

Technology & AI

Data Analytics with PowerBI

Turning data into real-time business insights.



Get up to 70% SkillsFuture Funding

S\$1000 / 2 Days

Before Funding

Delivery
In-Person

Level
Beginner-Intermediate

About the Course

Power BI is a business analytics service by Microsoft. It aims to provide interactive visualizations and business intelligence capabilities with an interface simple enough for end users to create their own reports and dashboards.

This course provides participants with the knowledge and skills to work with and analyze data and work with business cases using Microsoft Power BI. This course will allow participants to use Power BI Desktop to connect to various data sources, shape the data, and use data models to create reports.

Through this Power BI course, participants can learn that Power BI Desktop centralizes, simplifies, and streamlines what can otherwise be a scattered, disconnected, and arduous process of designing and creating business intelligence repositories and reports.

3 Takeaways



Design interactive visualization using business intelligence to gather actionable insights.



Gain through real world case studies, the knowledge and skills to analyze data.



Pull data from various sources, clean, transform and model it to answer specific business questions.

Who is this course for?

Anyone who wants to create professional dashboards to analyze data and derive insights..

Pre-requisites

- ✓ No prior PowerBI experience is required to take this Course
- ✓ Having of some basic knowledge of Excel. charts and graphs would be an added advantage for you.
- ✓ All equipment for the course will be provided by Impress Training.

Day 1

Here's what you get to learn in this course



Visualization Techniques and Information Displays

Appropriate types of data display

Types of Dashboards and Scoreboards

Topic 1

Visualization Techniques and Information Displays

- Fundamentals of KPIs and their respective visual format
- The visual variables used in visualizations.
- What differentiates a good visualization from a bad one?
- Basic technical terminologies to get started with Power BI
- Different kinds of charts in Power BI

Topic 2

Appropriate types of data display

- Connect different data sources
- Understand data statistically and visually
- Understanding Power Query Editor for data transformation and cleaning
- Working with multiple data files
- Understanding Data Normalization
- Understanding Facts and Dimension tables
- Create relationships among queries
- Making "dirty data" fit for analysis

Topic 3

Types of Dashboards and Scoreboards

- Convert data types
- Create hierarchies in data to drill down
- Create groups
- Create basic visualizations
- Formatting visualization
- Apply in-built filters to a chart as slicers/ radio buttons/drop-down menu
- Understanding Focus Mode
- Adding interactivity in visuals for advanced presentations

Day 2

Here's what you get to learn in this course



Technical Features in Data Presentation and Report Creation

Presentation of Data into a Report

Data Findings Through the Dashboard

Topic 1

Technical Features in Data Presentation and Report Creation

- Create Slicer
- Understanding and using the visualization pane for filtering
- Creating Visual Field filters
- Creating Top N Filters
- Adding page-level filters
- Understanding Filter Interaction in Reports
- Create Map Based Visualizations
- Create Gauge and TreeMap Visualizations
- Importing Custom Visualizations
- Create multiple report pages
- Understanding Drill through capabilities and cross-filtering on reports

Assessment

As part of the requirement for SkillsFuture Singapore, there will be an assessment conducted at the end of the course.

Participants are required to attain a minimum of 75% attendance and pass the assessment to receive a digital Certificate of Completion issued by Impress Training along with a WSQ Statement of Attainment.

Topic 2

Presentation of Data into a Report

- Create a report
- Machine Learning features in Power BI
- Build a narrative in your report
- Customizing reports with shapes, images, text, backgrounds etc.
- Insight generation using Natural Language Processing in Power BI

Topic 3

Data Findings Through the Dashboard

- Understanding Power BI Service (Participants will be provided with a business account)
- Publishing reports to Power BI Service
- Accessing and sharing reports
- Storytelling using Power BI service

Meet Our Trainer

Pranav Dubey

“ A very good course for beginners and yet providing a good overview of the possibilities of Power BI

William Chan, Deputy Director

“ I will recommend this course to my colleagues who are getting started with Power BI.

Ken Kuwabata, Manager



Pranav is an accomplished academic and corporate trainer in the field of data science, business

Intelligence, and automation. With over 7 years of professional experience, Pranav worked in and trained professionals in Financial Services, FMCG, Marketing, Software Development & Business Management.

Passionate about technology, he has been involved in developing digital solutions for analytics, operations, and AI. As an advocate of equal educational opportunities for all, Pranav has taught and mentored over 100k college students from 23+ countries on various skills through his social venture, The Sparks Foundation.

As a corporate trainer, he has taken 1500+ hours of on-site and virtual training sessions & workshops in APAC region since 2019.

Pranav holds a Master of Science (Data Science and Business Analytics), APU, Malaysia, a Post Graduate Diploma in Management (Finance and Marketing), NDIM, India, and a Bachelor of Arts from the University of Delhi, India

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