format/structure of the papers remains unchanged.
- For each paper the list shows the major focus of questions.
- The information is presented in specification order and not in question order.
- You are **not** permitted to take this advance information into the exam.
- There are separate lists for Foundation and Higher tiers.

Advice

- The following areas of content are suggested as key areas of focus for revision and final preparation, in relation to the June 2022 examinations.
- Students and teachers should consider how to revise other parts of the specification, for example to review whether other topics may provide knowledge which helps your understanding in relation to the areas being tested in June 2022. Statistics by nature is a synoptic subject and other aspects of the content may be required when answering questions.
- Students will be credited for using any relevant or appropriate knowledge from any topic areas when answering questions.

Focus of the June 2022 exam

Foundation Tier
Paper 1 8382/1F June 2022

Selection and Collection of Data
Hypothesis
Types of data
Primary and secondary data
Data source
Random sample
Collected data
Processing data
Reliability

Representations and their Interpretation
Pictogram
Tally chart
Choropleth
Population pyramid
Scatter diagram
Bar chart
Percentage composite bar chart
Appropriate diagram
Criticise diagram
Secondary data table
Interpret graph

Calculation and Interpretation of Measures
Skew
Trends
Moving average
Birth rate
Consumer Price Index (CPI)
Index number
Causation

Probability
Simple probability
Risk
Independent events
Two-way table

Selection and Collection of Data

Hypothesis
Validity
Data collection
Opportunity sampling
Random sampling
Question design

Representations and their Interpretation

Venn diagram
Pie chart
Stem and leaf
Choropleth
Line graph
Scatter diagram
Bar chart
Cumulative frequency diagram
Box plot
Dual bar chart
Appropriate diagram
Criticise diagram
Line of best fit
Secondary data table
Interpret graph

Calculation and Interpretation of Measures

Median from diagram
Measures of average
Cumulative frequency
Lower and Upper Quartile from diagram
Lower Quartile
Range
Percentage
Rate calculation
Extrapolation
Causation

Probability

Simple probability
Venn diagram
Estimate population characteristic

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Selection and Collection of Data
Hypothesis
Validity
Types of data
Census
Sampling preparation
Experimental design
Extraneous variable

Representations and their Interpretation
Stem and leaf
Population pyramid
Line graph
Trends
Histogram
Interpret graph
Interpret table

Calculation and Interpretation of Measures
Median
Estimation of median
Weighted mean
Quartiles
Interquartile range
Compare statistically
Proportions
Consumer Price Index (CPI)
Index number
Percentage calculation
Spearman's Rank Correlation Coefficient
Product Moment Correlation Coefficient
Quality assurance measures
Standardised scores

Probability
Expected frequency
Risk
Independent events
Conditional probability
Tree diagram

Selection and Collection of Data
Hypothesis
Reliability
Data collection
Opportunity sampling
Systematic sample
Random sampling
Question design
Sample size

Representations and their Interpretation
Venn diagram
Dual bar chart
Line graph
Time series
Cumulative frequency step polygon
Appropriate diagram
Scatter diagram
Interpret graph
Interpolation/Extrapolation
Trends

Calculation and Interpretation of Measures
Skew
Median
Measures of spread
Standard deviation
Interdecile range
Moving averages
Regression line equation
Spearman's Rank Correlation Coefficient
Expected profit
Percentage calculation
Interpret data
Peterson capture/recapture

Probability
Independent events
Conditional probability
Binomial

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END OF ADVANCE INFORMATION