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The University of Manchester

THE UNIVERSITY OF MANCHESTER

PARTICULARS OF APPOINTMENT

FACULTY OF HUMANITIES

SCHOOL OF SOCIAL SCIENCES

DIVISION OF SOCIAL STATISTICS

LECTURER/SENIOR LECTURER IN NETWORK ANALYSIS

VACANCY REF: HUM-019192

Salary:	Grade 6/7/8 £37,467 - £63,668 per annum depending on relevant experience
Hours:	Full Time (1 FTE)
Duration:	Permanent
Location:	Oxford Road, Manchester

Enquiries about the vacancy, shortlisting and interviews:
Name: Professor Wendy Olsen
Email: wendy.olsen@manchester.ac.uk

The rapidly expanding Department of Social Statistics welcomes applications for a new role of Senior Lecturer [or Lecturer] (Teaching and Research focused) in Social Statistics. The appointed candidate will join the Social Statistics Department in the School of Social Sciences.

Applicants should have a PhD in Social Statistics or equivalent quantitative subject, with applications of social network analysis and computational social science, and experience of designing, leading and/or delivering high quality teaching in relevant areas of Social Statistics or Quantitative Social Research Methods, at both undergraduate and postgraduate levels.

Applicants must have had training in how to teach, preferably with certification or evidence of their teaching skills. Besides certification, further evidence of teaching skills can arise from the references written by the applicant's referees.

Probation: For posts of Lecturer/Senior Lecturer (Grades 6-8), a maximum 4 year probationary period applies, which may be reduced subject to previous experience.
The Department of Social Statistics sits within the School of Social Sciences. It is a research-oriented department delivering excellent teaching to undergraduate and postgraduate students. To further strengthen our research and teaching portfolio, in line with our strategic objectives, the Department wishes to appoint a Senior Lecturer [or Lecturer] in Social Statistics. While we invite applications from applicants in all fields of social statistics, we particularly encourage those whose

research is about social networks using computational social science. The successful candidate will be based in the statistical modelling research area group. They can also join relevant Institutes (see below), since overlapping teams and interdisciplinary teamwork are normal in the social-statistics area. Recent highlights include numerous funded projects and external consultancies as part of the Mitchell Centre for Social Network Analysis (see https://www.socialsciences.manchester.ac.uk/mitchell-centre/about-us/); collaborative grants from the 7th Framework Programme and H2020 of the European Union, involving research on improving survey statistics and dissemination; the ESRC-funded Centre for Doctoral Training - Data Analytics and Society as part of the Data Science Institute's research programme; and many research-council funded projects.

Key Responsibilities, Accountabilities and Duties

Research:

- Provide academic leadership in her/his research field including development, mentoring and career management advice to junior colleagues
- Conduct research and produce high quality, internationally excellent publications
- Apply for external research funding, as and where appropriate
- Seek to develop impact and engagement with non-academic audiences and partners
- Attend Conferences and other forms of academic engagement
- Engage in Post-graduate research supervision and mentoring of early career researchers

Teaching:

- Design and deliver high quality teaching and learning material and provide timely and effective support and feedback to students
- Support the teaching of social network analysis and related or unrelated computational social science methods
- Supervise undergraduate students and/or Master's dissertations
- Offer teaching in short blocks by both face-to-face and distance learning, both in the academic year and in summer-school or workshop situations, both for postgraduate students and for visitors who may have career research interests, possibly including civil servants
- Contribute to distance-learning opportunities as a part of our teaching effort, including adapting web-pages, with administrative support
- Set and assess coursework and examinations of various types
- Undertake and develop teaching at UG and PGT levels, in a variety of settings, from small group seminars to large lectures on-line or face to face
- Provide appropriate academic advice and support to students both individually and in groups

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General

- Undertake such administrative or academic service, pastoral and other duties as may be assigned
- Help ensure that all Health & Safety policies, procedures, rules and regulations are adhered to. Ensure that all staff and students under your supervision are provided with relevant local Health & Safety information
- Ensure that University information is shared and processed lawfully, according to GDPR (The General Data Protection Regulation 2016), and pursuant laws
- Be responsible for collecting and retaining only the minimum amount of personal data necessary to carry out your functions, and to retain data only for as long as specified in the University Records Retention Schedule, reporting any data breaches to the University's Information Governance office

