

Senior Expert Data Science (Statistician)

Job ID
REQ-10015262
Jul 21, 2024
India

Summary

Work closely with project teams (FPL, DPPL, APL) and innovation teams to drive use of statistical and data science methods in combined lab and computational experimental planning, analysis and reporting for the development of synthetic molecule formulations. Enable scientists to independently work with basic statistical methods while directly supporting advanced statistical and AI tasks. Apply statistical and data science methods to generate business insights for continuous improvement and enhancing our ways of working.

About the Role

Your responsibilities will include, but are not limited to:

- Project manage own tasks and works with team members; plans proactively, anticipates, and actively manages change,
- Supports teams to set stakeholder expectations as required, identify operational risks and provide insights leading to effective mitigations.
- Collaborate with internal stakeholders, external partners, and cross-functional teams to solve critical business problems.
- Research, develop and/or co-develop new algorithms, methods, statistical models and business models and providing insight into structured and unstructured data.
- Quickly learn to use tools, data sources and analytical techniques needed to answer a wide range of critical business questions
- Assist in building and rolling out tools to enable scientific colleagues to effectively analyze large amounts of data using basic statistical tools with minimal oversight.
- Support the evaluation of novel software, visualization tools and new approaches to statistics and AI to increase efficiency and quality of the Novartis practices.
- Independently identify research articles and propose them for application to Novartis business problems.
- Develop automation for repeatedly refreshing analysis and generating insights.
- Articulate solutions/recommendations to business users.
- Present analytical content concisely and effectively
- Ability to provide understandable and actionable business intelligence for key stakeholders.

Minimum Requirements:

•Minimum: Advanced degree in mathematics, physical science, or relevant discipline (PhD or equivalent) with a strong focus on statistical and data science techniques. Desirable: Ph.D. in scientific or relevant discipline or equivalent

- Expert in statistical experimental design such as Design of Experiments, Bayesian optimization etc.
- Expert in multi-variate data analysis
- Experienced in AI with particular focus on machine learning application to data driven models and predictive analytics
- Understanding of the development of pharmaceutical formulations including solid understanding of QbD principles
- Interdisciplinary thinking and interest in collaboration with other functions.
- Successfully demonstrated track record of creativity and problem solving in projects.
- Knowledge of relevant GLP, GMP regulations and policies.
- Strong presentation skills and scientific/technical writing skills.
- Good project management skills.
- Good communication skills, organizational, planning and negotiation skills.
- Excellent coaching skills
- Experience in programming, e.g. python, R etc.

Why Novartis: Helping people with disease and their families takes more than innovative science. It takes a community of smart, passionate people like you. Collaborating, supporting and inspiring each other. Combining to achieve breakthroughs that change patients' lives. Ready to create a brighter future together?
<https://www.novartis.com/about/strategy/people-and-culture>

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Novartis is committed to building an outstanding, inclusive work environment and diverse teams' representative of the patients and communities we serve.

Division

Development

Business Unit

Innovative Medicines

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Data Science

Job Type

Full time

Employment Type

Regular
Shift Work
No
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Accessibility and accommodation

Novartis is committed to working with and providing reasonable accommodation to individuals with disabilities. If, because of a medical condition or disability, you need a reasonable accommodation for any part of the recruitment process, or in order to perform the essential functions of a position, please send an e-mail to diversityandincl.india@novartis.com and let us know the nature of your request and your contact information. Please include the job requisition number in your message.

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