Senior Data Scientist / Biostatistician
Bordeaux, France

Would you like to join a dynamic and exciting health-tech company that uses cutting edge technologies to deliver a world changing solution that has a direct impact on the lives of cancer and rare disease patients worldwide? Join our growing team in Pessac (near Bordeaux, France) and use your exceptional abilities and knowledge skills to help us deliver on our mission of democratizing Data-Driven Medicine.

We are looking for a talented and motivated **Senior Data Scientist/Biostatistician** in Pessac (near Bordeaux, France).

SOPHiA GENETICS started the Radiomics project two years ago. We are developing a software dedicated to the processing of medical-image data and to the personalization of patient follow-up. As the product, the amount of data collected and the number of customers are continuously increasing, we face new challenges. This is an excellent opportunity to join a growing team of young and dynamic people.

Within the Biostatistics team of the Data Science department, you will help solve the problems faced by clinicians in innovative and effective ways. You will carry out explanatory and predictive statistical studies using multi-modal and longitudinal data. You will then present your results using clear and engaging language to make them understandable to a non-specialized public. You will also participate in the deployment of our machine learning models into production.

You are motivated and enthusiastic, with the right combination of technical, analytical and communication skills. You are a team player and have the ability to work autonomously on both short and long-term projects.

Your mission

- Implement innovative and impactful algorithms for personalized patient follow-up (classification, dynamic prediction, optimized follow-up, …)
- Work closely with IT team to translate models and algorithms into engineered production applications
- Monitor computational algorithms (tests, evaluation through predictive performances, computational time) and report to other teams
- Perform statistical analyses for clinicians needs (exploratory data analysis, classification, survival analysis, longitudinal data analysis, …)
- R&D for proactive monitoring and proposal of new algorithms (through machine learning, explanatory models, software solution, …)

Your profile

- Preferably PhD in Machine Learning, Biostatistics or Applied Statistics (Applications with Engineer or Master 2 degree in these areas will also be considered)
- At least 5 years of experience as a Data

- A strong background in the development of machine learning and statistical algorithms for solving important large and complex problems
- Strong programming skills in R (+ Python is an asset)
- The ability to work effectively as part of a multi-disciplinary research team, plus the motivation and discipline to carry out autonomous research
- Communication skills
- Fluency in French + comfortable with English
- Experience/Interest in the healthcare industry, especially in oncology, would be an asset

We offer

- A permanent contract (CDI)
- A compensation package for 39 hours a week
- A flexible and friendly working environment with a collaborative atmosphere
- An exciting company mission that brings together science and technology to directly impact the lives of patients with life threatening illness
- A fast-growing company with plenty of opportunity for personal growth and development
- A hard-technical challenge to solve with exciting modern technology – machine learning, biostatistics, big data, cloud computing

Start: ASAP (or as agreed)

Application process

If you think you fit this position, please send a CV and a cover letter. Please note that incomplete applications will not be considered.

After an initial screening process, candidates will be invited for remote interviews. Selected candidates will then be invited for personal interviews.

Location

Bâtiment Gienah
11 avenue de Canteranne
33600 Pessac, France