

GCSE Statistics – Paper 2 Friday 13th June

Topics to Focus on **Higher Tier**

The following topics did not appear in Paper 1. This not an exhaustive topic list and these topics are not guaranteed to appear on Paper 2, however, this may be a useful prompt to help you focus your revision.

- Box plots
 - Drawing and interpreting
- Bar charts
 - Comparative, multiple
- Cumulative frequency
 - Drawing and interpreting
 - Cumulative step polygons
- Comparative pie charts
- Population pyramids
- Scatter diagrams & regression
 - Identifying correlation and trends
 - Equation of the regression line (calculating and interpreting)
- PMCC (interpreting)
- Calculating skew
- Frequency tables (grouped and ungrouped)
 - Linear interpolation for median
 - Estimate for mean and standard deviation
- Interpercentile, interdecile range
- Calculating standard deviation from a list of numbers
- Weighted and geometric mean
 - Calculating and interpreting
- Time-series graphs, 4-point averages
- Absolute and relative risk
- Experimental probability and expected outcomes, fairness
- Venn diagrams
- **Index numbers**
 - RPI, CP, GDP
 - Simple, chain-based, weighted
 - Crude birth/death rates
- Normal distribution
 - 68, 95, 99 rule
- Quality control & control charts
- Identifying types of data
- Questionnaires and interviews
- Sampling methods & population
- Hypotheses
- Cleaning data

Topics that appeared in Paper 1:

- Frequency Polygons
 - Comparing distributions
 - Reliability
- Choropleth maps

- Evaluating conclusions
- Stem & Leaf
 - Median, IQR
 - Comparing distributions using Median and IQR
- Histograms
 - Drawing and interpreting
- Suitability of a plan
- Pilot study
- Random response
- Discussing plans for collecting, processing and presenting data
- Spearman's Rank
- Capture-recapture
- Comparing distributions with Histograms
 - Skewness , mean, median, standard deviation
- Standardised scores
- Probability trees
- Binomial distribution