goskills

Power BI

GoSkills online course syllabus

Saturday, July 19, 2025

Skill level
Beginner

Lessons
42

Pre-requisites
None

Estimated study time
20h for all materials

Instructor
Ken Puls

What is Power BI?

1 Introduction to Power BI
An introduction to Power BI and the problems it solves for us.

2 Overview of Power BI Components
An overview of the components that make up Power BI, and their costs.

3 Power BI Workflow
A review of the Power BI workflow

Getting Started with Power BI

4 Getting Data from a Text File
Using Power BI to import data from a text (or CSV) file

5 Creating Visuals
Creating visuals in Power BI

6 Publishing to the Power BI service
Publishing reports to the Power BI web service

7 Dashboards vs Reports
An explanation of how Power BI defines reports and dashboards

8 Working with Q&A
Using Q&A to ask the database for information

9 Generating Quick Insights
Working with Quick Insights

10 Working with Alerts
Setting and managing alerts for your data

11 Sharing Reports and Dashboards
Sharing Power BI Reports and Dashboards

12 Named Workspaces
Named Workspaces

13 Sharing via Apps
Sharing via Apps

Data & Modeling

14 Collecting More Data
Working with Excel data in Power BI

15 Key Concepts for Relating Data
Key concepts you should know before relating data

16 Solving m2m Joins via Bridge tables
Creating Bridge Tables in order to link tables via one to many relationships

17 Solving m2m Joins via Composite keys
Creating composite keys in order to link tables via one to many relationships

18 Solving m2m Joins via De-Aggregation
Creating new tables in order to link tables via one to many relationships

19 Table De-Aggregation - Application
Creating new dimensional tables for our sample model

20 Dynamic Calendars - Theory
How to create a dynamic self-updating calendar for your model

21 Dynamic Calendars - Application
Building a dynamic calendar for our sample model

Working with DAX (Power BI's formula language)

22 Basic Measures - Theory
How and why you should create explicit measures in Power BI

23 Basic Measures - Application
Creating measures for our sample model

24 Understanding Measure Calculation
Understanding how the DAX engine calculates measure results

25 Performing Math with Compound Measures
How to perform math against pre-defined measures

26 The CALCULATE() function - Theory
Understanding CALCULATE(), the most powerful function in DAX

27 The CALCULATE() function - Application
Creating measures for our sample model using CALCULATE()

28 The ALL() function - Theory
Removing Filters with the ALL() function

29 The ALL() function - Application
Creating measures for our sample model using ALL()

30 Quick Measures
Using quick measures for time intelligence

Exploring Visuals

31 Global Visual Concepts
Concepts applicable to all visuals

32 Bar & Column Charts
Working with Bar and Column charts in Power BI

33 Line & Area Charts
Working with Line charts in Power BI

34 Combination Charts
Building Combination charts in Power BI

35 Maps
Working with Maps, Azure Maps and Filled Maps in Power BI

36 Pie Charts
Working with Pie and Donut charts in Power BI

37 Treeview
Working with Treeview visuals in Power BI

38 Cards
Working with Cards and Multi-row Cards in Power BI

39 Matrix
Working with Matrix visuals in Power BI

40 Tables
Working with Table visuals in Power BI

41 KPIs
Working with KPIs in Power BI

42 Custom Visuals - Chiclet Slicer
Working with custom visuals in Power BI

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