

The Charles Darwin Foundation for the Galapagos Islands is recruiting a Data Science Researcher (Data Scientist)

Application Deadline: Until fills the position.

Duration: 12 months (renewable employment contract)

Introduction

The CDF carries out several scientific projects for the conservation of the biodiversity of the Galapagos Islands and its protected areas, as well as studies on the Galapagos society and its implications for achieving its development in a complex socio-ecosystem such as the Galapagos context. In this digital age of voluminous data generation, a data scientist is required who can apply state-of-the-art techniques and technology to get the best out of themselves. With this profile, it is also possible to properly understand and take advantage of the data and offer analyses that rise to the level of technical assistance for making the right decisions for the Insular Region.

The Data Scientist will also be responsible for developing, from the 'Innovation, Research and Development (IID)' department, the data management policies for scientific research, OpenData, and OpenScience.

The position requires a specialty in quantitative analysis and statistics, a fourth-level degree in Data Science or similar, and preferably previous experience with the communities and institutions of Galapagos.

Position objective

Generate projects and initiatives in data science and promote an OpenData culture at CDF.

Required profile

- Degree in Big Data, Data Science, Artificial Intelligence, or Machine Learning.
- Three years of experience in information analysis projects (biology or conservation), Data Science, and OpenData culture.
- Advanced knowledge in **R** (statistical computing) for data manipulation, report generation (Markdown), and quantitative model generation, as well as the **Python** programming language (and its popular frameworks) in similar branches.
- Visualizers and web applications (Dash, Shiny).
- Impeccable communication skills.
- Bilingual (Spanish/English).

Responsibilities and Activities

- Bring CDF's scientific production towards the culture of OpenData.
- Develop, implement and socialize institutional policy on OpenData.
- Carry out data processing and representations (viewers) to generate information about CDF's scientific projects.
- Execute data science projects and their respective reports and scientific publications.
- Coordinate the human work that requires data collection, dictionaries, and metadata generation for better information exploration.
- Contribute to developing and improving the institutional website's data outlet (data zone).
- Propose initiatives to improve data processing and/or information extraction from CDF scientific production data sets by using Machine Learning.

Conditions

The data scientist will report directly to the CDF Information Technology Coordinator. The selected candidate will be based at the Charles Darwin Research Station (ECCD) in Puerto Ayora, Santa Cruz Island of the Galapagos archipelago, Ecuador.

The data scientist is expected to work 40 hours per week, from (Monday to Friday 07:45-12:30 and 14:00-17:15). Depending on project activities, such as field trips, this schedule may change.

How to apply

Those interested in this position should send the following documents (in a single PDF file) via email at pro.seleccion@fcdarwin.org.ec

- Updated resume.
- Letter of interest, describing your proficiencies according to the minimum requirements for this position.
- Two professional letters of recommendation, including names and email addresses of references.

If you need additional information, please get in touch with the email above.