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: Research Fellow in Data Science

Department/Division: Social and Economic Data Sciences Unit
Accountable to: SEDS Director (working with IMT/HPC Director)

Evidence	E/D
• Educated to PhD level by the post start date	E
• Evidence of strong computer programming skills, preferably R and/or Python	E
• Experience or the ability to learn the use of git and GitHub	E
• Evidence of computer programming skills and experience in SQL and in managing databases using a standard open-source database manager (e.g. MySQL, PostgreSQL)	E
• Ability to publish material on the web, through web page content managers or static website systems (Jekyll, Hugo)	E
• Experience with or the ability to learn quickly interaction with high performance computing solutions	E
• Experience with or the ability to learn quickly use of private cloud computing through virtual machines, such as OpenStack and/or Amazon's EC2	E
• Experience with "web scraping" to extract text systematically from web pages	D
Other knowledge, experience, abilities that are also required:	
• The ability to communicate technical issues effectively to a semi-technical audience	E
• A willingness to work with less technical people in a supporting and collaborative role	E
• Participation in workshops and conferences as part of the support activities	E
• A willingness to work in a new role whose precise parameters will be refined throughout the period of the appointment	E
• Ability to cooperate and collaborate with partners outside of the School	E
• Ability to contribute to technical teaching, especially in data management and/or computer programming	E

E – Essential: Requirements without which the job could not be done.
D – Desirable: Requirements that would enable the candidate to perform the job well.