NOVARTIS

Director, Advanced Analytics & Modeling

Job ID
REQ-10089512

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India

摘要

The Director, AMM, is accountable for the Advanced Analytics & Modeling strategy, organization and portfolio, including strategic directions, capability evolution, capacity allocation, cross-capability orchestration, analytical quality, US delivery, and decision impact.

The role holds established capability leaders accountable for differentiated roadmaps and outcomes and directly incubates AI & Unstructured Intelligence until sustained demand, maturity, and scale support a different LT model.

This role DOES NOT own the broader enterprise analytics strategy, enterprise analytics governance, technology architecture, analytics platforms, production engineering, or technical lifecycle management.

The Director aligns the Advanced Analytics & Modeling Strategy with broader I&A priorities and partners with Analytics Strategy & Governance, and SPT leaders through explicit decision rights and connected portfolio governance.

About the Role

Director, Advanced Analytics & Modeling

Location - Hyderabad #LI Hybrid

Major Accountabilities:

Advanced Analytics & Modeling Strategy & Capability Evolution

- Define and continuously evolve the Advanced Analytics & Modeling (AAM) strategy, portfolio roadmap, capability maturity agenda, and investment priorities, ensuring alignment with portfolio priorities, launches, evolving customer and patient needs, and the broader I&A capability direction.
- Establish and manage priorities across Precision Health, Key Drivers & Action Planning Analytics, Integrated Promotion Mix Modeling & Resource Optimization, and AI & Unstructured Intelligence, ensuring focus on the highest-value opportunities.
- Guide decisions on where advanced analytics capabilities should be built, incubated, partnered, scaled, automated, or retired based on business value, differentiation, feasibility, reuse potential, and maturity.

Portfolio Prioritization, Capacity & Delivery

- Establish transparent intake, prioritization, service levels, and portfolio governance across launch, brand, therapeutic-area, functional, and enterprise demand, ensuring Hyderabad capacity is allocated to the highest-value work with explicit trade-offs when demand exceeds capacity.
- Balance near-term decision support with sustained capability development, reusable methods, and cross-portfolio learning, while assigning one accountable analytical leader for cross-capability engagements to ensure integrated workplans, contributions, recommendations, and outcome measures.

Capability Portfolio Leadership & Analytical Excellence

- Establish shared expectations for analytical rigor, fit-for-purpose methods, validation, interpretability, reproducibility, documentation, peer challenge, privacy, compliance, and responsible AI across advanced analytics and modelling work.
- Resolve priorities, dependencies, quality issues, and capability seams spanning predictive analytics, patient opportunity modeling, key drivers, causal measurement, IPMM, optimization, and emerging AI methods, while promoting reuse and consistency and preserving capability-specific technical standards with appropriate adaptation to business context.

Emerging Capability: AI & Unstructured Intelligence

- Establish the Advanced Analytics strategy, roadmap, use-case priorities, capability

boundaries, and investment thesis for AI & Unstructured Intelligence, with a focus on high-value applications such as call-note and text analytics, NLP, GenAI, unstructured signal detection, evidence synthesis, summarization, and knowledge acceleration.
- Deploy AAM HYD expertise to test, learn, and build reusable analytical approaches while ensuring human oversight, interpretability, and responsible use.

Business Partnership & Decision Impact

- Translate strategic priorities into clear business questions and analytical agendas, challenging low-value, duplicative, or poorly framed demand.
- Convert analytical findings into implications, choices, recommendations, learning agendas, and measurable actions, advancing decision support through appropriate predictive, diagnostic, causal, experimental, optimization, and AI-enabled methods.

Integrated Partnership with SPT

- Serve as the Advanced Analytics & Modeling (AAM) point of contact in AIDE/HYD to the SPT organization for initiatives requiring governed data, technical environments, reusable capabilities, productization, deployment support, ModelOps, or enterprise scale.
- Ensure AAM owns its strategy, portfolio, use-case framing, analytical requirements, fit-for-purpose methodology, ad hoc model development, validation, interpretation, recommendations, acceptance, and impact measurement, while partnering with the I&A EH leader and SPT to determine which use cases remain I&A-owned analytics versus those transitioning to SPT-owned products, recurring models, engines, or workflows.
- Enable portfolio-level ownership of feasibility, reuse, capacity, investment, dependencies, and lifecycle issues within the AAM remit, escalating broader enterprise issues through appropriate governance.

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 Hyderabad leadership to align capability roadmaps, capacity, expertise, decision rights, work ownership, quality expectations, documentation, and talent priorities, matching ownership to capability maturity, technical expertise, proximity needs, and business value rather than location-based handoffs.
- Build HYD capability to independently lead repeatable and increasingly complex analytical work while maintaining shared accountability for quality, interpretation, and decision impact.

