

Mastering Power BI: From Data to Decision

Transform your data analytics career with these proven Power BI techniques. Stand out by creating reports that drive real business decisions.

by ELOTECH IT CONSULT



Start with Power Query - Clean Before You Build

Select Correct Data Types

Assign proper formats (text, number, date) to each column. Use "First Row as Headers" when needed.

Remove Duplicates & Blanks

Eliminate redundant information to avoid skewed results. Keep your data lean.

Transform with Purpose

Use Split Columns, Merge Columns, and Custom Columns to structure your data properly.

Choose the Right Visual for Your Data

Comparison Charts

- Bar/Column for categories
- Line for trends over time
- Scatter for correlations

Composition Charts

- Pie/Donut for parts of whole
- Treemaps for hierarchies
- Funnel for process stages

The right visualization makes your message instantly clear. Match your chart to your story.



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Layout Matters - Guide the Eye

Place Key Metrics at Top

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Position critical KPIs and summary cards along the top header where users look first.

Align Supporting Visuals Left

Arrange detailed charts vertically on the left side to follow natural scanning patterns.

Create Visual Flow

Guide users from overview to details with consistent spacing and grouping of related elements.

Made with GAMMA

Add Layers with Tooltips & Drillthrough

Enhanced Tooltips

Configure tooltips to reveal additional context and metrics when users hover.

- Add supporting metrics
- Show mini visuals
- Highlight exceptions

Powerful Drillthrough

Enable deeper analysis without cluttering your main dashboard.

- Create detail pages
- Set up drill filters
- Maintain visual consistency

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Build Smart Navigation Systems



Smart Filters

Design intuitive filter panes and slicers that help users focus on relevant data subsets.

Bookmarks

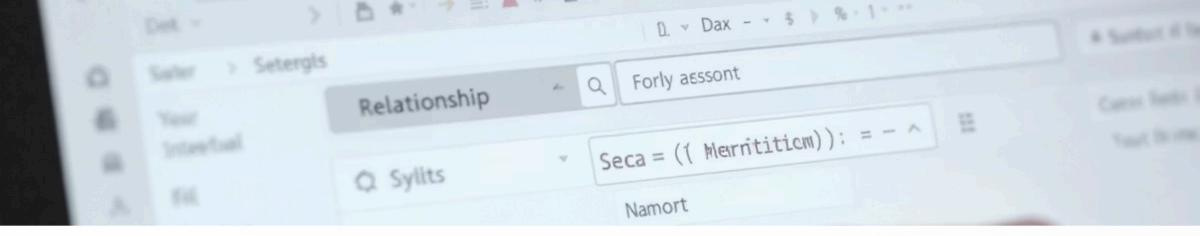
Create preset views that capture specific dashboard states for quick reference and comparison.



Action Buttons

Add interactive elements that toggle visibility, navigate between pages, or trigger specific filters.

Combine these features to transform static reports into interactive, app-like experiences.



Master DAX & Data Modeling

Create Optimized Measures

Build reusable calculations that respond to context and filters. Focus on performance.

Design Smart Relationships

Connect tables properly to ensure accurate filtering. Understand cardinality and filter flow.

Implement Row-Level Security

Control who sees what data with dynamic security rules. Protect sensitive information.

Strong DAX skills give you complete control over your data story. They're essential for advanced analysis.

Leverage AI Q&A for Accessibility

The Q&A visual transforms how non-technical users interact with your reports. They can simply ask questions and get visual answers.

Implementation Tips:

- Train the Q&A with synonyms
- Add featured questions
- Review usage to improve

Connect with me to continue learning these powerful data storytelling techniques!

85%

User Adoption

Higher engagement with interactive Q&A features

40%

Time Saved

Reduction in ad-hoc report requests