



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

Department: Statistics

Accountable to: Head of Department

Job Summary

The appointee will conduct the research for EPSRC programme grant “Network Stochastic Processes and Time Series (NeST)” under the direction of Professor Qiwei Yao.

NeST is a collaborative six-year EPSRC Programme Grant led by a team of 9 investigators located in 6 UK universities. NeST enables cross-over and the sharing of ideas and techniques across the universities. The investigatory team is diverse in many ways, but in particular has technical diversity with expertise in statistics, applied probability, computational methods, mathematics and experience of extensive engagement with external partners. Each project/investigator will recruit postdoctoral researchers and a number of PhD students. NeST's configuration has advantages for postdoctoral researchers as you will not only have access to your project leaders and team, but ultimately all members of the team across the 6 institutions and the flow of ideas and problems across NeST. We envisage frequent virtual and sometimes in person meetings between all members of the team, but also annual gatherings and coordinated meets at events such as workshops and conferences as appropriate. Further information on NeST is available at <https://nest-programme.org.uk/>

You will have access to, and potential opportunities to work with a larger team consisting of academics (Ed Cohen, Nick Heard, Marina Knight, Guy Nason, Matthew Nunes, Gesine Reinert, Patrick Rubin-Delanchy and Almut Veraart), which collectively covers a wide range of research in NeST areas, and a growing cohort of postdoctoral and PhD student colleagues spread over the constituent universities.

Duties and Responsibilities

Range of Research Activities and Responsibilities

- Conducting research projects or programmes either independently or in a team.
- Demonstrating the ability to analyse and research complex ideas, concepts or theories and applying appropriate methodologies.
- Designing and conducting numerical work with both simulated and real data.
- Contributing to the formulation of peer reviewed research grant proposals.
- Writing up research for publication in a variety of modes including peer reviewed journals.
- Initiating and sustaining links with external bodies to foster collaboration.
- 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 Centre/Institute/Department.
- Initiating and maintaining research exchanges with PhD students in the Department.

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 Centre.

Note

The LSE has a progressive pay structure that rewards you with annual pay increases up to a certain level as you develop in your role. We also provide for further reward past this point in the form of further pay increases based on exceptional performance.

Flexibility

To deliver services effectively, a degree of flexibility is needed, and the post holder may be required to perform work not specifically referred to above.

Equality and Diversity

To uphold the School's commitment to equality of respect and opportunity, as set out in the [Ethics Code](#), we will treat all people with dignity and respect, and ensure that no one will be treated less favourably because of their role at the School, age, sex, disability, gender identity, race, religion or belief, sexual orientation, marriage and civil partnership, pregnancy and maternity, or social and economic background. For the full Equity, Diversity and Inclusion policy statement, please see the [EDI website](#).

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.