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COURSE BROCHURE

Supply Chain Data Analysis and Decision Dashboards Training Course

13 – 17 June 2027
Muscat

Supply Chain Data Analysis and Decision Dashboards Training Course

Ref: 2732_104429 **Date:** 13 – 17 June 2027 **Location:** Muscat **Fees:** 5500 GBP

Supply Chain Data Analysis and Decision Dashboards is a 1-week training course for supply chain planners and analysts who turn order, stock and delivery records into evidence, leaving with a supply review analytics pack. Planning meetings run on numbers that arrive faster than anyone can check them, so cleaned history and honest measures now decide stock, service and cash. Jupiter Prime Training delivers this course on supply chain data analysis.

Why Supply Chain Data Analysis and Decision Dashboards Matter Now

Three pressures shape this work today. Order patterns have become less stable, so planners must separate genuine demand from promotions and one-off orders. Finance teams question every extra week of cover. Operations and sales leaders want one version of service performance. An organisation that reads its supply records well spots slow movers early, sets safety stock with reason and argues for change with evidence; one that reads them badly chases the wrong problem. The course rests on established statistical practice for forecast error, inventory classification and service measurement, explained in plain terms.

Who Gains Most from Supply Chain Data Analysis and Decision Dashboards

- Demand planners responsible for preparing sales history and judging forecast quality
- Inventory analysts who set reorder points and cover targets
- Supply planners balancing supplier lead times, production capacity and customer service
- Distribution analysts reporting fill rate and backorders
- Reporting specialists who build the scorecards used in monthly supply meetings

A planning department gains most when its demand, inventory and reporting analysts attend together.

Supply Chain Data Analysis and Decision Dashboards Capabilities

Participants move from raw extracts to measures a supply meeting can act on.

- Clean sales and shipment history by flagging outliers and stockout periods — demand planners
- Calculate forecast bias and error by item and horizon — the forecast sign-off discussion
- Apply value and volatility classification to set stock rules by segment — inventory policy owners
- Test safety stock and cover targets against service level aims — finance and operations leaders
- Design dashboards that show exceptions first and trends second — the monthly supply meeting
- Build an evidence-based narrative for a stock or service decision — senior supply chain leaders

Key Supply Chain Data Analysis and Decision Dashboards Terms

- Forecast bias — a forecast's persistent tendency to sit above or below actual demand.
- Mean absolute percentage error — average forecast miss as a share of actual demand.
- Fill rate — the share of ordered units shipped complete from stock on the first attempt.
- Days of cover — how long current stock lasts at expected demand.
- Value and volatility classification — grouping items by annual value and demand variability to set stock rules.
- Exception report — a view showing only items that breach an agreed limit.

Supply Chain Data Analysis and Decision Dashboards Day by Day

Day 1: Reading the Supply Record

- Order, Shipment and Stock Extracts — Which Source Reflects True Demand
- Data Quality Profiling — Gaps, Duplicates and Unit Errors Before Analysis
- Stockout Censoring Adjustment — Rebuilding Demand Lost to Empty Shelves
- Promotion and One-Off Order Flags — Cleaning History for Planning
- Item Master Hygiene — Lead Times, Pack Sizes and Status Codes

Day 2: Measuring Forecast Quality

- Bias Tracking Signal — Spotting Consistent Over- or Under-Forecasting
- Percentage and Weighted Error Measures — Choosing a Fair Accuracy Metric
- Forecast Value Added Comparison — Whether Manual Overrides Improve Results
- Error by Horizon and Aggregation Level — Where Planning Effort Pays
- Naive Forecast Benchmark — Setting a Realistic Accuracy Baseline

Day 3: Stock and Service Analytics

- Value and Volatility Segmentation Grid — Differentiated Stock Rules by Item
- Safety Stock Calculation From Demand and Lead Time Variation — Buffer Size
- Fill Rate Versus Order Line Service — Which Promise Customers Feel
- Slow-Moving and Obsolete Stock Ageing — Write-Down and Clearance Choices
- Cover and Turn Trend Analysis — Working Capital Conversations With Finance

Day 4: Designing Decision Dashboards

- Exception-First Layout — Directing Meeting Time to Breaching Items
- Chart Choice for Trends, Mix and Variance — Reading Without Explanation
- Threshold and Colour Rules — Consistent Alerts Across Planning Teams
- Drill Path From Network to Item — Answering the Follow-Up Question
- Refresh Cadence and Ownership Log — Keeping Figures Trusted Each Month

Day 5: Practising the Supply Review Analytics Pack

- Cleaned Demand History Sample — Applying Day One Profiling to Real Items
- Forecast Error Scorecard — Applying Day Two Measures to a Product Family
- Segment Stock Policy Table — Applying Day Three Buffers to Service Aims
- Decision Narrative Rehearsal — Presenting One Stock Change to Leaders
- Supply Review Analytics Pack — Assembling Measures, Visuals and Recommendations

Applying Supply Chain Data Analysis and Decision Dashboards After the Course

- Run a forecast bias and error scorecard on the top product families and share it at the next forecast sign-off meeting.
- Replace one monthly stock report with an exception-first dashboard that shows items breaching cover or service limits.

Supply Chain Data Analysis and Decision Dashboards Questions FAQ

What is supply chain data analysis and why does it matter now?

Supply chain data analysis turns cleaned order, stock and delivery records into measures that guide planning. It matters now because demand is less stable and leaders want evidence before changing stock targets.

Which roles gain most from supply chain data analysis and decision dashboards?

Demand planners, inventory analysts, supply planners and reporting specialists gain most, because each prepares the figures behind stock and service decisions.

How does supply chain data analysis differ from a demand forecasting course?

A forecasting course teaches how to build forecasts; supply chain data analysis teaches how to judge them and the stock they drive. You clean history, measure error, test buffers and present findings.

What do you bring back from supply chain data analysis and decision dashboards?

You bring back a supply review analytics pack built on your own item data. It holds cleaned history, an error scorecard, a stock policy table and a dashboard layout.

Supply Chain Data Analysis and Decision Dashboards: The Way Forward

The supply review analytics pack first informs which item segments need new safety stock or cover targets. Planners, inventory owners and finance partners use it at the monthly supply meeting. After its first use, the error measures and alert limits are worth revisiting, because a threshold that once caught real problems can quietly become noise as demand patterns shift.