

## Data Scientist in Advanced Methods department – Permanent position

Horiana is a consulting company dedicated to epidemiology and biostatistics, designing and conducting real world healthcare studies. Horiana aims to support its clients – private and public/academic professionals in the healthcare field – at all stages of their projects.

Horiana is currently expanding its team with a full-time permanent position for a data scientist (M/F). The position is based in Bordeaux (33) or remotely, depending on the profile of the candidate.

Within the Advanced Methods Department, you will contribute to forward-looking methodological developments, with a strong focus on synthetic patients generation, including Bayesian networks, ML-based generative models, and simulation engines, federated analytics approaches ensuring privacy-preserving statistical modelling across distributed datasets, and upcoming data science innovations. As a Data Scientist, you will work at the crossroads of machine learning, causal inference, and advanced statistical modelling. You will be involved in designing, developing, and implementing innovative computational pipelines.

### Profile

We are looking for a motivated and rigorous Data Scientist with the following background:

- MSc (or PhD) in Data Science, Statistics, Computer Science, Applied Mathematics, Biomedical Engineering, or related field.
- 3 to 5 years of experience, ideally in the healthcare sector (pharma, CRO, medtech, biotech, or academic research).
- Proven ability to code in Python (mandatory)
- Familiarity with Bayesian modelling, generative models, or causal inference is a strong asset.
- Strong problem solving skills and appetite for methodological innovation.
- Ability to work in a multidisciplinary environment and communicate technical subjects clearly.
- Fluency in English.
- Autonomy, organization skills, curiosity, and team spirit.

### Missions

- Develop and implement algorithms for synthetic patient generation using ML and Bayesian networks.
- Contribute to the development of federated analytics pipelines.
- Participate in innovative methodological research and prototyping.
- Contribute to the preparation of scientific and technical documentation (methods, interpretation, reports).
- Support biostatistical teams with advanced modelling components when needed.
- Participate in internal training and knowledge sharing activities.
- Ensure high quality delivery within expected timelines

Salary according to skills and experience.

Contact : [info@horiana.com](mailto:info@horiana.com)