INTRODUCTION TO POWER BI

Course Overview

Power BI™ is Microsoft's cloud reporting and business analytics tool suite used to analyze data and share insights. With Power BI, you can supercharge your organization's ability to monitor your projects, programs, and resources, or just about any other data across the enterprise and get answers quickly with rich dashboards available on every device. This course teaches the core techniques that your business analysts and PMO need to use this powerful data intelligence and report authoring tool. Attendees of this course will gain practical examples from an experienced instructor who has deployed and configured Power BI reporting for a wide variety of businesses.

This one or more-day course utilizes either an Advisicon training/demonstration environment or, for a private class, the client organization may choose to use its own data sources to maximize immediate application of knowledge. This course can be delivered in-person or remotely in full- or half-day sessions. The one-day course will teach basic concepts and create a single report; two or more days allow for deeper learning including Power Query and DAX concepts as well as additional practical exercises.

Participants will learn to:

- Describe the components of the Power BI suite and its benefits to the organization
- Demonstrate an understanding of the source data schema
- Perform basic transformations of data
- Select appropriate visualizations for the data being reported
- Apply appropriate filters to reports and dashboards
- Build a report and dashboard and deploy it to the online Power BI service

Course Materials and Professional Development (PDUs)

Course materials are comprised of a set of proprietary reference materials to help you navigate and leverage the Project Online schema. Attendees can also earn Professional Development Credits from the Project Management Institute (PMI®).

Course Instructors and Accreditation

Advisicon is a PMI® Registered Education Provider and Microsoft Gold Partner (Microsoft's highest partner ranking) holding Gold Competencies in Data Analytics, Project and Portfolio Management, Cloud Productivity, and Windows and Devices, as well as Silver Competencies in Collaboration and Content and Small and Midmarket Business Solutions. This course will be taught by an experienced instructor who is an expert in the field of project management, Microsoft Project/Project Server, and Power BI.

Who Should Attend This Course?

This course is targeted at those wanting to get hands-on with development of data queries, data transformations, and the building of reports and dashboards. Microsoft's goal with Power BI is to make transformation of business data into insightful analytics achievable by end-users, rather than requiring deep technical skills. With that said, Advisicon recommends that attendees be prepared for a moderate level of business intelligence and analytics "jargon" and be familiar with foundational database concepts including tables, fields, and relationships.
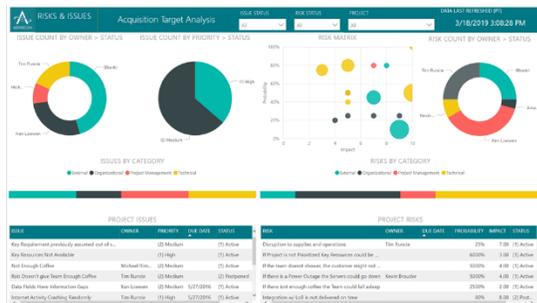
Learning Objectives

Learn the Power BI Solution
- Power BI Solution Benefits
- Key concepts in business intelligence
- Components of the Power BI suite

Get Data
- Accessing a variety of source data
- Selecting and mining relevant tables
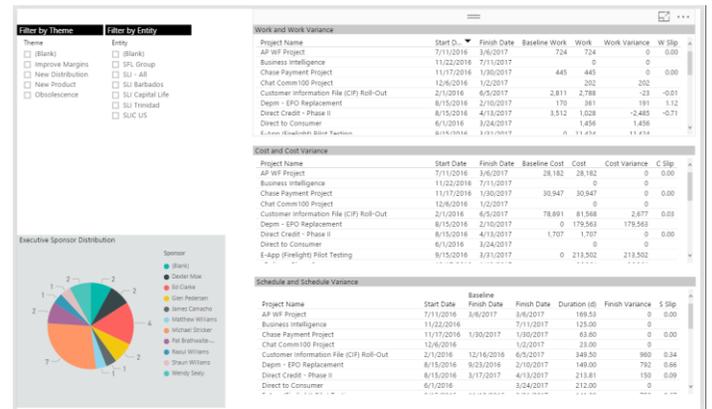- Basic Power Query

Basic Data Transformations
- Building simple queries
- Filtering queries
- Table relationships
- Changing data types
- Introduction to custom columns and measures
- Basic DAX – Data Analysis Expressions

Creating Power BI Reports
- Understanding the hierarchy of datasets, reports, and dashboards
- Creating tables and matrices
- Selecting appropriate visualizations
- Formatting
- Filtering visuals, pages, reports

Publishing Reports in Power BI Service
- Publishing reports
- Establish data refresh for reporting
- Creating dashboards & multi-report dashboards
- Sharing and distributing dashboards