

Bootcamp Details

Description: *This course is designed for students looking to take their data analysis skills to a more advanced level and learn how to communicate effectively with data. By the end of this program, students will be able to build interactive data visualizations, define best practices in data visualization, and manipulate data in Power BI.*

Target Audience: *Learners with some experience working with data (importing data for manipulation and basic dashboard construction), looking to develop their skills in data visualization and analysis.*

Technologies: Access to **Microsoft Power BI Desktop and Web Services**

Prerequisites:

- *Be able to import data for manipulation*
- *Foundational skills in basic dashboard construction*

Student References: *PowerBI setup instructions, Power BI pre-work links*

Bootcamp Syllabus

Day 1

POWER BI Introduction

- What is Business Intelligence?
- Review the 4 layers
- Set up environment and establish all logins and connections
 - Install the Power BI Desktop/Register account
 - Download the sample Power BI model

Build your first BI Report

- Load Data--sum/sort
- Slicers
- Save and publish
- Summary Report
- Apply skills on LAB 1 Exercise

Building a report with Formatting

- Create Simple Chart
- Labels/Legends/Titles
- Class practice
- Radial gauge-Doughnuts
- Conditional Formatting

Day 2

LAB 2

- Formatting Application
- Filters
- Formatting Visuals with Slicers

Creating Interactive Visuals

- Report Themes
- Grid Lines and phone layout
- Report Layout Visual Alignment
- Bookmarks
- Dashboards: Which is better *discussion*

Day 3:

Using the ETL Layer

- Power Query
- Apply changes and save dataset

Power BI Web Services (Lab 3)

- Navigate the Portal
- Upload and Download your report
- Sharing your reports
- Build Report online
- Build Dashboard
- DATA alerts
- Subscriptions

Day 4

Implement Data Storytelling Frameworks

- VisualizingData: Design Principles

- Why is storytelling Important?

PROGRAM IN POWER BI USING DAX

- Understanding data tab
- Fields pane
- Measure formula
- Calculate function
- Connect data from a PowerBI.com
- Lab 4