



Power BI Visualization & Reporting

Course Objectives

1. Deep dive into advanced data modeling techniques in Power BI.
2. Master complex DAX functions including CALCULATE, FILTER, and VAR.
3. Optimize data models and DAX calculations for performance.
4. Learn debugging tools like DAX Studio and Tabular Editor.
5. Apply best practices for relationship management and inactive relationships.

Prerequisites

- Intermediate Power BI skills including basic DAX knowledge.
- Understanding of relational databases and data warehousing concepts.

Tools & Environment

- Power BI Desktop
- DAX Studio and Tabular Editor tools
- Sample complex datasets for modeling exercises
- Windows OS with suitable performance specs

Beyond Objectives Learning

- Write optimized and maintainable DAX code.
- Debug and troubleshoot data models effectively.
- Build scalable Power BI models for enterprise solutions.
- Prepare for senior Power BI developer or data modeling roles.

Sr.	Title	Topic	Objective
87	Learning Power BI in 2025 – Power Query – Pivot, Unpivot & Transpose – Part 1	Power Query Transformations	Learn how to use pivot, unpivot, and transpose operations in Power Query.
88	Learning Power BI in 2025 – Power Query – Pivot, Unpivot & Transpose – Part 2	Power Query Transformations	Continue advanced transformations with pivot/unpivot/transpose in Power Query.
89	Power Query – Pivot, Unpivot & Transpose – Part 3	Power Query Transformations	Complete the series on pivot, unpivot, and transpose functions in Power Query.
90	Data Visualization in Power BI – Report and Dashboard design requirements – Part 1	Dashboard Design	Understand the essentials of report and dashboard design requirements.
91	Data Visualization in Power BI – Dashboard design requirements – Wire Framing tools – Part 2	Dashboard Design & Wireframing	Learn wireframing tools and techniques for dashboard design planning.
87	Learning Power BI in 2025 – Power Query – Pivot, Unpivot & Transpose – Part 1	Power Query Transformations	Learn how to use pivot, unpivot, and transpose operations in Power Query.
88	Learning Power BI in 2025 – Power Query – Pivot, Unpivot & Transpose – Part 2	Power Query Transformations	Continue advanced transformations with pivot/unpivot/transpose in Power Query.



Sr.	Title	Topic	Objective
89	Power Query – Pivot, Unpivot & Transpose – Part 3	Power Query Transformations	Complete the series on pivot, unpivot, and transpose functions in Power Query.
90	Data Visualization in Power BI – Report and Dashboard design requirements – Part 1	Dashboard Design	Understand the essentials of report and dashboard design requirements.
91	Data Visualization in Power BI – Dashboard design requirements – Wire Framing tools – Part 2	Dashboard Design & Wireframing	Learn wireframing tools and techniques for dashboard design planning.
92	Data Visualization in Power BI – Dashboard design requirements – Report themes – Part 3	Dashboard Themes	Understand report theming and consistent visual styling in Power BI.
93	Data Visualization in Power BI – Bar chart formatting options – Part 1	Chart Formatting	Learn bar chart formatting best practices – part 1.
94	Data Visualization in Power BI – Bar chart formatting options – Part 2	Chart Formatting	Continue bar chart formatting techniques – part 2.
95	Data Visualization in Power BI – Bar chart formatting options – Part 3	Chart Formatting	Further bar chart formatting options – part 3.
96	Data Visualization in Power BI – Bar chart formatting options – Part 4	Chart Formatting	Advanced bar chart formatting options – part 4.
97	Data Visualization in Power BI – Bar chart formatting options – Part 5	Chart Formatting	Final bar chart formatting best practices – part 5.
98	Data Visualization in Power BI – Bar chart formatting options – Part 6	Chart Formatting	Additional tips and formatting options for bar charts – part 6.
99	Data Visualization in Power BI – Bar chart formatting options – Part 7	Chart Formatting	Completion of bar chart formatting series – part 7.
100	Data Visualization in Power BI – Report Design Example – Part 1	Report Design	Practical report design example – part 1, applying design principles.
101	Data Visualization in Power BI – Report Design Example – Part 2	Report Design	Continuation of practical report design example – part 2.
102	Data Visualization in Power BI – Report Design Example – Part 3	Report Design	Further development of report design example – part 3.
103	Data Visualization in Power BI – Report Design Example – Part 4	Report Design	Advanced report design techniques – part 4.
104	Data Visualization in Power BI – Report Design Example – Part 5	Report Design	Enhancing reports with formatting and visualization – part 5.



