

EURAXESS

Full time post-doc researcher on Bayesian Statistics

3 Apr 2024

Job Information

Organisation/Company	UNIVERSITAT POMPEU FABRA
Department	Department of Economics and Business
Research Field	Mathematics » Statistics Economics » Econometrics
Researcher Profile	First Stage Researcher (R1)
Country	Spain
Application Deadline	8 Apr 2024 - 17:00 (Europe/Madrid)
Type of Contract	Temporary
Job Status	Full-time
Hours Per Week	37,5
Offer Starting Date	1 Jun 2024
Is the job funded through the EU Research Framework Programme?	European Union / Next Generation EU
Reference Number	CNS2022-135963
	No

Is the Job related to staff position
within a Research Infrastructure?

Offer Description

A position of research staff is called for under a temporary contract with funding from the Plan de Recuperación, Transformación y Resiliencia for the execution of the project "Ampliando Límites en Inferencia Estadística".

The functions to be developed are:

Elaboration of academic articles where theory and methodology of data analysis are developed for graphical models, causal inference and model selection in regression contexts. Implementation of this methodology in free software.

Experience in research on Bayesian statistics is required

Requirements

Research Field Economics » Econometrics

Education Level PhD or equivalent

Research Field Mathematics » Statistics

Education Level PhD or equivalent

Skills/Qualifications

Specific tasks:

- During months 1-6, the researcher will formulate a Bayesian statistical approach to learn directed acyclic graphs (DAGs) from multivariate data, where the parameterization is designed to consider that the goal is to know the total causal effect of a treatment variable on an outcome. The formulation will include the study of the relationship between this parameterization and standard DAG parameterizations, regarding the interpretation of the parameters and how to impose constraints to enforce the conditional independences imposed by the DAG.
- During months 7-12 the researcher will implement the methodology developed in open source software, illustrate the methodology with empirical examples and prepare a manuscript for publication.

Specific Requirements

GENERAL

- Be in possession of the Doctor's degree
- Not having been separated by means of a disciplinary file from the service of any of the public administrations, nor having been disqualified by a final judgment for the performance of public functions. In the case of being a national of another State, not being disqualified or in an equivalent situation or having been subjected to disciplinary sanctions or equivalent that prevents, in their State, access to public jobs in the same terms.

SPECIFIC

- Experience in research on Bayesian statistics.

These participation requirements must be fulfilled on the last day of the deadline for submitting applications, they must be able to be reliably proven at any time during the selection process and they must continue to be fulfilled on the date of signing the contract.

Languages	ENGLISH
Level	Excellent
Research Field	Mathematics » StatisticsEconomics » Econometrics
Years of Research Experience	1 - 4

Additional Information

Benefits

Dedication: 37.5 hours per week

Remuneration of the contract: Annual gross amount 39,952.80 Euros.

The duration of this contract is expected to be one year.

Selection process

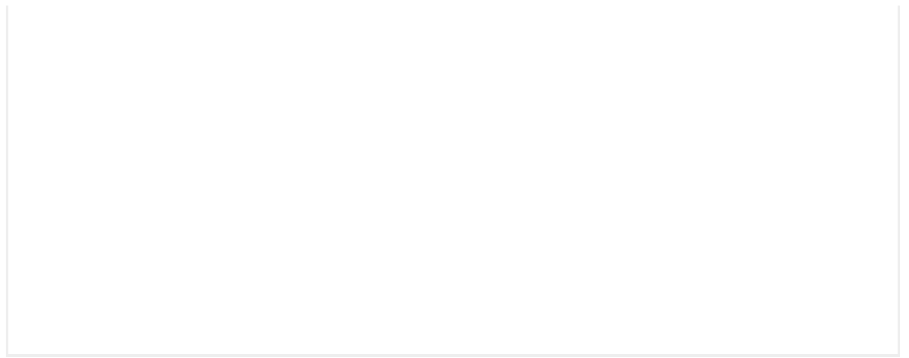
When evaluating the candidates, it will be taken into account that they comply with the general and specific requirements and their suitability for the job will be assessed with the following documentation provided:

- C.V
- Research statement

Website for additional job details <https://www.upf.edu/web/econ/research-project-positions>

Work Location(s)

Number of offers available	1
Company/Institute	Economics and Business Department, Pompeu Fabra University.
Country	Spain
State/Province	Barcelona
City	Barcelona
Postal Code	08005
Street	Ramon Trias Fargas, 25
Geofield	<div style="border: 1px solid black; height: 100px; width: 100%;"></div>



Where to apply

E-mail susana.gough@upf.edu

Contact

State/Province Draft
City Barcelona
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