Power Business Intelligence Dataflows Training Course

Professional Development Training Course Outline

Category	Business Intelligence	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Power BI Dataflows is an advanced business intelligence solution that enables organizations to unify data from multiple sources and create reusable data models. Power Business Intelligence Dataflows Training Course is designed to provide professionals with hands-on experience in building, managing, and optimizing Power BI Dataflows for efficient data preparation and transformation. By leveraging strong trending keywords like data integration, ETL, self-service analytics, and cloud-based data management, participants will gain the ability to deliver high-impact insights and drive data-driven decision-making.

The course emphasizes practical application through real-world case studies, enabling participants to master Power BI Dataflows in alignment with industry best practices. Participants will develop expertise in data cleansing, transformation, and automation, making them highly competent in managing large-scale datasets. With an SEO-friendly focus on business intelligence, cloud analytics, data modeling, and performance optimization, this course ensures participants are prepared to implement scalable and secure dataflow solutions in any organizational context.

Programme Curriculum

Power Business Intelligence Dataflows Training Course

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Course Objectives

1. Understand the fundamentals of Power BI Dataflows and their role in modern analytics.
2. Build and manage scalable dataflows for enterprise-level data preparation.
3. Perform ETL operations effectively using Power Query and Power BI Service.
4. Integrate multiple data sources, including cloud and on-premises systems.
5. Implement data transformation, cleansing, and enrichment techniques.
6. Optimize dataflow performance for faster data refresh and query execution.
7. Automate dataflows using scheduled refresh and incremental load features.
8. Apply advanced M language techniques for custom transformations.
9. Secure and manage dataflows with role-based access and workspace permissions.
10. Leverage AI-powered data transformation and predictive analytics capabilities.
11. Create reusable data models to improve reporting efficiency.
12. Monitor and troubleshoot dataflows for operational excellence.
13. Apply best practices for Power BI Dataflows governance and compliance.

Organizational Benefits

- Accelerated data-driven decision-making across teams
- Improved data quality and consistency
- Reduced manual data preparation efforts
- Enhanced reporting efficiency and performance
- Scalable and reusable data pipelines
- Centralized data management and collaboration
- Stronger insights from integrated datasets
- Secure handling of sensitive data
- Optimized ETL processes with minimal overhead
- Improved adoption of self-service analytics

Target Audiences

- Business analysts and BI developers
- Data engineers and database administrators
- IT professionals managing enterprise data
- Finance and operations teams leveraging analytics
- Data architects and solution designers
- Project managers overseeing BI implementations
- Marketing and sales teams needing actionable insights
- Anyone interested in advanced Power BI data management

Course Duration: 5 days

Course Modules

Module 1: Introduction to Power BI Dataflows

- Overview of Power BI Dataflows and its components
- Understanding the difference between datasets, dataflows, and reports
- Exploring Power Query for data preparation
- Introduction to cloud-based data integration
- Benefits of reusable dataflows in enterprise analytics
- Case Study: Implementing a company-wide sales dataflow

Module 2: Data Integration and Connectivity

- Connecting to cloud and on-premises data sources
- Understanding connectors and gateways
- Combining multiple sources into a single dataflow
- Managing incremental data refresh
- Best practices for source selection and data accuracy
- Case Study: Integrating HR and payroll data

Module 3: Data Transformation and Cleansing

- Applying transformations using Power Query Editor
- Removing duplicates and handling missing values
- Creating calculated columns and measures
- Merging and appending dataflows for complex datasets
- Using AI insights for data enrichment
- Case Study: Cleaning customer transaction data

Module 4: Advanced Dataflow Techniques

- Using parameters and functions in dataflows
- Implementing dynamic transformations
- Leveraging advanced M language for customization
- Handling large datasets efficiently
- Best practices for modular and reusable dataflows
- Case Study: Automating product inventory updates

Module 5: Dataflow Optimization

- Understanding query folding for performance
- Reducing refresh times and optimizing storage
- Managing dependencies between multiple dataflows
- Monitoring refresh history and performance metrics
- Tips for large-scale dataflows management
- Case Study: Optimizing financial reporting pipelines

Module 6: Dataflow Security and Governance

- Role-based access and workspace management
- Securing sensitive data within dataflows
- Dataflow versioning and audit trails
- Governance strategies for enterprise BI
- Compliance considerations for dataflows

- Case Study: Implementing governance for a multi-department project

Module 7: Automation and Scheduling

- Setting up scheduled refresh for dataflows
- Implementing incremental refresh strategies
- Notifications and error handling
- Automating repetitive ETL tasks
- Best practices for maintaining automation efficiency
- Case Study: Automating monthly sales reporting

Module 8: Monitoring, Troubleshooting, and Best Practices

- Monitoring dataflow refresh and usage
- Identifying and resolving common errors
- Tracking data lineage and dependencies
- Documenting best practices for team adoption
- Continuous improvement for BI operations
- Case Study: Resolving data refresh failures in a retail company

Training Methodology

- Interactive instructor-led sessions with live demonstrations
- Hands-on exercises and real-world case studies
- Collaborative group projects and practical labs
- Q&A sessions and knowledge checks for retention
- Step-by-step guidance on building end-to-end dataflows
- Access to supplementary materials and recorded sessions

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

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