

Careers in STEM: Mathematics

Statistician

Statisticians use their expert mathematics knowledge and enthusiasm for statistics to collect, analysis, interpret and present numerical data in a wide range of sectors, including education, finance, forensics, government, market research, sport and transportation.

Statisticians design and manage experiments and surveys to collect data, before processing and analysing the data to find patterns. These patterns can then be used to report success or failure rates on projects, inform future strategies or forecast trends. Job titles may vary in this field, so statisticians are sometimes known as data analysts or data managers.

Useful skills for statisticians are:

- Strong mathematics and IT skills
- The ability to analyse and interpret data
- Good logic and reasoning skills
- Good communication skills
- Ability to work as part of a team

Statisticians will have a good background in mathematics and employers look for degrees with a high level of statistical or quantitative content, such as economics, mathematics and statistics.

Visit the following websites for more information about futures in statistics and data analysis:

<https://www.prospects.ac.uk/job-profiles/statistician>

<https://nationalcareers.service.gov.uk/job-profiles/data-analyst-statistician>

