

# Senior Expert Data Science

Job ID

REQ-10027677

Nov 11, 2024

India

## About the Role

Major accountabilities:

- Project manages own tasks and work 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.
- Interface between IT and business needs for lab digitalization.
- 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:

Education and Work Experience:

- Minimum: Advanced degree in statistics, data science, physical science, engineering, pharmaceuticals or relevant discipline (PhD or equivalent) with a strong focus on DoE, combining experiments and simulations or data science techniques. Desirable: Ph.D. in scientific or relevant discipline or equivalent
- Experience in pharmaceuticals, food, chemicals, oil and gas or similar.
- Master's with 8-10 years' experience or PhD with 4-6 years' experience.
- Expert in statistical experimental design such as Design of Experiments, Python/R programming, Machine learning, Statistical analysis, Lab experimentation, Curiosity, Collaboration, Agile, Adaptability, Scientific acumen, Presentation/writing skills, Bayesian optimization etc.
- Expert in multi-variate data analysis
- Interdisciplinary thinking and interest in collaboration with other functions.

- Successfully demonstrated track record of creativity and problem solving in projects.
- Strong presentation skills and scientific/technical writing skills.
- Good project management skills.
- Good communication skills, organizational, planning and negotiation skills.
- Coaching skills
- Curiosity
- Skills (Desirable but not mandatory)
- Knowledge of relevant GLP, GMP regulations and policies.
- Understanding of the development of pharmaceutical formulations including solid understanding of QbD principles
- Applied Mathematics, Statistical modelling, Data Science. Data Visualization.

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## Role Requirements

**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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**Benefits and Rewards:** Read our handbook to learn about all the ways we'll help you thrive personally and professionally: <https://www.novartis.com/careers/benefits-rewards>

Division

Development

Business Unit

Innovative Medicines

Location

India

Site

Hyderabad (Office)

Company / Legal Entity

IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Functional Area

Data and Digital

Job Type

Full time

Employment Type

Regular

Shift Work

No

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