



Consulting and Training | Reach New Heights

Course Name

Advanced Data-Driven Decision Making for Project Delivery

Sector Name

Project & Contract Management

Document Type

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Advanced Data-Driven Decision Making for Project Delivery

Course Introduction

Data-driven decision-making empowers project leaders to translate financial and operational data into strategic insights. This program focuses on using advanced analytics to support decisions, manage risks, and communicate effectively with executives. Participants will learn predictive and prescriptive analytics techniques, design dashboards for decision-making, and integrate analytics into project governance.

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Advanced Data-Driven Decision Making for Project Delivery

Target Audience

- ✓ Project Managers (Mid-Senior Level)
- ✓ Program & Portfolio Managers

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Advanced Data-Driven Decision Making for Project Delivery

Learning Objectives

- ✓ Leverage data to drive project financial and operational decisions.
- ✓ Apply predictive analytics for risk management and forecasting
- ✓ Integrate dashboards and visual analytics for executive insights.
- ✓ Translate complex data into actionable recommendations.
- ✓ Support strategic decision-making with evidence-based insights.

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Advanced Data-Driven Decision Making for Project Delivery

Course Outline

✓ DAY 01

Foundations of Data-Driven Decision Making

- ✓ Role of analytics in project delivery
- ✓ Understanding key project metrics and data sources
- ✓ Data quality, cleaning, and integration
- ✓ Identifying insights to inform decision-making
- ✓ Tools and platforms for advanced analytics

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Course Outline

✓ Day 02

Predictive Analytics for Projects

- ✓ Forecasting project costs, timelines, and resources
- ✓ Scenario modeling and risk simulation
- ✓ Statistical techniques for project performance prediction
- ✓ Identifying leading indicators of project success
- ✓ Integrating predictive models into project planning

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Course Outline

✓ Day 03

Prescriptive Analytics and Decision Support

- ✓ Optimization techniques for resource allocation
- ✓ Cost-benefit analysis for project alternatives
- ✓ Decision trees, linear programming, and prioritization frameworks
- ✓ Translating prescriptive insights into actionable plans
- ✓ Balancing multiple project constraints and trade-offs

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Course Outline

✓ Day 04

Data Visualization for Executive Insights

- ✓ Designing dashboards for strategic decision-making
- ✓ KPI selection and reporting hierarchy
- ✓ Visual storytelling for complex project data
- ✓ Linking operational and financial metrics for clarity
- ✓ Interactive dashboards for scenario analysis

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Course Outline

✓ Day 05

Strategic Communication of Data Insights

- ✓ Presenting insights with clarity and impact
- ✓ Structuring recommendations for executive decisions
- ✓ Highlighting risks, opportunities, and trends
- ✓ Storytelling techniques for data-driven influence

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 4, 2027	April 8, 2027	5 days	4250.00 \$	KSA , Riyadh
April 19, 2026	April 23, 2026	5 days	4250.00 \$	Egypt , Cairo
Sept. 6, 2026	Sept. 10, 2026	5 days	2150.00 \$	Virtual , Online
Oct. 5, 2026	Oct. 9, 2026	5 days	4250.00 \$	UAE , Dubai

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