PERSON SPECIFICATION

Essential Knowledge, Skills and Experience:

- A PhD in Social Statistics or equivalent quantitative subject with applications of advanced quantitative methods
- Demonstrable excellence in research as evidenced by high quality track-record of international publications or other equivalent recognised forms of research output appropriate to the discipline
- A track record of research grant or other forms of research income generation
- A strategy for future research, as appropriate to your research focus
- Evidence of successful academic leadership and management
- Demonstrable evidence of high-quality teaching in social statistics or advanced quantitative methods, including some of
- Innovative approaches to teaching and assessment at undergraduate (levels 2 and 3) and at MSc level
- The use of a range of delivery techniques to engage students
- Effective use of a virtual e-learning environment
- Significant experience in the planning and delivery of new undergraduate and taught postgraduate courses and programmes
- Commitment to principles and practices of equality and social-responsibility in teaching
- A demonstrable commitment to developing the quality of the student experience
- Excellent skills in communication and team-working
- Experience teaching Social Network Analysis, Social Statistics or Quantitative Social Research Methods at both undergraduate and postgraduate levels
- Clear potential for successful supervision of undergraduate and postgraduate dissertations
- Experience of successfully supervising doctoral students

- Excellent oral, interpersonal, presentational and written communication skills, including the ability to work as an effective member of a team
- Proven administrative skills

Desirable Knowledge, Skills, Experience And Qualifications

- Experience of curriculum development, change management or project management, at the Undergraduate or Post-graduate level, or both
- Experience of programming in Python

Background

Social Statistics

The Social Statistics Department, headed by Professor Wendy Olsen, was launched in January 2009 with an aim to improve the methodological rigour and range of quantitative enquiries in social science.

The department has expanded to 24 members of staff and over 50 PhD students. Social statistics covers statistics of all aspects of society, including statistical methods that are applicable within the field of social enquiry.

The department encourages innovations in quantitative methodology, the application of cutting-edge statistical methods in social contexts, and the analysis of complexities in social data. Our research activity is both methodological and substantive with interests in social inequalities and population dynamics. Our methodological research with longitudinal and multilevel data informs our interdisciplinary research applications in topics such as employment, ageing, health inequalities, and migration. In addition, our research into survey methodology, small-area estimation, statistical disclosure control, missing-data problems and statistical modelling has made Social Statistics into one of the leading departments in the country.

In the University of Manchester, membership in Centres and Institutes normally overlaps with membership of a particular department. This job is expected to strengthen links between the Mitchell Centre for Social Network Analysis and the Department of Social Statistics, in particular.

Our research strengths are reflected in our nationally-leading ratings in research. Sociology (including Social Statistics) was 3rd in the UK in the 2020 Research Excellence Framework (see also below). We host a wide range of funded research projects, and we have partnerships with a variety of types of organisation.

Undergraduate and Postgraduate Teaching

The Department of Social Statistics makes a growing contribution to the development and delivery of undergraduate teaching in Sociology and Economics. In 2018 we began teaching a joint Social Statistics-BA.Econ undergraduate pathway. This pathway includes two sub-options: BA (Economics with Data Analytics), and BA (Development Studies and Data Analytics). The Department also contributes substantially to undergraduate pathways within the BA in Social Studies (BASS with Data Analytics) (See: **https://www.socialsciences.manchester.ac.uk/ > undergraduate courses**

The Department held one of the Q-step centres funded by Nuffield Foundation, ESRC and HEFCE to support the development and delivery of specialist undergraduate programmes with advanced quantitative methods, including new courses, work placements and pathways to postgraduate study.

Social Statistics runs the MSc in Social Research Methods and Statistics (SRMS) and the MSc in Data Analytics and Social Statistics.

See: https://www.manchester.ac.uk/study/masters/courses/list/07982/msc-social-research-methods-and-statistics/

The Department plays a role in a pair of Data Science teaching programmes. We run the MSc pathway in Data Science (Social Analytics) and we also host a 4-year integrated PhD in Data Science (Social Analytics pathway). Both have grown rapidly in size.

Further details can be found in the web site of the Doctoral Training Centre http://www.manchester.ac.uk/study/postgraduate-research/why-manchester/doctoral-college/doctoral-training/ particularly https://datacdt.org/

The MSc SRMS provides a firm grounding in advanced quantitative methods, taught within an applied social science framework. SRMS teaching combines lectures and practicals where students analyse publicly-available surveys using the professional software that they are likely to use in the workplace.

