



Procurement & Supply Chain Operations

Data-Driven Decision Making in PTV & WIM Operations

Course Introduction

This course focuses on leveraging data analytics to enhance decision-making in PTV & WIM operations. It equips managers with advanced tools and techniques to use data effectively in operational strategy, performance improvement, and predictive maintenance.

Target Audience

The course targets procurement managers, supply chain analysts, and logistics managers who want to use data to optimize sourcing, transportation, and operational efficiency.

Learning Objectives

- Understand the role of data in optimizing PTV & WIM operations
- Develop skills to implement data-driven decision-making processes
- Learn to use analytics for performance improvement and predictive maintenance
- Gain insights into advanced data visualization and reporting techniques
- Master strategies for fostering a data-driven culture in operations

Course Outline

- 01 DAY ONE

Foundations of Data-Driven PTV & WIM Operations

- Introduction to data analytics in traffic management
- Key data sources in PTV & WIM systems
- Building a data infrastructure for operational analytics
- Case study: Successful data-driven initiatives in PTV & WIM

• 02 DAY TWO

Advanced Analytics Techniques for PTV & WIM

- Predictive analytics for traffic violation patterns
- Machine learning applications in WIM data analysis
- Big data processing for large-scale PTV & WIM operations
- Workshop: Applying analytics to a PTV & WIM dataset

• 03 DAY THREE

Performance Optimization Through Data

- Using data for resource allocation and scheduling
- Predictive maintenance for PTV & WIM equipment
- Real-time analytics for operational decision-making
- Hands-on session: Building a predictive maintenance model

• 04 DAY FOUR

Data Visualization and Reporting

- Advanced data visualization techniques for PTV & WIM data
- Designing effective dashboards for operations management
- Automated reporting systems for stakeholders
- Group exercise: Creating an executive dashboard for PTV & WIM operations

• 05 DAY FIVE

Fostering a Data-Driven Culture

- Change management for implementing data-driven processes
- Training strategies for data literacy in operations teams
- Ethical considerations in data use and decision-making
- Action planning: Implementing a data-driven strategy in PTV & WIM operations

Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
May 11, 2025	May 15, 2025	5 days	4250.00 \$	KSA - Riyadh
June 22, 2025	June 26, 2025	5 days	2150.00 \$	Virtual - Online
Sept. 15, 2025	Sept. 19, 2025	5 days	4250.00 \$	UAE - Abu Dhabi
Nov. 3, 2025	Nov. 7, 2025	5 days	5950.00 \$	USA - Los Angeles