COURSE SYLLABUS

Microsoft Power BI Intermediate

Take the next step in Power BI with harder imports, time intelligence, R and Python visuals, KPIs and scorecards, advanced report design, and basic statistical analysis.

$900 per person

9 guided hours plus 2 hours of coaching

On-demand asynchronous training with online support and 2 hours of coaching sessions per course.

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Time	9 guided hours plus 2 hours of coaching sessions
Delivery	On-demand asynchronous training with online support and 2 hours of coaching sessions per course.
Credential	Certificate of completion from We Can Code IT
Who it is for	This course suits data analysts, reporting analysts, and team leads who already publish basic Power BI reports and want the next set of tools.
Prerequisites	Completion of a first Power BI course, or equivalent experience building and publishing basic reports; WCCI's Microsoft Power BI for Excel or Level 1 Report Builder course is a good starting point
Requirements	Requires a Windows PC; Power BI Desktop (free, Windows only); R and Python installed locally for the script visuals module; your IT team may need to approve the installs; Python and R visuals render in the Power BI service only with a Power BI Pro or Premium Per User licence; Creating and sharing scorecards needs a Power BI Pro licence

About this course

This course is the next step after a first Power BI course. You will import and profile data from PDFs and web pages, use fuzzy matching and custom columns, and model for time with what-if parameters and time intelligence. You will also add R and Python visuals, build KPIs and scorecards, design more polished reports and dashboards, and apply basic statistical analysis such as forecasting and outlier detection.

What you will be able to do

- You will be able to import and profile data from PDF tables and web pages and combine sources with fuzzy-match merges and custom columns.
- You will be able to add what-if parameters, groups, bins, and time intelligence measures to a model.
- You will be able to build one R visual and one Python visual and explain where each will render.
- You will be able to create a KPI visual and a scorecard with goals, targets, and check-ins.
- You will be able to apply themes, conditional formatting, drill-through, and data-driven images to a report.
- You will be able to add reference lines, a forecast, and outlier detection to a visual.

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Syllabus

Module	Hours
1. Harder Imports and Data Profiling PDF tables, Web pages, Fuzzy-match merges, Custom columns, Data profiling. Lab: You will combine a PDF table and a web table with fuzzy matching and profile the result for quality issues.	2 h
2. Modeling for Time What-if parameters, Grouping and binning, Time intelligence with quick measures. Lab: You will add a what-if parameter and time intelligence measures to test a pricing scenario.	1.5 h
3. R and Python Visuals R script visuals, Python script visuals, A regression in R, A forecast in Python, Where script visuals render. Lab: You will build one regression visual in R and one forecast visual in Python.	1.5 h
4. KPIs and Scorecards KPI visual, Goals and targets, Check-ins. Lab: You will build a scorecard with three goals linked to report data and record a check-in.	1 h
5. Advanced Report and Dashboard Design Report themes, Conditional formatting, Drill-through, Data-driven images. Lab: You will redesign a report with a theme, conditional formatting, and a drill-through detail page.	1.5 h
6. Basic Statistical Analysis Analytics pane, Reference lines, Forecasting, Outlier detection. Lab: You will add reference lines, a forecast, and outlier detection to a sales trend and explain what they show.	1.5 h
Coaching sessions Two hours of one-on-one or small-group coaching, scheduled with your coach.	2 h

Live online or in-person sessions are available for an additional fee. Email admissions@wecancodeit.org for details.

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