In 2021, the SRMS MSc intake was over 100 students; it has grown further since then. Our graduate programmes are formally recognised by ESRC and the North West Social Science Doctoral Training Partnership, from whom we receive additional PhD support in priority areas: Advanced Quantitative Methods (AQM), use of ESRC data sets, longitudinal data usage, and interdisciplinary research, as well as CASE awards each year. We are partners in two Centres for Doctoral Training: Data Analytics and Society, and Biosocial Science.

PhD students join a thriving research programme and receive high quality training and supervision tailored to their particular needs. There are currently over 50 PhD students within Social Statistics and the Cathie Marsh Institute for Social Research.

The Mitchell Centre for Social Network Analysis

The Mitchell Centre for Social Network Analysis is a cross-disciplinary research group located in the School of Social Sciences. It is jointly led by Prof Martin Everett and Prof Nick Crossley. The centre is named after J Clyde Mitchell, who pioneered this approach whilst a member of staff at Manchester.

The centre has staff located in sociology, social statistics, education, business and criminology plus associates from other disciplines. It runs a weekly research seminar programme and a reading group and it delivers courses and workshops at both undergraduate and postgraduate levels. Staff associated with the centre have recently launched a master's degree in social network analysis which commences next academic year. The centre has an international reputation and regularly attracts academic visitors for short and long periods from all over the world.

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The Cathie Marsh Institute for Social Research (CMI)
The Cathie Marsh Institute for Social Research (CMI) was founded in 2014. The Institute is named after Cathie Marsh who founded the Census Microdata Unit in 1993. CMI is directed by Professor Martin Everett, a social-networks expert. It is an internationally renowned institute of research excellence specializing in the application of advanced quantitative methods in an interdisciplinary social science context. It is committed to high quality research, innovative teaching methods and collaboration with other departments within the University, to improve the methodological rigour and range of quantitative enquiries in social science. A distinctive feature of CMI and Social Statistics is the application of advanced quantitative methods, within an interdisciplinary framework, to address social, economic and political questions. Research topics include social inequalities, population dynamics, social network analysis, statistical modelling, longitudinal analysis, survey methodology, missing data, analysis of complex survey data and statistical disclosure control. Work on social inequalities encompasses class, gender, ethnicity/race and ageing, and focuses on the substantive topics of: employment, education, social dynamics, social mobility, health and wellbeing, community cohesion, and social and civic participation.

The University
Sir Arthur Lewis received the Nobel Prize for Economic Sciences in 1979, in recognition of his work in Development Economics – undertaken here during the 1950s. He was appointed Professor at Manchester in 1948, at the age of 33, and was Britain's first black Professor. The School of Social Science main building is named in his honour. Our staff are also located in Humanities Bridgeford street Building and the Williamson building.

The President and Vice-Chancellor of The University of Manchester, Professor Dame Nancy Rothwell, is leading a new vision and strategic plan – Our Future to take us into our third century. It builds on a rich heritage of discovery, social change and pioneering spirit that is at the heart of the University of Manchester and the city region, which aims to make The University of Manchester one of the top 25 universities in the world. The plan identifies three goals: Research and Discovery, Teaching and Learning, Social Responsibility and four themes: Our People Our Values, Civic Engagement, Global Influence and Innovation.

The University of Manchester strives to make our community a welcoming, caring and enthusiastic one, fuelling ambition with opportunities and support to help us all achieve our personal and professional goals.

The Department works within the framework of the School of Social Sciences and the broader University to provide both a wide range of resources and considerable opportunities for collaboration in all aspects of teaching and scholarly work.

The University offers a range of support for new staff a great employment package that includes good terms & conditions and pension schemes, flexibility in approach, family friendly initiatives, development opportunities and services to support your health & wellbeing. In addition, there is a host of other staff benefits and excellent campus facilities. We care deeply about career and personal development, offering a structured induction programme for new staff, an annual performance and development review, staff training for all career stages and mentoring opportunities to support your career development.

As a global institution, situated at the heart of a lively, culturally diverse city, we welcome applicants of all nationalities. To help international job applicants plan for life in the UK, we have

put together some useful information on passports and visas, travel to the UK, accommodation and a number of other practical considerations.

