

Job title	<i>Data Scientist</i>
Reports to	<i>Chief Medical Science Officer</i>

Job Purpose

The Data Scientist's main responsibility is to deliver research projects using advanced analytics and data sciences in various therapeutic areas. Data Scientists provide technical and strategic input on projects with the aim of bringing clinical biostatistics expertise into a data science project, as well as providing knowledge on study methods and results to bridge multiple sources of data, statistical analysis plans, and available data generated on previous data studies.

Duties and Responsibilities

- Under the leadership of the Chief Data Scientist, work in collaboration with the data science team members and other functions to address research questions using advanced analytics and data sciences
- Provide technical and strategic input on projects with the aim of bringing a clinical biostatistics expertise into data science projects, as well as providing knowledge on improvement of existing data assets and statistical analysis capability
 - Translate project needs and goals into a data science plan describing research questions, data requirements, endpoint definitions, and the advanced analytics approach, using advanced statistical methods
- Be responsible for preparing data and executing data analyses and/or be accountable for data sciences projects
- Present results to stakeholders and other members of the project team
- Write a clinical data sciences report on assigned projects • Contribute to the development of clinical data assets in collaboration with data engineering and systems analysis teams
- Standardize and centralize analysis data assets for future data science projects
- Actively contribute to the development of competencies in advanced analytics methods across the Information Sciences department by delivering internal training and collaboration with team on data projects
- Monitor research and literature in data sciences to lead development of innovative methods in data sciences
- Facilitate knowledge transfer into the appropriate functional groups and projects
- Support other groups in the organization to scope and develop capabilities in advanced analytics across the organization systems and tools

Training

List any training required to perform this job function.

- GRN HIPAA /Privacy and Compliance Training
- PostgreSQL 9.6 Professional Certification or 3+ years' experience with PostgreSQL
- PostgreSQL Data warehousing & Partitioning

Qualifications

- MSc or PhD in data sciences, computer sciences, biostatistics, or related field required
- 3+ years diverse experience applying advanced analytics in clinical trials and clinical development
- Experience managing data-driven research from project inception to completion
- Deep knowledge of real-world healthcare data and electronic health records
- Proficient in R and SAS. Experience with other data sciences languages such as Python, Java or C++
- Ability to thrive in a dynamic and fast-paced environment and drive change, collaborate effectively with a variety of individuals in the organization
- Excellent problem-solving skills
- Proven strong written and oral communication skills

Working conditions

Day shift with standard working hours (8AM – 5 PM); Office environment with regular computer usage. Possible on-call rotation.

Direct reports

TBD

Approved by:	
Date approved:	
Reviewed:	