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**Course Name**

# Advanced Data-Driven Decision Making for Project Delivery

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**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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## Advanced Data-Driven Decision Making for Project Delivery

### 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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## Advanced Data-Driven Decision Making for Project Delivery

### 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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## Advanced Data-Driven Decision Making for Project Delivery

### 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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## Advanced Data-Driven Decision Making for Project Delivery

### 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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## Advanced Data-Driven Decision Making for Project Delivery

### Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
April 4, 2027	April 8, 2027	5 days	4250.00 \$	KSA , Riyadh
April 25, 2027	April 29, 2027	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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