

Power BI

GoSkills online course syllabus

Skill level

Beginner

Lessons

42

Accredited by

CPD

Pre-requisites

No prior experience needed

Video duration

4h 51m

Estimated study time

20h

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()

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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