NOVARTIS

Associate Director, Advanced Analytics & Modeling

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Сводка

The AD, Advanced Analytics & Modeling (AAM) role will report to Director, AAM in AIDE and help translate priority business decisions into differentiated analytical capabilities, decision-ready evidence, and measurable business & patient impact. This role will lead the modeling capabilities (like KDA, PPM, Precision Health, etc,) and related business analytics to identify the factors influencing business performance and support strategic decision making. The role will partner with the business and cross-functional stakeholders to uncover growth opportunities, quantify key business drivers, generate actionable insights, and measure business impact.

The role will also collaborate seamlessly with the I&A and SPT partners – in HYD and EH, and will enable alignment of the core modeling capability ownership, roles and responsibilities, common quality expectations, and effective partnership model with different stakeholders.

About the Role

Associate Director, Advanced Analytics & Modeling

Location – Hyderabad #LI Hybrid

Major Accountabilities:

Advanced Analytics & Modeling Leadership Responsibilities

- Support the establishment and evolution of the I&A Advanced Analytics & Modeling capability, including its roadmap, maturity agenda, investment priorities, and alignment with portfolio priorities, launches, evolving customer and patient needs, and broader I&A strategy.
- Partner with AAM leadership to assess advanced analytics and ad hoc modeling needs across I&A pillars, prioritize demand, and translate business priorities into clear questions, analytical plans, and modeling agendas while challenging low-value or duplicative requests.
- Determine where analytical and limited ad hoc modeling capabilities should be built, incubated, partnered, automated, reused, or retired based on business value, feasibility, differentiation, maturity, and scalability.
- Deploy AIDE AAM expertise to test, learn, and develop reusable analytical approaches, promoting model reuse, consistency, technical standards, interpretability, human oversight, and responsible use.
- Support KDA and related capability development from problem definition through analysis, insight generation, recommendations, and implementation, including early descriptive and contextual analytics.
- Integrate brand and business context into KDA capabilities, support SPT in scaling reusable data science products, and translate complex analytical outputs into clear business storylines for I&A, senior leadership, and business stakeholders.

Integrated Partnership with SPT

- Serve as the AAM point of contact in AIDE/HYD to the SPT Data Science organization for pre-aligned capabilities and initiatives requiring governed data, technical environments, reusable capabilities, productization, integration, deployment, or enterprise scale.
- Partner with I&A and SPT to determine which use cases remain I&A-owned ad hoc analytics versus those transitioning to SPT-owned reusable products, recurring models, engines, or workflows.

Global US-Hyderabad Operating Model

- Establish HYD as an integrated capability and delivery partner, engaged early in portfolio planning, business context, analytical design, execution, quality review, synthesis, and capability development.
- Partner with EH leadership to align capability roadmaps, HYD capacity and expertise deployment, decision rights, work ownership, quality expectations, documentation, and talent priorities, while building HYD AAM capability to independently lead repeatable and increasingly complex analytical work with shared accountability for quality, interpretation, and decision impact.

Minimum Requirements:

- **Education:** Bachelor's degree in Statistics, Economics, Data Science, Applied Mathematics, Operations Research, Engineering, Computer Science, Life Sciences, Business Analytics, or a related field required.
- Master's degree or doctorate in a relevant quantitative discipline preferred.
- 10+ years of leadership experience in advanced analytics, data science, decision science, commercial analytics, healthcare analytics, or a related quantitative field.
- Proven success in defining and executing an Advanced Analytics strategy and capability roadmap across analytical domains.
- Deep working and functional knowledge of statistical analysis, predictive analytics, and ML concepts.
- Strong business acumen with experience supporting commercial, operational, or strategic decision making.

- Experience leading senior capability owners, flexible expert teams, complex portfolios, and globally distributed analytics organizations.
- Demonstrated experience applying advanced analytics to consequential commercial, patient, healthcare, launch, or enterprise decisions.
- Experience in translating complex analyses into actionable business recommendations and executive-level narratives.
- Experience establishing portfolio prioritization, capacity allocation, quality governance, and reusable capability models.
- Strong track record partnering with senior business and technology leaders and translating complex analytics into strategic choices and measurable action.
- Experience leading operating-model transformation, capability centralization or federation, and organizational change.

Leadership Skills:

- Lead and deploy HYD talent across AAM priorities, therapeutic areas, and cross-portfolio initiatives, ensuring team members build differentiated technical depth through primary capability affiliation while developing breadth across adjacent domains.
- Own KDA capability talent planning, including hiring, onboarding, goal setting, coaching, performance management, succession, career development, engagement, and retention, while building leadership depth through rotations, communities of practice, and T-shaped skill development.
- Foster a culture of collaboration, constructive challenge, innovation, inclusion, continuous improvement, and accountability across Hyderabad and cross-functional teams.

Required Skills:

- Strong expertise in Advanced Analytics & Modeling strategy, statistical analysis, predictive analytics, ML fundamentals, capability portfolio leadership, roadmap development, and investment prioritization.
- Broad fluency across predictive modeling, patient analytics, driver analytics, causal inference, experimentation, IPMM, ROI, response curves, optimization, NLP, GenAI, and unstructured analytics, with sound judgment on method fit, evidence quality, validation, interpretability, uncertainty, model risk, and responsible AI.
- Strong executive decision framing, business translation, stakeholder influence, conflict resolution, and portfolio trade-off management, with clear understanding of analytical versus technical ownership across analytics, modeling, products, platforms, and lifecycle management.
- Proficiency in SQL, Excel, Python/Data IKU, large datasets, data preparation, and analytics workflows.

Preferred Experience and Skills:

- Pharmaceutical, biotechnology, life sciences, healthcare, or another complex regulated industry.
- Experience incubating emerging AI or unstructured-data capabilities and validating use cases before scale.
- Experience establishing integrated operating models with global capability centers and AI, data, product, or platform organizations.

Location: Hyderabad NKC | Hybrid | 3 days a week in office is mandatory.

Direct Reports: 5 Senior associates along with cross-functional collaboration with 20+ associates.

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

Benefits and Rewards: Learn about all the ways we'll help you thrive personally and professionally.
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General Management
Место
Индия
Сайт
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

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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