IC2021_01_RESEARCH TECHNICIAN IN MATHEMATICAL MODELLING APPLIED TO HEALTH

Company Description

BCAM is the Research Center on applied mathematics created with the support of the Basque Government and the University of the Basque Country, which aims to strengthen the Basque science and technology system, by performing interdisciplinary research in the frontiers of mathematics, talented scientists' training and attraction, so the excellence of our results are recognized by the Society.

Information

Deadline: 2021-02-26
Category: Business
Province: Bizkaia
Country: Basque Country
City: Bilbao

Company

BCAM

Main functions, requisites & benefits

Main functions

The Basque Center for Applied Mathematics (BCAM), with the collaboration of the Basque Country Health System has published the call for 3 Research Technician positions in the following areas: Applied Statistics in Health: This project is titled "Big data tools and artificial intelligence for patient stratification: strategic planning of health resources and design and implementation of interventions". It aims to develop and validate prediction models for the stratification of the Basque Country population according to health needs. This stratification will help the Basque health system to: Plan ahead and reduce health care costs Offer care indicators adjusted by risk Identify special target populations (e.g., complex chronic patients or patients with prevalent chronic pathologies and high consumption of resources) to design and apply interventions adapted to the needs of the individuals in these group. The project will be carried out in collaboration in collaboration with the "Grupo de estratificación" from the Basque Country. Although the position is opened for one year, it is expected that the project will have a longer duration and there may be the possibility to pursue a PhD during its execution. Machine Learning: The "Machine Learning" research line at the BCAM looks for a PhD candidate to work in a project of machine learning applied to personalized medicine. Mathematical and Theoretical Biology Group: Modelling of influenza-like illness (ILI) and severe acute respiratory infection (SARS): evaluation of public health intervention measures.

Requisites

Master's degree in Statistics, Computer Science, or a closely related field.