



Job Description

This form summarises the purpose of the job and lists its key tasks. It is not a definitive list of all the tasks to be undertaken as those can be varied from time to time at the discretion of the School, in consultation with the postholder.

Job title: Research Officer in Computational Social Science

Department/Division: Department of Methodology Accountable to: Dr Milena Tsvetkova

Job Summary

This full-time position is part of Dr Milena Tsvetkova's ERC-funded project "HUMANET: Human-Machine Social Systems" in the Department of Methodology. The project will employ virtual-lab and field experiments, agent-based models, and web data mining and analysis to investigate how humans interact with intelligent machines such as algorithms and bots, how human-machine interactions differ from human-human and machine-machine interactions, and how these interactions affect collective outcomes such as cooperation and social contagion in networks and online communities.

The ideal candidate will have successfully completed or be close to completing a PhD in computer science, information science, data science, social psychology, sociology, psychology, computational social science or a related field by the post start date. They will have experience with mining and analysing web data, developing interactive web applications such as games and bots, designing and conducting online experiments, and/or working with agent-based models and simulations.

Duties and Responsibilities

The post involves designing and conducting research in close collaboration with other project team members and Dr Tsvetkova.

Range of Research Activities and Responsibilities

- Conducting research projects or programmes both independently and in a team.
- Demonstrating the ability to analyse and research complex ideas, concepts or theories and applying appropriate methodologies.
- Identifying and reviewing relevant literature.
- Designing and developing research tools and applications.
- Designing and conducting data collection and analysis.
- Writing up co-authored research for publication in a variety of modes including peer reviewed journals.
- Presenting research papers at conferences.
- Organising conferences, seminars and workshops.
- Contributing creative solutions to research challenges.

Activities relating to administration and management and/or School service may include:

- Playing a constructive role in the life of the Department.
- Managing the activities of research assistants on a day-to-day basis.



All of the above subject to the contractual obligations imposed by the external funding agency and with the agreement of the grant-holder, Principal Investigator and/or Head of Department.

Flexibility

To deliver services effectively, a degree of flexibility may be required in the duties performed in order to meet the exigencies of service. Job roles may also naturally develop over time and ongoing substantial changes to a role will be discussed between line managers and their staff, with job descriptions updated as and when appropriate.

Equity, Diversity and Inclusion (EDI)

LSE is committed to building a diverse, equitable and truly inclusive university. All posts (and post holders) will seek to ensure diversity and inclusion, while opposing all forms of unlawful and unfair discrimination on the grounds of age, disability, gender identity, marriage and civil partnership, pregnancy and maternity, race, nationality, ethnic or national origin, religion or belief, sex and sexual orientation, or social and economic background.

Ethics Code

Posts (and post holders) are assumed to have a responsibility to act in accordance with the School's Ethics Code and to promote the principles and values that the Code enshrines. The Ethics Code clearly states that the whole LSE community, including all staff, students, and governors of LSE, are expected to act in accordance with the principles which are set out in the Code. As such you are required to read and familiarise yourself with it. The School's Effective Behaviours Framework is designed to support this Code. It sets out examples for the six behaviours that all staff are expected to demonstrate, these can be found on the following link: [click here](#)

Environmental Sustainability

The post holder is required to minimise environmental impact in the performance of the role, and actively contribute to the delivery of the LSE Environmental Policy.