Minimum Requirements

- **Education:** Bachelor's degree in Statistics, Economics, Econometrics, Data Science, Applied Mathematics, Operations Research, Engineering, Computer Science, Life Sciences, Public Health, Business Analytics, or a related field required or Master's degree or doctorate in a relevant quantitative discipline preferred.
- 12+ years of leadership experience in advanced analytics, data science, decision science, commercial analytics, healthcare analytics, or a related quantitative field.
- Proven success defining and executing an Advanced Analytics strategy and capability roadmap across analytical domains.

- 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 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 Associate Directors and high-performing teams across capability priorities, launches, therapeutic areas, and cross-portfolio initiatives, ensuring effective alignment of expertise to business needs.
- Build strong talent and leadership depth by managing hiring, onboarding, objectives, coaching, performance, succession, career development, engagement, retention, rotations, communities of practice, and T-shaped skill development.
- Foster a culture of collaboration, constructive challenge, innovation, inclusion, continuous improvement, and accountability, while supporting I&A and AIDE leadership on talent priorities, capability planning, organizational operations, and site-level initiatives.

Success Measurements

- Priority launch, brand, functional, and portfolio decisions are improved through timely, rigorous, and actionable Advanced Analytics, with Precision Health, Key Drivers, IPMM, and AI & Unstructured Intelligence delivering against clear roadmaps, quality standards, ownership boundaries, validated value, and measurable business outcomes.
- Portfolio priorities, capacity, and trade-offs are transparent, reducing low-value or duplicative work while reusable methods, assets, and quality practices improve consistency, speed, scalability, and cross-therapeutic-area learning.
- HYD, AAM, and SPT operate with clear ownership, effective deployment, timely lifecycle decisions, strong handoffs, growing capability, sustainable utilization, and shared value realization, reinforcing senior stakeholder confidence in analytical rigor, recommendations, role clarity, and decision impact.

Required Skills

- Leadership in Advanced Analytics & Modeling strategy, capability portfolio management, roadmap development, and investment prioritization.
- Broad fluency across predictive modelling, patient analytics, driver analytics, causal inference, experimentation, IPMM, ROI, response curves, optimization, NLP, GenAI, and unstructured analytics, with strong 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, modelling, products, platforms, and lifecycle management.

Preferred Experience

- Experience in pharmaceutical, biotechnology, life sciences, healthcare, or another complex regulated industry, with exposure to product lifecycle, launches, customer and patient analytics, promotional investment, and healthcare delivery.
- Experience incubating emerging AI or unstructured-data capabilities, validating use cases before scale, and establishing integrated operating models with global capability centers and AI, data, product, or platform organizations.
- Strong healthcare and pharmaceutical commercial acumen across customer, patient, access, field, and investment decisions.
- Expertise in AI-enabled analytics, NLP, GenAI, unstructured-data methods, experimentation, simulation, and optimization, with familiarity in product management, agile delivery, analytical productization, ModelOps, and business-to-technology translation.
- Strong executive storytelling, strategic facilitation, organizational design, and transformation leadership skills.

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

Direct Reports: 5 - 10 Direct Reportees

Team size: Team of 30+ 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. Read our handbook (PDF 30 MB)

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US

Business Unit
General Management

地点
India

站点
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

var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId: "kalturaplayer6ad29b5e29523618029164", provider: { widgetId: "10m7rm1pm", partnerId: "2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false, muted: false, loop: false }, sources: { options: {}, startTime: 0 }, disableUserCache: "true", plugins: {}, sources: { options: {}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu: false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [{ presets: ['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get: kPlayer.ui.components.Remove }] } }; // Check and add plugins only if they exist if (kPlayer.plugins["download"]) { config.plugins.download = { disable: true }; } if (kPlayer.plugins["transcript"]) { config.plugins["playkit-js-transcript"] = { position: "right", // Default: bottom;('left', 'right', 'top', 'bottom') to enable transcript. expandMode: "over", // Default: alongside;('alongside', 'hidden', 'over') expandOnFirstPlay: false, showTime: true, downloadDisabled: false, printDisabled: false, disable: true }; } if (kPlayer.plugins["preventSeek"]) { config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; } config.plugins.floating = { disable: true }; if (kPlayer.plugins["navigation"]) { config.plugins.navigation = { position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; } if (kPlayer.plugins["hotspots"]) { config.plugins['playkit-js-hotspots'] = { disable: true }; } if (kPlayer.plugins["moderation"]) { config.plugins['playkit-js-moderation'] = { disable: true }; } if (kPlayer.plugins["info"]) { config.plugins['playkit-js-info'] = { disable: true }; } if (kPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents = []; if

(kPlayer.plugins["googleAnalytics"]) { config.plugins.googleTagManager = {}; config.plugins.googleTagManager.customEventsTracking = {}; config.plugins.googleTagManager.containerId = 'GTM-57RJQ5'; config.plugins.googleTagManager.customEventsTracking.custom = []; config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents: false, playlistEvents: false, castEvents: false } }; }

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