Funding

A standard studentship consists of academic fees paid at standard Research Council rates and a Research Training Support Grant.

UK students will be eligible for a full award which includes standard studentship plus maintenance at RCUK rates (National Doctoral Stipend for 2016/17 is £14,296).

European Union applicants will be eligible for an award paying academic fees and RTSG only, except in cases where residency in the UK has been established for more than 3 years prior to the start of the programme of study.

Contact

For further information on the programme or any queries, please contact:

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The ESRC funded Centre for Doctoral Training in Data Analysis and Society will provide postgraduate research and training for 52 students across 4 Universities:

- University of Leeds
- University of Liverpool
- University of Manchester
- University of Sheffield

The Centre is a collaboration with multiple external partners offering the opportunity for students to undertake innovative research in new forms of data.

The Centre will focus on

- Promoting the creation and analysis of new longitudinal and streamed data resources for socio-economic investigations.
- Creating new methods (e.g. scaling up existing methods for real time big data analytics),
- Investigating social processes (e.g. virtualisation of retailing; data-driven decision making and social behaviours)
- Facilitating interventions (e.g. resource targeting, network planning, social media apps for diet, travel, lifestyle planning).

The programme

This is an exciting opportunity to undertake a 4-year funded integrated PhD and MSc in Data Analytics and Society.

We are looking for graduates from a wide range of backgrounds with interests in how data can be used to address social science questions using statistical or predictive techniques.

You will work with a multi-disciplinary team of supervisors as well as having the opportunity to work with external partners on real life problems.

The programme will include an integrated MSc in Data Analytics over the first two years which will provide you with the foundation skills to complete your research project, modules include:

- Methodology, Research Design, Ethics
- Quantitative & Qualitative Approaches
- Domain skills for Data Science
- Internship with external partner

Places are available at the Universities of Leeds, Liverpool, Manchester and Sheffield.

Research Projects

Many data sources have the potential to support predictive analytics, for example about traffic congestion later in the day, the state of a person’s health at some point in the future, or what an individual customer is likely to buy next.

The CDT will encourage significant advances which bring together social science with methods from computing, mathematics and the natural sciences.

Examples of current projects:

- Modelling temporal variations of consumer demand in the UK grocery sector
- Understanding and informing perceptions of household electricity use
- Aligning consumers’ organic food consumption with big retail data: Implications for understanding and forecasting choice
- Using new data and novel methods to undertake syndromic surveillance to identify outbreaks of food poisoning
- Enumerating the ambient population for predictive analytics of crime and policing