# NOVARTIS

# Director, Analytics & AI

Job ID
REQ-10033766
Dec 17, 2024
Switzerland

## Summary

This role is part of the commercial Data and Analytics team at Novartis. The Director – Analytics & AI will understand complex and critical business problems from various stakeholders and business functions, formulate an integrated analytical approach to mine data sources, and employ statistical methods, machine learning algorithms, and AI to discover actionable insights and automate processes for reducing effort and time for repeated use.

## About the Role

**Major Accountabilities:**

- Deliver data science pipelines, models, and ensure the quality of AI outcomes, with a focus on AI call planning.
- Develop and manage AI/ML-based Next Best Action (NBA) models.
- Communicate and collaborate effectively with senior stakeholders across Novartis teams, driving strategic priorities at the enterprise level in a matrix environment.
- Possess an in-depth understanding of the drug development life cycle and the commercial aspects of the pharmaceutical business.
- Stay updated with existing and emerging AI/ML tools and technologies and have a proven track record of implementing them at an enterprise level.
- Build statistical, econometric, and ML algorithms (e.g., random forest, GBM, clustering techniques), and have an advanced understanding of optimization techniques.
- Translate business requirements into problem statements and drive hypothesis generation to identify the right data science problems to be solved.
- Deliver enterprise-level scalable solutions and have proven capability in building and developing data science-driven software products, along with an understanding of software lifecycle management and agile product delivery.
- Exhibit excellent written and verbal communication, business analysis, and consultancy skill.

**Essential Requirements:**

- Master's or Ph.D. in Computer Science, Bioinformatics, Epidemiology, Statistics, Decision Science, Quantitative Research, Econometrics, or Computational Biology, along with a post-graduate degree in Business Management.
- Robust understanding of the pharmaceutical domain and pharma product life cycle.
- 12+ years of relevant experience in developing data science techniques and AI/ML product development, with an understanding of prevalent technology.

**Desirable Requirements:**

- Experience in building statistical, econometric, and ML algorithms (e.g., random forest, GBM, clustering techniques).
- Advanced understanding of optimization techniques.
- Ability to translate business requirements into problem statements and drive hypothesis generation to identify the right data science problems to be solved.
- Proven capability in building and developing data science-driven software products and understanding of software lifecycle management and agile product delivery.
- Excellent written and verbal communication, business analysis, and consultancy skills.

**Location:**

This role can be based in Basel, Switzerland. Novartis is unable to offer relocation support for this role: please only apply if this location is accessible for you.

**Benefits:**

Read our handbook to learn about all the ways we'll help you thrive personally and professionally: Novartis Life Handbook

**Commitment to Diversity & Inclusion:**

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

**Accessibility and accommodation:**

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

**Why Novartis?**

*Our purpose is to reimagine medicine to improve and extend people's lives and our vision is to become the most valued and trusted medicines company in the world. How can we achieve this? With our people. It is our associates that drive us each day to reach our ambitions. Be a part of this mission and join us! Learn more here: https://www.novartis.com/about/strategy/people-and-culture*

**Join our Novartis Network:** *If this role is not suitable to your experience or career goals but you wish to stay connected to learn more about Novartis and our career opportunities, join the Novartis Network here: https://talentnetwork.novartis.com/network*

**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

**Join our Novartis Network:** Not the right Novartis role for you? Sign up to our talent community to stay connected and learn about suitable career opportunities as soon as they come up: https://talentnetwork.novartis.com/network

**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
International
Business Unit
Innovative Medicines
Location
Switzerland
Site
Basel (City)
Company / Legal Entity
C028 (FCRS = CH028) Novartis Pharma AG
Functional Area
Data and Digital
Job Type
Full time
Employment Type
Regular
Shift Work
No
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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.

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