

Bootcamp Infosheet

Instructor

Name: Shannon Lynch

Bio: *As a Power BI coach and consultant, I have helped numerous clients design and implement customized Power BI solutions. In addition to my technical skills, I am an experienced trainer with a desire to help individuals and organizations increase their data literacy and proficiency in creating reports and dashboards. With a strong background in data analysis and a passion for driving business decisions through the use of data, I am dedicated to helping my clients harness the full potential of their data through the use of Power BI.*



Bootcamp Details

Bootcamp Title: *Intermediate Power BI*

Number of Days: *4 days*

Hours per Day: *3 hours (2.5 h of instruction + .5 h of Q and A)*

Type of Instruction: *Lecture with demos, hands-on labs and knowledge checks*

Description: *Throughout this program, participants will learn about advanced data modeling techniques, gaining the ability to efficiently manage complex data relationships and enhance system performance. Students will master Data Analysis Expressions (DAX) for customized calculations and become proficient in crafting engaging reports and dashboards. The course also explores efficient collaboration using Power BI Service, ensuring data reaches the intended audience while facilitating teamwork within organizations.*

Target Audience: *Students with foundational knowledge of PowerBI*

Technologies: *Power BI*

Prerequisites: *Foundational understanding of Power BI (optional - Introduction to Power BI Course)*

Student References: *Class slides, lab files (instructions and pbix files)*

Bootcamp Syllabus

Day 1

- Getting Started with Microsoft Data Analytics
- Prepare Data in Power BI
- Clean, Transform, and Load Data in Power BI
- Design a Data Model in Power BI

Day 2

- Create Advanced DAX Calculations in Power BI Desktop
 - Create a calculated table (for Date), add calculated columns using the RELATED function and explain Row Context and Filter Context in DAX, calculated tables, columns, measures, DAX aggregation and iterator functions
- Using the CALCULATE and filter Modifies

Day 3

- Creating reports in Power Bi
 - Advanced Report Designs
 - Create a three-tier Report with a Drill through page and Custom tooltip
 - Using Field Parameters & Report Performance Optimization

Day 4

- Row-level Security
 - Enhance the data model with a new table to support dynamic RLS, publish the service and configure security, test with shared user
- Create and Manage Workspaces
 - Managing assets in Power BI Service and reusing Power BI data model in Excel
- Distributing reports through App
 - How to set up add distribution
- Schedule Data Refresh in the Power BI service
 - How to set auto refresh schedule for data sources