



## Person Specification

This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

**Job title: Assistant Professor in Geographic Data Science (GDS)**

**Department: Geography and Environment**

**Accountable to: Head of Department**

Requirements	E/D
<b>1. Research</b>	
Expertise and research interests in Geographic Data Science; Spatial Analysis Techniques; Geographical Information Systems (GIS); Analysis of Spatial Socio-Economic Data: Methods and Theories.	E
A completed PhD, or close to obtaining a PhD by the post start date, in the fields of: Data Science; Economic Geography; Economics; closely related areas with an emphasis on quantitative methods for the analysis of spatial socio-economic phenomena.	E
A track record or trajectory of internationally excellent publications	E
Proven ability, as evidenced by existing publications, or potential to publish in top refereed journals.	E
A clear, well developed and viable strategy for future outstanding research that has the potential to result in world-leading publications	E
Ability to establish an international reputation in geographical Data Science; Spatial Analysis Techniques; Geographical Information Systems (GIS); Analysis of Spatial Socio-Economic Data; Quantitative Methods for the analysis of spatial socio-economic phenomena.	E
Ability to attract external funding	D



Ability to undertake research that has impact and ability to engage in knowledge exchange	D
Advanced training in quantitative research methods	E
Willingness to engage in collaborative research with other members of the Department, and with related research centres and disciplines.	D
<b>2. Teaching</b>	
Ability to teach courses in Geographic Data Science; Spatial Analysis Techniques; Geographical Information Systems (GIS); Analysis of Spatial Socio-Economic Data: Methods and Theories; quantitative methods for the analysis of spatial socio-economic phenomena at BSc and MSc level.	E
Experience in teaching course in Geographic Data Science; Spatial Analysis Techniques; Geographical Information Systems (GIS); Analysis of Spatial Socio-Economic Data: Methods and Theories; quantitative methods for the analysis of spatial socio-economic phenomena at BSc and MSc level.	D
A commitment to high quality teaching and fostering a positive learning environment for students, including pastoral care	E
Teaching-related administrative experience	D
Experience in teaching that involves the use of modern data science software tools (such as Python, R and Stata) and technologies (such as big data scraping and analysis, visualisation, and large-scale machine learning)	D
Experience or interest in using real-world datasets in teaching	D
<b>3. Other</b>	
A commitment to work as part of a team in assisting the smooth running of the Department and its teaching programmes (in particular the MSc Geographic Data Science)	E
Excellent written and oral communication skills, including an ability to place one's specialist work within a broader social science context	E
Evidence of innovation or creativity in research or teaching	D



Evidence of the ability to develop, or commitment to developing, a novel and independent research agenda – significantly distinct from their doctoral research (this is particularly important for candidates who completed their studies some time prior to the date of application and/or candidates who are completing/completed their studies at the Department).	D
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**E – Essential: Requirements without which the job could not be done.**

**D – Desirable: Requirements that would enable the candidate to perform the job well.**