Equality and Diversity
We have a genuine commitment to equality of opportunity for our staff and students, and are proud to employ a workforce that reflects the diverse community we serve. One of our guiding principles and values is Equality, Diversity and Inclusion and is at the heart of our activities and also forms part of our commitment to our strategic Goal Three: social responsibility.

Amongst many awards, the University has held an Athena SWAN Bronze Award since 2008, and was one of the first UK universities to be awarded a Race Equality Charter Mark. The School of Social Sciences was awarded Athena SWAN Bronze status in 2017, and we will be applying for a Silver Award in 2021/22. We are listed in Stonewall's list of Top 100 Employers for 2020 and Inclusive Top 50 UK Employers and have been awarded the Disability Confident Employer by Jobcentre Plus.

Building on our Athena Swan Bronze Award, the School of Social Sciences is working hard to enhance the diversity of both its staff and student communities. We currently have 15 pledges for activities to support staff and students. We run annual pre-university courses in criminology, economics, philosophy, politics, sociology and social anthropology for local state school students as well as an on-line option for those further afield and the Pathways to Law Programme for those who meet widening-participation criteria; we also participate in the University-wide Manchester Access Programme.

The Faculty Of Humanities
The Faculty of Humanities encompasses academic areas as diverse as Arts, Education, Law, Social Sciences and Business & Management. With over 16,000 students and some 1200 academic staff, it is the largest Faculty of the Humanities in the UK and is equivalent to a medium-sized university. All the disciplines in the Faculty recruit students globally and the overwhelming majority of our academics have international reputations for the quality of their research. The University is committed to the ongoing enhancement of the international profile of the Faculty of Humanities. The School of Social Sciences is one of four Schools in the Faculty.

The School of Social Sciences
The School of Social Sciences (SoSS), within the Faculty of Humanities, is home to eight distinct disciplines, the Departments of: Criminology, Economics, Law, Politics, Philosophy, Social Anthropology, Social Statistics and Sociology. The School comprises one of the largest collections of socials scientists and legalistic Scholars in the UK with over 330 academic and research staff, each of whom is supported with an annual research allowance, and over 100 Professional Service staff.

The School submitted six 'Units of Assessment' – Economics and Econometrics, Law, Politics and International Studies, Sociology, Anthropology and Development Studies and Philosophy – to the Research Excellence Framework (REF2014), which confirmed Manchester as one of the leading centres for Social Science research in the UK; ranked 3rd in the UK, based on research power. Sociology (including Social Statistics) is 1st in the UK, based on the percentage of overall research activity that is world leading (4*), and 2nd based on research power. Social Anthropology is also ranked 2nd, based on GPA (within the combined Anthropology and Development Studies assessment panel), but is now 1st among Social Anthropology Departments. Both Economics and Politics were ranked in the top 10 for Research Power.

This broad configuration of discipline strength, together with major research centres and institutes (including the ESRC Centre on Dynamics of Ethnicity, the British Election Study, the Sustainable Consumption Institute, the Cathie Marsh Institute, Manchester China Institute, Manchester International Law Centre, Centre for Social Ethics and Policy, Manchester Centre for Regulation, Governance and Public Law and the Manchester Institute for Collaborative Research on Ageing), provides an unparalleled range of degree programmes and delivers ground-breaking research, exploiting an extensive portfolio of quantitative and qualitative methods, applied to substantive socio-economic issues; including, but not limited to, macro-economic growth and development, global political economy, sustainability and consumption, social inequalities, social justice and rights, diversity and cohesion, social and cultural change and moral and ethical behaviour.

The School's international and national reputations in its constituent disciplines are reflected in the substantial external research income that it generates, ESRC recognition for training PhD students and success in securing ESRC and AHRC studentships for research postgraduates. Embracing the full range of quantitative and qualitative research methods, there are over 200 research students registered in the School supported by more than 30, annually awarded, internally funded studentships.

Individual and collaborative research is supported by the School's Research Office, whose staff provide assistance and expertise in applying for external funding and managing externally funded projects. We operate a one-semester-in-seven research leave scheme for all permanent staff on standard research and teaching contracts. Permanent academic staff, and temporary staff not on externally-funded contracts, are entitled to a generous annual research allowance (normally up to £2,000, or £1,000 for staff on teaching-focused contracts), which can be spent on a wide variety of activities including attending conferences, running research events at Manchester, and casual research assistance. The University Library is one of only five designated National Research Libraries (along with Oxford, Cambridge, LSE and SOAS) and we have an exceptionally generous library budget, allowing individual academic staff to order new library books for research and teaching purposes whenever they are required.

