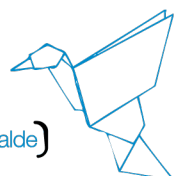


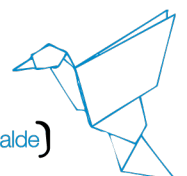
Research Technician in Big data tools and artificial intelligence for patient stratification

Job Offer	
Topics:	In the framework of the BCAM “ <i>Mathematical modelling applied to health</i> ” strategy, a series of projects in this field will be launched in different areas of Applied Mathematics. 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 <i>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 (1) plan ahead and reduce health care costs; (2) offer care indicators adjusted by risk; and (3) 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.</i>
PI in charge:	María Xosé Rodríguez Álvarez (BCAM - Ikerbasque) /Eduardo Millán Ortuondo (Osakidetza)
Salary and conditions:	The gross annual salary of the Fellowship will be 18.000 - 26.000€. It will then be on your own responsibility to make your yearly income declaration at the Bizkaia Treasury Agency. There is a moving allowance for those researchers that come from a research institution outside the Basque Country from EUR 500 to EUR 1.000 gross. <i>Free access to the Public Health System in Spain is provided to all employees.</i>
No Positions offered:	#1
Contract and offer:	1 year contract
Deadline:	February 26th 2021 14:00 CET
How to apply:	Applications must be submitted on-line at: http://www.bcamath.org/en/research/job



Scientific Profile Requested	
Requirements:	• Master's degree in Statistics, Computer Science, or a closely related field. • Strong background in Statistics and Mathematics and Data Analysis. • Fluency in spoken and written Spanish. • Fluency in spoken and written English.
Skills and track-record:	• Ability to analyse data, perform statistical analysis and interpret results. • Strong analytical and problem-solving skills. • Strong programming skills. • Good interpersonal skills. • Ability to effectively communicate and present research ideas to researchers and stakeholders with different backgrounds. • Demonstrated high level written and oral communication skills. • Demonstrated ability to work independently and as part of a collaborative research team.
Scientific Profile:	The preferred candidate will have: • Strong background in Statistics and Mathematics. • Demonstrated knowledge in advanced statistical methods and/or machine learning techniques. • Good programming skills in R and/or Python. • Knowledge in Data Management and Database systems (e.g. SQL, Cassandra) and Big Data Tools (e.g.: Hadoop, MongoDB, etc.). • Research experience in interdisciplinary applications (e.g.: Health, Life Sciences and Economics).

Application and Selection Process	
Formal Requirements:	The selected candidate must have applied before the application deadline online at the webpage http://www.bcamath.org/en/research/job The candidates that do not fulfil the mandatory requirements will not be evaluated with respect to their scientific profile. Additional documents could be requested during the evaluation process so as to check this fulfilment.
Application:	Required documents:



IC2021_01 BCAM International Call

	▪ CV ▪ Letter of interest ▪ 2 recommendation letters (desirable)
Evaluation:	Based on the provided application documents of each candidate, the evaluation committee will evaluate qualitatively: the adaption of the previous training and career to the profile offered, the recommendation letters, the main results achieved (papers, proceedings, etc.), the letter of interest, and other merits; taking in account the alignment of these items to the job offered.
Incorporation:	Spring 2021 or as soon as possible thereafter.

