

AQA GCSE Statistics



Why a knowledge of statistics is important



- Statistics is about making decisions when there is uncertainty.
- Perhaps one of the most versatile areas of mathematics, it gives students the skills to collect, analyse, interpret and present data.
- Data analysis and data science are rapidly growing areas for employment
- Careers can range from weather forecasting, sports data, modelling of trends in areas of business and economics through to biological sciences.
- Complements subjects such as Biology, Psychology, Geography, Computer Science, Business and Economics

Why study statistics?

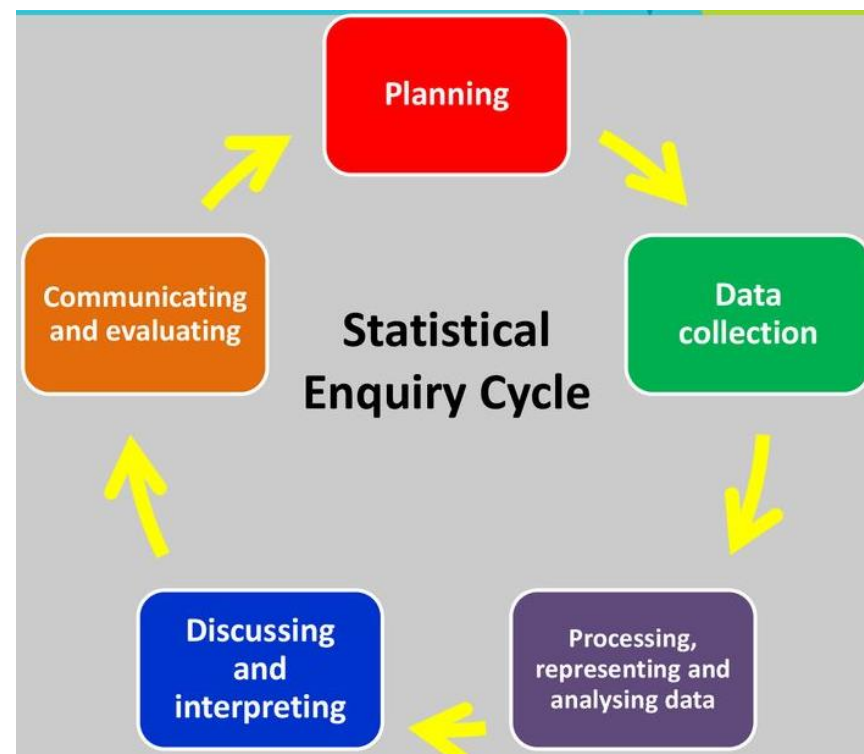


- AQA GCSE Statistics (8382)
- Two exams in June 2025 – both marked out of 80
- Although two tiers of entry, primary focus on Higher Tier
- Both papers are calculator papers
- Significant overlap with the statistics elements of GCSE Mathematics
- It will not be offered as an after-school option next year
- Potentially Edexcel Level 3 Algebra and AQA Level 2 Further Mathematics will be offered after school.

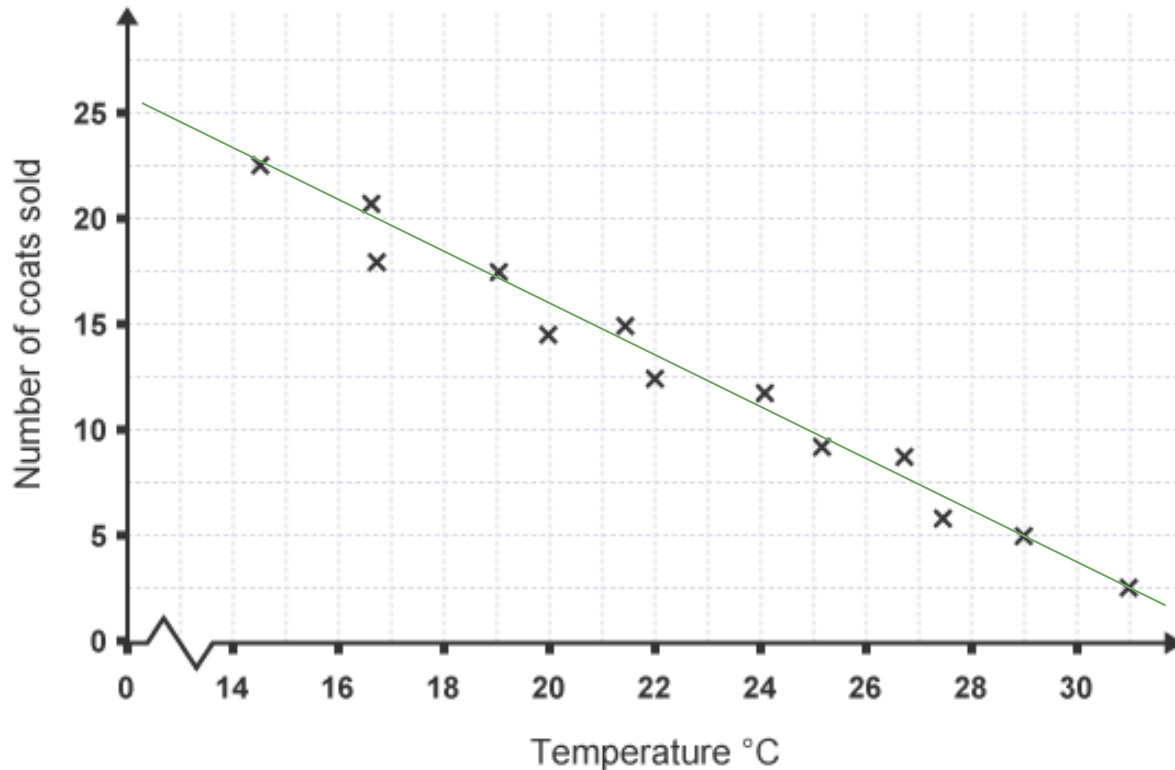
Course Content



- Planning and strategy
- Collecting data
- Representing data by diagrams
- Representing data by calculations
- Probability and applications



Developing scatter diagrams further



What we know already

- Negative Correlation
- Line of Best Fit

In GCSE Statistics

- Correlation coefficient
- Linear Regression
- Interpolation
- Extrapolation

Who does GCSE Statistics suit?



- Someone who wants to extend their mathematical capabilities to another level
- Those who are more mathematically inclined compared to other academic subjects
- Looking to take post-16 Mathematics courses (Mathematics, Further Mathematics, Level 3 Core Mathematics)
- Students considering A-Levels in Biology, Psychology, Geography, Computer Science Business Studies, Economics as elements link into it.