Power BI for Advanced Data Modeling and Visualization Training Course

Professional Development Training Course Outline

Category	Research and Data Analysis	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s data-driven world, addressing sensitive topics in research—such as health disparities, gender-based violence, mental health, human rights violations, or migration—requires more than traditional methods. Power BI for Advanced Data Modeling and Visualization Training Course equip professionals with the right tools for responsible and impactful storytelling. Participants will learn how to uncover hidden patterns, ensure data privacy, and present evidence-based insights with advanced analytics.

This hands-on training is designed for researchers, analysts, data scientists, and humanitarian professionals who handle delicate datasets. It emphasizes data accuracy, cultural sensitivity, and informed decision-making, using Microsoft Power BI to turn complex, ethically sourced data into compelling visual reports. The course integrates real-world case studies and interactive dashboards to empower learners to navigate the ethical minefield of sensitive data with clarity and confidence.

Programme Curriculum

Power BI for Advanced Data Modeling and Visualization Training Course

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Course Objectives

1. Master advanced Power BI functions for modeling sensitive datasets.
2. Apply ethical research principles in the context of sensitive topics.
3. Design secure and anonymized data models.
4. Create interactive dashboards that convey impact without compromising privacy.
5. Use DAX functions to extract meaningful insights from complex data.
6. Navigate challenges in data collection from vulnerable populations.
7. Understand data governance, compliance, and confidentiality protocols.
8. Develop risk mitigation strategies for sensitive data usage.
9. Build automated workflows for real-time sensitive data reporting.
10. Translate raw data into narratives for advocacy and decision-making.
11. Customize visuals to reflect cultural and contextual nuances.
12. Integrate data ethics and AI-aided modeling in reporting frameworks.
13. Evaluate real-life case studies to apply learning outcomes practically.

Target Audience

1. Academic Researchers
2. Humanitarian Data Officers
3. NGO Monitoring & Evaluation Specialists
4. Government & Policy Analysts
5. Mental Health & Social Science Researchers
6. Corporate Social Responsibility Managers
7. Healthcare & Public Health Analysts
8. Graduate Students in Data Science & Social Research

Course Duration: 5 days

Course Modules

Module 1: Foundations of Researching Sensitive Topics

- Defining sensitivity in research contexts
- Ethical principles and international protocols
- Tools for managing participant vulnerability
- Types of sensitive data (qualitative and quantitative)
- Legal considerations in research ethics
- **Case Study**: Gender-based violence data collection project

Module 2: Power BI Essentials for Sensitive Data

- Introduction to Power BI environment
- Importing and cleaning sensitive datasets
- Building relationships across anonymized tables
- Using Power Query for preprocessing
- Visual layout best practices
- **Case Study**: Anonymizing mental health data in Power BI

Module 3: Advanced Data Modeling Techniques

- Designing scalable data models

- Managing complex hierarchies and relationships
- Building KPIs from sensitive indicators
- Applying row-level security
- DAX functions for advanced computation
- **Case Study**: Modeling child protection data across regions

Module 4: Data Privacy, Security & Compliance

- Data protection regulations (GDPR, HIPAA)
- Risk assessment and data access policies
- Implementing encryption and masking
- Compliance dashboards
- Ethical considerations in cloud storage
- **Case Study**: Securing refugee camp data visualization

Module 5: Visual Storytelling with Power BI

- Designing visuals with emotional intelligence
- Color, icon, and layout principles for sensitivity
- Visualizing hidden patterns in disaggregated data
- Custom tooltips and dynamic narratives
- Enhancing understanding through drill-downs
- **Case Study**: Visualizing trauma impact among youth

Module 6: Working with Qualitative and Survey Data

- Importing qualitative datasets into Power BI
- Coding open-ended responses for visualization
- Using sentiment analysis with text analytics
- Merging qualitative and quantitative findings
- Building thematic dashboards
- **Case Study**: Mixed-methods survey on stigma and discrimination

Module 7: Monitoring & Evaluation Using Power BI

- Logic models for sensitive interventions
- Real-time dashboarding for M&E reporting
- Visualizing outcome indicators with context
- Managing data gaps and inconsistencies
- Scenario analysis with What-If parameters
- **Case Study**: Evaluating GBV intervention program outcomes

Module 8: Reporting and Advocacy with Sensitive Data

- Creating advocacy-ready reports
- Data storytelling techniques for funders and stakeholders
- Infographic design in Power BI
- Exporting for presentations and publications
- Designing for accessibility and inclusion
- **Case Study**: Influencing policy with substance abuse data

Training Methodology

- Interactive instructor-led demonstrations
- Hands-on lab exercises with real-world datasets
- Group discussions on ethical dilemmas

- Live dashboard building workshops
- Case study analysis and presentations
- Post-course support and Q&A forum

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

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000

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

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com