

Quantitative Methods in Social Science

About Quantitative Methods in Social Sciences

What are quantitative methods?

Quantitative methods encompass a range of data skills, from simple statistical analysis to more advanced predictive modelling. The idea behind many quantitative approaches is to understand how and why something has happened and how we might prepare or predict changes in the future. Quantitative methods typically involve working with data and particular software packages (e.g. Excel, SPSS, Stata, R) that help to manage, analyse and visualise a lot of numerical data.

Why Study Quantitative Methods?

Quantitative skills are useful for answering all kinds of questions, such as understanding why people vote the way they do, why crime rates are higher in some areas than others and how social class affects educational attainment. So much of what we do every day now involves some kind of numerical data generation. Studying quantitative methods provide you with skills that are not only increasingly in demand across different kinds of employment sectors, but will also help you to understand and navigate through many everyday data driven demands.

Hear from current Quantitative Methods degree students

Being able to have a larger focus on **quantitative methods** is really interesting for me, especially in the modern day where data exists everywhere. Employers are currently experiencing a shortage of graduates with these quantitative skills, allowing you to really stand out in the job market.

BA Sociology and Quantitative Methods student

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Choosing Warwick to study **Politics, International Studies and Quantitative Methods** is the best choice I have made so far. I chose Warwick over the other universities because both the degree and the department offer a broad range of opportunities that create an outstanding studying experience for students. The degree provides a specific range of quantitative analysis tools, which is quite unique at an undergraduate level. It has helped me to deepen my understanding of the world, so that I am able to develop in-depth and detailed political research skills.

BA Politics, International Studies and Quantitative Methods student



A step-change in quantitative social science skills

Funded by the Nuffield Foundation, ESRC and HEFCE

Undergraduate Quantitative Methods Degrees at Warwick University

The Warwick University has developed two new undergraduate degrees. These degrees enable you to develop a strong grounding in the discipline of either Politics & International Studies or Sociology, while also gaining advanced skills in quantitative methods skills. Both degrees offer a 4-week paid placement period. Current placement employers include: Institute for Social and Economic Research, National Centre for Social Research, Office for National Statistics, Demos, Ipsos MORI, Family and Childcare Trust, Coventry Citizens Advice Bureau, Joseph Rowntree Foundation.

BA Sociology and Quantitative Methods – UCAS Code 52L8

As well as giving students a core grounding in the discipline of Sociology, this degree prepares students to work in ways that help to understand, participate and intervene in a data-driven digital society.

This degree is specifically designed so that students can engage with real sociological problems using cutting edge data analysis.



BA Politics, International Studies and Quantitative Methods – UCAS Code 7L29

As well as giving a core grounding in Politics and International Studies, the degree will prepare students to work in ways that help to analyse quantitative data.



This degree is designed to emphasize the link between big substantive themes in the discipline (such as security, poverty, democracy, national politics, foreign policy and so on) and different quantitative tools.

Useful Information

Course information:

BA Sociology and Quantitative Methods:

<http://www2.warwick.ac.uk/fac/soc/sociology/prospective/ugstudy/socquant/>

BA Politics, International Studies and Quantitative Methods:

<http://www2.warwick.ac.uk/fac/soc/pais/study/studyundergrad/polintqm/>

Electronic version of this booklet can be found at:

http://www2.warwick.ac.uk/fac/cross_fac/q-step/booklet.pdf

Request university prospectus:

<http://www2.warwick.ac.uk/study/prospectus/>

Open day information:

<http://www2.warwick.ac.uk/study/undergraduate/visits/opendays/>

Any other information, please contact **Warwick Q-Step Centre:**

Email: Q-Step@warwick.ac.uk Tel: 02476573511

Warwick University

— some facts and figures

Founded in 1965, University of Warwick is primarily based on the 292 hectares campus. It is organised into four faculties – Arts, Medicine, Science and Social Sciences with around 23,6000 full-time students and 1,800 academic and research staff.

Having been consistently listed in the Top 10 UK universities in the media league tables and ranked 48th in the QS World University Rankings in 2015/16, Warwick offers over 200 undergraduate degrees across 36 departments and centres.

Extra curricular: societies, sports...

Other than outstanding academic and research opportunities, Warwick also offers a wide range opportunity for extra curricular activities:

- ◆ Over 250 student societies;
- ◆ 65 sports clubs;
- ◆ Sports facilities: swimming pool, climbing wall, gym, sauna, Westwood all-weather pitches, athletics track, indoor tennis centre, and many more!
- ◆ Warwick Arts Centre, the largest venue of its kind in the UK outside London, comprises a concert hall, two theatres, a cinema, gallery, and conference room as well as hospitality suites.



Pitch



Arts Centre



Climbing Wall