Forecasting with Power BI Training Course

Professional Development Training Course Outline

Category	Logistics and Supply Chain Management	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Forecasting with Power BI Training Course is designed to empower professionals and data enthusiasts with advanced skills in data analysis, predictive modeling, and business intelligence. Participants will gain hands-on experience in leveraging Power BI's forecasting capabilities to transform raw data into actionable insights. This course emphasizes the use of cutting-edge analytical techniques, including time series analysis, trend identification, and scenario planning, enabling organizations to make informed strategic decisions. Key topics include data visualization, predictive analytics, dashboard creation, and integrating AI-driven insights into operational workflows.

In today's data-driven business environment, accurate forecasting is essential for maintaining competitiveness and optimizing resource allocation. By mastering Power BI forecasting techniques, participants will enhance their ability to predict sales trends, inventory requirements, and market fluctuations. The course provides practical exercises, real-world case studies, and interactive sessions to ensure participants develop both technical proficiency and strategic thinking. Organizations adopting these skills benefit from improved decision-making, increased efficiency, and a stronger ability to anticipate future challenges in dynamic markets.

Programme Curriculum

Forecasting with Power BI Training Course

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Course Objectives

1. Develop proficiency in Power BI data modeling for accurate forecasting
2. Apply time series analysis techniques using Power BI
3. Build predictive dashboards for business intelligence insights
4. Utilize AI-powered forecasting features in Power BI
5. Analyze historical data to identify trends and patterns
6. Integrate external data sources for comprehensive forecasting
7. Implement scenario planning for risk management and decision-making
8. Create interactive visualizations to communicate forecasts effectively
9. Improve organizational efficiency through predictive insights
10. Understand data cleansing and transformation best practices
11. Automate reporting processes for faster decision-making
12. Apply advanced DAX formulas to enhance forecasting models
13. Leverage case studies to solve real-world forecasting challenges

Organizational Benefits

- Enhanced decision-making through accurate data-driven forecasts
- Improved operational efficiency and resource management
- Greater market competitiveness with predictive insights
- Reduced risk through scenario analysis and planning
- Streamlined reporting and business intelligence workflows
- Empowered teams with actionable analytics skills
- Optimized inventory and supply chain forecasting
- Increased ROI on business intelligence investments

- Stronger alignment between strategy and operational execution
- Ability to respond proactively to market changes

Target Audiences

1. Business analysts seeking advanced forecasting skills
2. Data scientists and data analysts
3. Financial planners and strategists
4. Supply chain and operations managers
5. Marketing analysts and business intelligence professionals
6. IT professionals managing business intelligence systems
7. Project managers using data for decision-making
8. Organizational leaders looking to integrate predictive analytics

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI Forecasting

- Overview of Power BI interface and features
- Key forecasting concepts in business intelligence
- Data preparation and transformation basics
- Understanding historical vs. predictive data
- Case study: Forecasting retail sales trends
- Hands-on exercises

Module 2: Time Series Analysis

- Introduction to time series forecasting methods
- Seasonal and trend analysis
- Smoothing techniques for noisy data
- Applying time series in Power BI visuals
- Evaluating forecast accuracy metrics
- Case study: Predicting monthly revenue

Module 3: Building Predictive Dashboards

- Designing interactive dashboards for forecasts

- Integrating multiple data sources
- Custom visuals for trend analysis
- Dashboard best practices for executives
- Scenario simulations in dashboards
- Case study: Forecasting supply chain demand

Module 4: AI-Powered Forecasting in Power BI

- Overview of Power BI AI capabilities
- Setting up AI models for prediction
- Machine learning integration for forecasting
- Interpreting AI-generated insights
- Automating predictive reporting
- Case study: Using AI to forecast customer behavior

Module 5: Advanced DAX Formulas for Forecasting

- Introduction to DAX for predictive modeling
- Calculated measures and columns for trends
- Time intelligence functions
- Error handling and validation techniques
- Optimizing DAX performance for large datasets
- Case study: Forecasting product demand using DAX

Module 6: Scenario Planning and Risk Management

- Creating what-if analysis in Power BI
- Risk identification through predictive models
- Scenario simulations for business decisions
- Data-driven risk mitigation strategies
- Reporting scenarios to stakeholders
- Case study: Forecasting market risks

Module 7: Data Cleansing and Transformation

- Importing and cleaning raw datasets
- Removing inconsistencies for accurate forecasts

- Combining multiple data sources
- Transformation techniques for predictive modeling
- Automation of recurring data preparation tasks
- Case study: Cleaning sales data for forecast accuracy

Module 8: Reporting, Automation, and Real-World Application

- Automating forecasting reports in Power BI
- Publishing dashboards for organizational use
- Monitoring forecast performance over time
- Sharing insights with decision-makers
- Continuous improvement using feedback loops
- Case study: End-to-end forecasting for a retail company

Training Methodology

- Interactive lectures with Power BI demonstrations
- Hands-on exercises for each module
- Real-world case studies and scenario-based learning
- Group discussions and problem-solving sessions
- Step-by-step guided projects using sample datasets
- Q&A sessions for personalized learning

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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