The School of Social Sciences is committed to research-led teaching. It has an extensive portfolio of undergraduate teaching programmes: single and joint honours programmes in its constituent disciplines; joint programmes with other Schools in the Faculty of Humanities; and large interdisciplinary programmes – the BA Economic and Social Studies and as well as the BA Social Sciences. We currently have just under 5000 UG students. At Masters Level there are currently over 900 students following our LLM, MA and MSc programmes. The student experience is supported by the provision of a range of student societies, careers provision, study abroad, our own Moot Court and by voluntary practical work in the Legal Advice Centre (LAC) and Justice Hub, a pro bono centre where students have the opportunity to assess and advise on problems presented by local clients. Teaching quality is high across the School's disciplines, and is recognised in promotions and by Faculty and University Teaching Awards.

The University and the City

The University's main campus is located only a short distance from the city centre and offers outstanding provision for research. The University of Manchester Library is one of only five National Research Libraries and, as such, it is one of the best-resourced academic libraries in the country. Manchester Central Library re-opened to great acclaim in March 2014 following a massive refurbishment which has not only preserved its historic features but has also transformed it to 21st century standards. The neo-gothic John Rylands Library on Deansgate, with its

spectacular Reading Room, holds the University's Special Collections and hosts regular exhibitions and events.

The city of Manchester is one of the great European cities. Its architecture represents one of the high points of Victorian achievement. The modern city is a major centre of banking, commerce and manufacturing. It has a highly cosmopolitan atmosphere, and its cultural and sporting life are internationally renowned.

Manchester's cultural venues include the Bridgewater Hall, home of the Hallé orchestra; the Royal Exchange Theatre; the outstanding Museum of Science and Industry (MOSI); the arts complex HOME; Manchester Art Gallery; and the University's Whitworth Gallery, winner of the Art Fund's Museum of the Year in 2015. The Royal Northern College of Music, next door to the University on Oxford Road, hosts regular lunchtime and evening concerts, and the Manchester-based Camerata chamber orchestra plays at a variety of venues.

Salford Quays – a short tram ride from the city centre – boasts the Lowry Centre, which hosts exhibitions, concerts, and dance and theatre productions as well as a permanent Lowry exhibition, and MediaCityUK, the new base for an increasing amount of BBC production as well as Granada TV and the BBC Philharmonic Orchestra. Across the Manchester Ship Canal in Trafford is the Imperial War Museum North, designed by Daniel Libeskind.

Manchester hosts the biennial Manchester International Festival, which focusses on original new work. From 2019, the Festival is due to be housed at The Factory, a theatre and arts venue to be built on the old Granada Studios site whose name pays homage to Tony Wilson's world-famous Factory Records.

Manchester is also home to two Premier League football teams, the National Football Museum, the Old Trafford cricket ground, and the Manchester Velodrome, home to the National Cycling Centre. The University is a stakeholder in the Manchester Aquatics Centre on Oxford Road, which offers an on-campus, world-class 50m swimming pool as well as full gym facilities and fitness classes.

For food lovers, Manchester boasts many outstanding restaurants, catering to a very wide variety of culinary tastes and budgets. It is home to Europe's fastest-growing Chinatown and, a short walk south of the University, perhaps the best stretch of road in the entire country for Indian and Pakistani food.

Housing is varied and plentiful. Schooling ranges from world-famous private schools to excellent sixth-form colleges and comprehensives. Manchester is well-served by a major international airport, with direct scheduled flights to many destinations in Europe as well as North America, Asia and direct flights to Beijing. Manchester Piccadilly railway station is served by inter-city and other train services, including direct services to Manchester Airport (15-20 minutes), London (just over 2 hours), Birmingham (90 minutes), Oxford, Glasgow and Edinburgh. Sheffield, Leeds and Liverpool are all less than an hour away by train. The expanding network of Metrolink tram service offers an alternative mode of public transport from an increasing number of areas of the conurbation (including services to Manchester Airport). Some of the most beautiful countryside in Europe is just over thirty minutes' drive from the University in the Peak District National Park, and the Yorkshire Dales are also easily accessible to the North. The Lake District and Snowdonia are also within easy reach.