

# Power BI Bootcamp

## Instructor

**Name:** *Dr Kevin Kelly*

**Bio:** *Dr Kelly has a Ph.D. in Education, with a specialty of Instructional Design and Technology. His passion is to transfer key analytical skills and knowledge to his clients, so they can experience the power of numbers by making strategic and profitable decisions for their company. Also holding an MBA in Finance and a Bachelor of Science degree in Chemical Engineering, he can communicate in both the financial world of Wall Street and the petrochemical plants of Texas. Living within the world of analytics for over 30 years, he has created training sessions uniquely designed for clients. He envelops operational intricacies in his courses and places them into easy-to-understand lessons with repeatable processes. Dr. Kelly provides a perfect mixture of technical knowledge, practical experience, and fun classroom interaction to reinforce solid takeaways and memorable application upon class completion.*

**Image:**



## Bootcamp Details

**ID:** *< Assigned by Skillsoft >*

**Bootcamp Title:** *Introduction to PowerBI*

**Number of Days:** *3 days*

**Hours per Day:** *3.5 hours of content + .5 hours for Q and A*

**Type of Instruction:** *Lecture with Lab, exercises and knowledge checks*

**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

*Outline – Add or delete days/topics as needed.*

### 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
- Formatting Application

## **Day 2**

### **LAB 2**

- 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*

### **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

## **Day 3:**

### **Power BI Web Services (Lab 3)**

- Build Dashboard
- DATA alerts
- Subscriptions

### **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