MADE SCIENTIFIC

Artificial Intelligence & Data Science Fundamentals for Cell Therapy Professionals

Instructor: Michael Colella

Format Options: Live Virtual | 6 weekly sessions

On-Demand Learning Modules | 6 modules

Build AI Fluency for Biotech's Digital Future

Learn AI and data science in clear, accessible terms tailored for CGT professionals. Whether you're in clinical, ops, or development, this course helps you understand and apply the tools driving biotech transformation.

You'll explore:

- Core concepts like machine learning and predictive analytics
- Collaborating with data teams
- Scoping and supporting pilot projects

Apply AI to Real-World CGT Challenges

From clinical trials to manufacturing, AI is transforming how therapies are developed and delivered. This course shows how to spot practical opportunities and use digital tools to improve performance.

You'll examine:

- Predictive modeling for product quality
- Digital twins for process simulation
- Automated scheduling and resource planning

Make Smarter, Data-Driven Decisions

Designed for managers, team leads, and cross-functional contributors, this course gives you the language and tools to guide AI adoption and innovation.

You'll be ready to:

- Identify high-impact AI use cases
- Partner with technical teams
- Align digital strategy with CGT goals

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Michael Colella

Professional Background

Michael Colella is the Senior Director of Global Data Strategy & Analytics at AXS, where he leads global initiatives in business intelligence, analytics engineering, and web analytics. A seasoned data and technology leader, he brings deep expertise in enterprise analytics, AI implementation, and data-driven transformation.

Before AXS, Michael served as Chief Data Scientist at Upshop and held senior roles at Kraft Heinz, leading large-scale analytics innovation. He also worked within BCG's Gamma group, helping clients apply machine learning to solve real-world business challenges.

Michael began his career in genetics and neuroscience research and later transitioned into data science, a shift that continues to shape his systems-level approach. He holds a degree from the University of Chicago, completed post-graduate work at MIT and Northwestern, and earned an Executive Tech MBA from Columbia University.

Recognitions

Michael is widely respected for his interdisciplinary leadership across science, technology, and business. He has advised startups and Fortune 500 firms on responsible AI integration and is a frequent speaker on the role of data in digital transformation. His mentorship and thought leadership continue to shape how organizations use analytics to drive value at scale.

Data Strategy & Analytics Expertise

Michael's training approach focuses on demystifying advanced analytics and empowering professionals to build scalable, insights-driven systems. In the upcoming data strategy sessions, he will focus on:

- Designing and deploying enterprise analytics platforms
- Operationalizing AI tools for measurable business outcomes
- Developing executive-level dashboards and KPIs
- Embedding data governance and compliance into scalable workflows

Michael blends hands-on expertise with high-level strategy to deliver training that is both immediately applicable and future-facing. His leadership ensures that participants walk away with the frameworks and technical fluency needed to lead analytics and AI initiatives within dynamic business environments.