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105	Data Visualization in Power BI – Report Design Example – Part 6	Report Design	Further report improvements – part 6.
106	Data Visualization in Power BI – Report Design Example – Part 7	Report Design	Finalizing the report design example – part 7.
107	Data Visualization in Power BI – Report Design Example – Part 8	Report Design	Report design refinement and interactivity – part 8.
108	Data Visualization in Power BI – Report Design Example – Part 9	Report Design	Advanced visual tweaks and final report touches – part 9.
109	Data Visualization in Power BI – Report Design Example – Part 10	Report Design	Completion of report design example – part 10.
110	Data Visualization in Power BI – Pie chart and Donut chart	Chart Types	Learn pie and donut chart creation and formatting.
111	Data Visualization in Power BI – Waterfall chart	Chart Types	Understand waterfall chart usage and customization.
112	Data Visualization in Power BI – Scatter plot	Chart Types	Learn how to create and format scatter plots.
113	Data Visualization in Power BI – Multi row card visual	Card Visuals	Explore multi-row card visuals and their formatting.
114	Data Visualization in Power BI – Gauge chart and tooltips	Chart Types & Tooltips	Learn gauge chart formatting and tooltip configuration.
115	Data Visualization in Power BI – Funnel chart	Chart Types	Understand funnel chart usage and customization.
116	Data Visualization in Power BI – Table visual formatting options – Part 1	Table Visuals	Learn table visual formatting best practices – part 1.
117	Data Visualization in Power BI – Table visual formatting options – Part 2	Table Visuals	Continue table visual formatting options – part 2.
118	Data Visualization in Power BI – Table visual formatting options – Part 3	Table Visuals	Advanced table visual formatting – part 3.
119	Data Visualization in Power BI – Matrix visual formatting options – Part 1	Matrix Visuals	Learn matrix visual formatting best practices – part 1.
120	Data Visualization in Power BI – Matrix visual formatting options – Part 2	Matrix Visuals	Continue matrix visual formatting – part 2.
121	Data Visualization in Power BI – Map visuals formatting options – Part 1	Map Visuals	Learn map visual formatting best practices – part 1.
122	Data Visualization in Power BI – Map visuals formatting options – Part 2	Map Visuals	Continue map visual formatting – part 2.
123	Data Visualization in Power BI – Map visuals formatting options – Part 3	Map Visuals	Advanced map visual formatting – part 3.
124	Data Visualization in Power BI – Map visuals formatting options – Part 4	Map Visuals	Further map visual formatting – part 4.



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125	Data Visualization in Power BI – Map visuals formatting options – Part 5	Map Visuals	Final part of map visual formatting series – part 5.
126	Data Visualization in Power BI – Map visuals formatting options – Part 6	Map Visuals	Bonus tips for map visuals – part 6.
127	Data visualization in Power BI – Map visuals in Power BI – Part 7	Map Visuals	Continued exploration of map visuals – part 7.
128	Data Visualization in Power BI – Map visuals in Power BI – Part 8	Map Visuals	Further map visual enhancements – part 8.
129	Data Visualization in Power BI – Map Visual in Power BI – Part 9	Map Visuals	Map visual advanced settings – part 9.
130	Data Visualization in Power BI – Map Visual in Power BI – Part 10	Map Visuals	Final map visual formatting part – part 10.
131	Data Visualization in Power BI – New card visual in Power BI – Part 1	Card Visuals	Introduction to new card visual and formatting – part 1.
132	Data Visualization in Power BI – New card visual in Power BI – Part 2	Card Visuals	Continued new card visual features – part 2.
133	Data Visualization in Power BI – New card visual in Power BI – Part 3	Card Visuals	Final new card visual formatting – part 3.
134	Data Visualization in Power BI – Conditional Formatting using DAX – Part 1	Conditional Formatting	Introduction to conditional formatting using DAX – part 1.
135	Data Visualization in Power BI – Conditional Formatting using DAX – Part 2	Conditional Formatting	Continue DAX-based conditional formatting – part 2.
136	Data Visualization in Power BI – Conditional Formatting using DAX – Part 3	Conditional Formatting	Further advanced conditional formatting using DAX – part 3.
137	Data Visualization in Power BI – Conditional Formatting using DAX – Part 4	Conditional Formatting	Continued conditional formatting techniques – part 4.
138	Data Visualization in Power BI – Conditional Formatting using DAX – Part 5	Conditional Formatting	Final part of DAX conditional formatting series – part 5.
139	Data Visualization in Power BI – How to configure Bookmarks – Part 1	Report Interactivity	Learn how to configure bookmarks for report interactivity – part 1.
140	Data Visualization in Power BI – How to configure Bookmarks – Part 2	Report Interactivity	Continue configuring bookmarks – part 2.



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141	Data Visualization in Power BI – How to configure Report Navigation experience	Report Interactivity	Learn report navigation techniques to enhance user experience.
142	Data Visualization in Power BI – How to configure Dynamic Format Strings using DAX	Formatting & DAX	Learn dynamic formatting of data labels using DAX.
143	Data Visualization in Power BI – How to use Field Parameters – Part 1	Report Parameters	Introduction to field parameters for dynamic reporting – part 1.
144	Data Visualization in Power BI – How to use Field Parameters – Part 2	Report Parameters	Continue learning field parameters – part 2.
145	Data Visualization in Power BI – AI Visuals – Q&A Visual Part 1 & 2	AI Visuals	Learn about Power BI's AI-powered Q&A visual for interactive querying.
146	Data Visualization in Power BI – AI Visuals – Q&A Visual –	AI Visuals	Continued exploration of Q&A visual features.

Minimum Completion Criteria:

- Complete all modules and MCQs
- Attempt weekly marathons
- Submit at least 2 out of 5 projects in the final level
- Attend minimum 80% of lessons

Certificate Details

- Upon successful completion of the Internship, learners will receive a Government-Recognized Certificate from Vidyawan, a registered MSME enterprise (*Udyam Registration No: UDYAM-WB-14-0205610*).



One Month Internship Certificate



Weekly Marathon Participation Certificate

Performance-Based Badge System

- Gold Badge – For Top Performers (90%+ score, completed 4+ projects)
- Silver Badge – For consistent performance (70–89%)
- Copper/Participant Badge – For all learners who complete the program

Contact Information

For queries, registration, or collaboration, feel free to contact us:

Vidyawan – Internship & Skill Development Platform

(A Government-registered MSME – UDYAM-WB-14-0205610)

- Email: contact.vidyawan@gmail.com
- Website: www.vidyawan.in (Get in touch section)
- Location: West Bengal, India
- Follow us for updates and upcoming internships