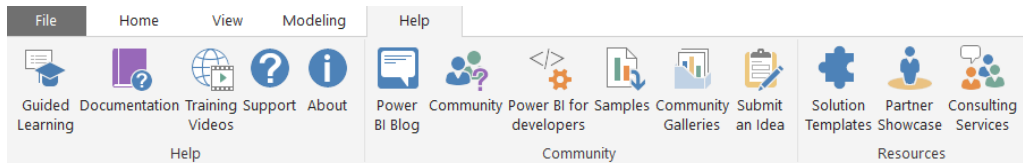


# PowerBI - Best Practices and Tips

- Upcoming event (FREE) – **SQLSATURDAY 770**
  - SQLSaturday is a free training event for Microsoft Data Platform professionals and those wanting to learn about SQL Server, Business Intelligence and Analytics. This event will be held on Sep 29, 2018 at Pittsburgh Technical College, 1111 McKee Road, Oakdale, PA, Oakdale, Pennsylvania, 15071, United States
  - <https://www.sqlsaturday.com/770/eventhome.aspx>
- **PowerBI Meetup Group** on meetup.com
  - <https://www.meetup.com/Pittsburgh-Power-BI-Meetup/>
- Read the **docs**



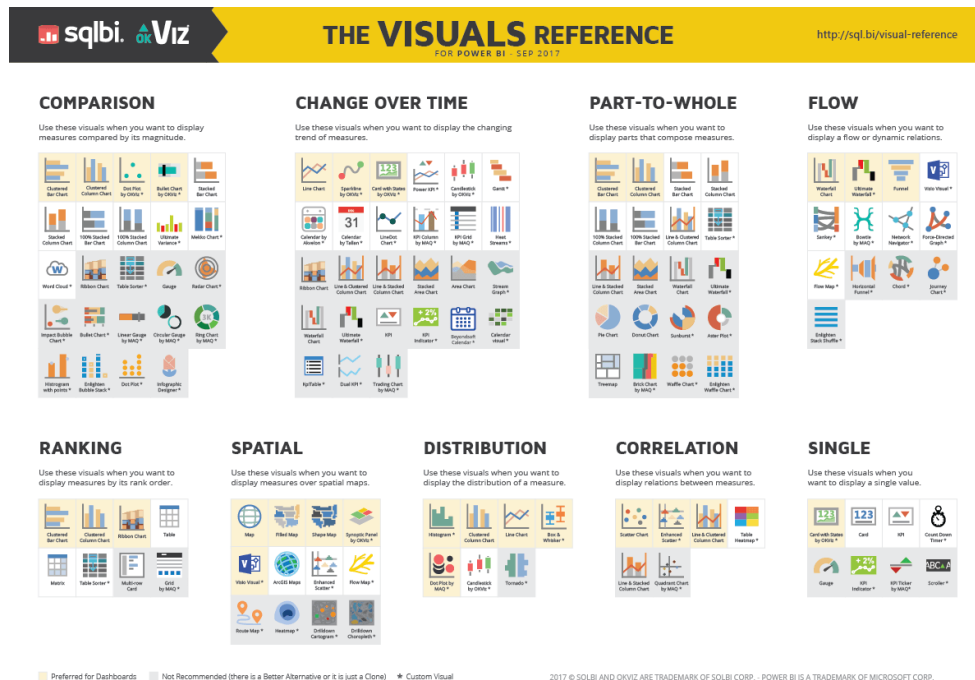
- PowerBI **Desktop** Documentation
  - <https://docs.microsoft.com/en-us/power-bi/desktop-what-is-desktop>
- PowerBI **Service** Documentation
  - <https://docs.microsoft.com/en-us/power-bi/power-bi-overview>
- **Guy in a Cube** (YouTube)



# PowerBI - Best Practices and Tips

- **Visuals Reference**

- <https://www.sqlbi.com/ref/power-bi-visuals-reference/>

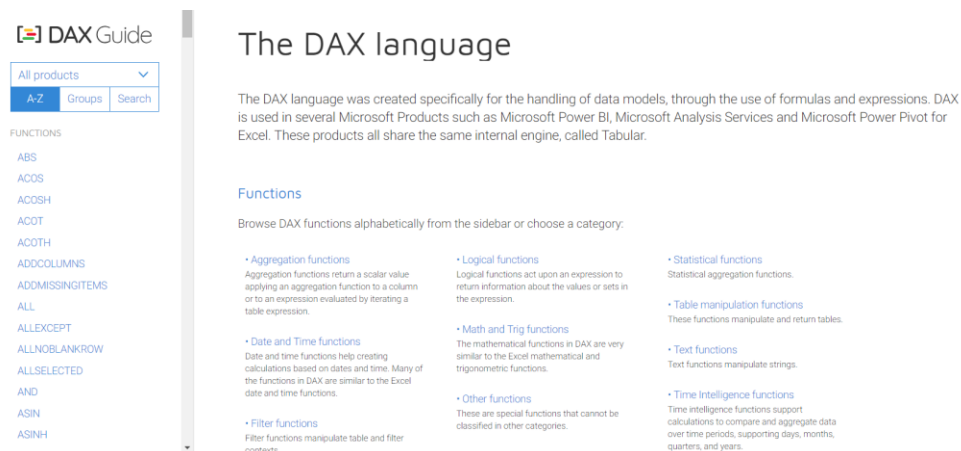


- **DAX Formatter**

- <https://www.daxformatter.com/>
- Copy and paste your dax code in the header, then click format, then you can copy and paste back in your PowerBI measures

