

A level Mathematics CPD - An introduction to Statistics 1

This 2-day course is suitable for teachers who have not taught S1 or those who have taught some aspects of it but would like to gain a deeper understanding of the concepts.

The emphasis over the two days will, first and foremost, be on helping delegates get to grips with the concepts in the various S1 specifications (MEI, OCR, AQA and Edexcel). Throughout the two days we will look at applications and connections in Statistics and will concentrate especially on areas that students find more difficult. We will also explore ideas for teaching some of the topics.

Prior Knowledge expected

The various Statistics specifications cover a large amount of content between them and it has been clear in the courses already run that many, but not all, of the teachers have considerable useful prior knowledge. To ensure that the more difficult concepts are not covered in a rush and to allow time for discussing teaching approaches, the course assumes the following prior knowledge.

The prior knowledge we shall assume is:

- Displaying data using diagrams, including histograms.
- Finding averages from a list of data values or a frequency table, including use of cumulative frequency graphs.
- Probability of one event. Using sample space diagrams for two events and tree diagrams for two, or more, events.

These matters are dealt with in Higher Tier GCSE Mathematics and can also be found in many A Level Statistics books.