Statistics

Statisticians typically look to the range of sectors where they can apply their subject. These include: Healthcare, Science and Pharmaceuticals, Accountancy and Finance, Logistics, Marketing, Media and the Internet and the Public Sector. Each of these links provides a sector overview which shows how the sector breaks down, the main graduate recruiters, characteristics of working in the sector and key current issues as well as lists of job roles available in the sector.

Roles

Each job title links through to a broad job description, salary and conditions, entry requirements, typical recruiters and links to further pre-assessed useful information.

- Biometrician
- Medical Statistician
- Pharmaceutical Statistician
- Financial Risk Analyst
- Investment Analyst
- Actuary
- Underwriter
- Market Researcher
- Government Statistician
- Operational Researcher
- Social Researcher
- Health Informatics Management
- Market Researcher
- Government Statistician
- Operational Researcher
- Social Researcher
- Health Informatics Management
- Do consider exploring the full range of roles available on the Prospects A-Z or job roles.

Finding Opportunities

Much of the information you need about vacancies can be found on the links above and can assist you with finding work experience, placements and permanent jobs. For those interested in Teaching a specialist postgraduate course is normally required, although prospective teachers can train on the job through SCITT or with three years of experience can train on the job through the Schools Direct Training Programme.

Many of the IT, Finance and Insurance roles listed above do not require a postgraduate qualification, you are trained on the job whilst being paid (with the accountants and actuaries gaining a professional qualification), and some work experience can help you secure a permanent role. Look at the ICAEW website for information on Chartered Accountancy and on the CIMA website for Management Accountancy.

Careers such as Civil Service Fast Streamer can be secured without further study but are highly competitive. To become a Research Scientist you will require a PhD and, in some cases, postdoctoral experience.

Government organisations are recruiters of Statisticians:

- Government Statistical Service is the biggest recruiter of Statisticians
- NHS
- Office for National Statistics
- Medical Research Council

Private organisations who recruit Statisticians:

- Pharmaceutical industries include: GlaxoSmithKline, Pfizer and AstraZeneca
- Industrial companies such as BT and Unilever
- Commercial companies such as Scottish Widows, Aviva, PricewaterhouseCoopers and Tesco

Access this page and more options at reading.ac.uk/careers/resources
Further details on identifying potential recruiters and vacancies are available through the links in the ‘Roles’ sections above. Some specialist websites include:

- The Institute of Royal Statistical Society has a careers section.
- For actuarial graduate vacancies and work experience, try Actuaries.
- Academic Jobs EU and Jobs.ac.uk list research jobs for statisticians across industry and academia.
- The New Scientist provides job vacancies for Statistician roles.

**Further Reading**

- Statisticians in the Pharmaceutical Industry should look at PSIWeb.
- For actuarial graduate vacancies and work experience look at - Actuaries.
- StatsJobs.com.
- Discover Risk contains information about the insurance industry.
- Chartered Institute of Insurance provides a guideline to qualifications in the sector.
- For scientific research roles have a look at NewScientist, Jobs.ac.uk, Knowledge Transfer Partnership (KTP) and our own University Research Opportunities Programme.
- The Operational Research Society and the Chartered Institute of Securities and Investments have careers information.
- For further information about business, finance and IT careers look at Inside Careers.
- For analytics, research, trading, development and technology jobs see Quant Finance Jobs.