- **DAX Guide**

- <https://dax.guide/>



# PowerBI - Best Practices and Tips

- **SQLBI Course**

- <https://www.sqlbi.com/p/power-bi-dashboard-design-course/>
- Free trial, \$99 for entire course

- **Udemy Course**

- <https://www.udemy.com/microsoft-power-bi-up-running-with-power-bi-desktop/>
- Hands down best course available on the internet
- Price varies as sales happen often (\$5 - \$15)

The screenshot shows the Udemy course page for 'Microsoft Power BI - Up & Running With Power BI Desktop' by Chris Dutton. The course is priced at \$10.99, a 94% discount from the original price of \$199.99. It has 4.7 stars from 952 ratings and 4,890 students enrolled. The page includes a 'What Will I Learn?' section with four bullet points: building professional-quality business intelligence reports, designing and implementing the same B.I. tools used by professional analysts, blending and transforming raw data into beautiful interactive dashboards, and showcasing skills with two full-scale course projects. There are 'Add To Cart' and 'Buy Now' buttons, and a '30-Day Money-Back Guarantee' is mentioned.

- **Twitter / Facebook / Reddit / Podcasts** (search “data” or “PowerBI”)

The screenshot shows a grid of podcast covers from a directory. The podcasts listed include: BIFocal - Clarifyin... by John, Jason; Data Driven Talk by Enrico Signoretti; Data Engineering... by Tobias Macey; Data Exposed - C... by Microsoft; Data Futurology by Felipe Flores; Data Journeys by AJ Goldstein; Data Science at H... by Francesco Gada...; DataFramed by DataCamp; IBM Analytics Insi... by IBM Big Data, AN...; Microsoft Cloud S... by Andrew Connel...; Security Now (M... by Steve Gibson; and SuperDataScience by Kirill Eremenko: Data Science Co....

- **Data Governance plan** (partner, or MS PowerBI Governance document)

- <https://docs.microsoft.com/en-us/power-bi/whitepapers>

Planning a  
Power BI  
Enterprise  
Deployment

This is a technical whitepaper outlining considerations for a well-performing and secure organizational Power BI deployment.

## PowerBI - Best Practices and Tips

- **Assemble a Team** (get a Python guy, get a SQL guy, get a PowerApps guy)
- **Interview** requestors and hold *weekly status updates* with them during projects
  - Use Eckerson Report – Analytics Lifecycle
    - <https://pages.alteryx.com/Eckerson-WP-Modern-Analytics.html>
  - Use CRISP-DM methodology
    - <https://www.the-modeling-agency.com/crisp-dm.pdf>
  - Rapid Planning Method(RPM) Tony Robbins (great interviewing techniques)
    - <https://youtu.be/DJNY8jjF7Bs>
- Use **git** for version control
  - <https://git-scm.com>
- Use **Visual Studio Team Services** (VSTS) for git (free for teams of 5 or less)
  - <https://visualstudio.microsoft.com/team-services/>
  - Geez, another name change... VSTS is now **Azure DevOps**
- Use **SQL Views** for read-only access to data sources in SQL
- **Gateways** – On Premises / Personal
  - <https://powerbi.microsoft.com/en-us/gateway/>
  - On-Premises: Installed on a dedicated computer, authenticated to your data sources, shared with other admins, can be used with Flow and PowerApps
  - Personal: Computer must be on to work, limited functionality

## PowerBI - Best Practices and Tips

- **Documentation** (Folders for each PowerBI Project) <- *cloned to git repository in VSTS*
  - PowerBI files (pbix)
  - Folder named “scripts” for any automation steps to gather/merge data to sources
  - Folder named “resources” for all documentation listed below
  - README file to explain everything
    - Project description
    - Project sponsors
    - Project team
    - Documentation
      - M-Script (google “PowerBI Helper”)
      - Gateway information
        - Where is it installed
        - Who are the administrators (***always have more than one***)
        - Gateway name
        - Databases connected to this gateway
      - SQL Map (relationship tables, screenshot of relationships windows)
      - Query Dependencies (screenshot of Query Dependencies in Edit Queries window, View tab)
      - Measures and Tables report (google “PowerBI Vertipaq Analysis”)
      - Work tasks link (VSTS)
      - Project Log (Change orders, script updates, data flow operations)