POWER BI CHEAT SHEET

by Aleksandar Stojanovic

Visualizations

- Bar Chart
- Column Chart
- Line Chart
- TreeMap
- Waterfall Chart
- Scatter Plot
- Donut Chart
- Gauge Chart
- Card
- Table

Power BI Report

- Connect to your data sources
- Load and transform data using Power Query
- Create relationships between tables in the data model
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- Build calculated columns and measures using DAX
- Design the report layout and choose a theme
- Add visualizations and configure their properties

DAX Formulas for Powerful Analysis

- SUM, AVERAGE, COUNT
- MAX, MIN, CALCULATE
- ALL, FILTER, RELATED
- RANKX, DIVIDE, IF
- SWITCH, SAMEPERIODLASTYEAR, TOTALYTD

Power Query Hacks

Merge and append queries
Conditional column creation
Splitting columns based on delimiters or character positions
Grouping and aggregating data
Replacing null values with default values
Using custom functions for complex transformations
Applying transformations to multiple columns at once

Dashboard Design Tips

Choose the right visualizations for your data
Use consistent colors and fonts
Group related visuals together
Prioritize important info. with size and placement
Use white space effectively
Make sure the dashboard is responsive and works on different devices
Add dynamic titles and labels for better context
Use tooltips and drill-down options for additional insights

Optimizing Data Models

| Remove unnecessary columns and rows | → | Use star schema with fact and dimension tables | → | Create hierarchies and use calculated measures for better organization |

Data Storytelling

- Sales performance over time
- Customer segmentation and profiling
- Product performance and profitability analysis
- Regional sales comparison
- Marketing campaign effectiveness
- Inventory management and forecasting
- Employee productivity and performance
- Budget vs. actual analysis
- Customer churn analysis
- Web traffic and user behavior analysis
- Social media sentiment analysis
- Geographical data visualization
- Supply chain optimization

Power BI

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Aleksandar Stojanovic