



# EMPOWER YOUR DATA: **POWER BI** INTRODUCTORY WORKSHOP



Date & Time:  
June 25, 4:30-7:30PM



Venue:  
USC TC LB467 / LB468

Hosted by:



SABRINAH YAP

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WAYNE DAYATA

## EMPOWER YOUR DATA: **POWER BI**

INTRODUCTORY WORKSHOP

- Useful for generating **business insights** from raw data and aiding decision-making through **interactive visuals** and business intelligence capabilities.
- Supports several **data sources** and **data transformation** steps.

# Why Power BI?



# Prerequisites

1. Power BI Desktop App
2. Datasets

--> **<https://bit.ly/CISCOPowerBI>** <--

# Part A: Budget Analysis

1. Exploring the interface
2. Exploring the data
3. Transforming data
  - Row removal
  - Column transformations
  - Column insertions
  - Data validations
4. Data normalization
5. Data modelling
6. Reporting
  - Column chart (Budget)
  - Treemap (Categories)
  - Slicer (Subcategories)
  - Styling

# Part B: Employee Analysis

## 1. Exploring the data

## 2. Cleaning data

- Missing values
- Data quality validation
- Date transformation

## 3. Exploratory data analysis

- Job role vs. Income / Marital Status
- Education / Gender vs. HourlyRate
- Career Stage vs. Income

## 4. Advanced visualizations

- Decomposition tree  
(Income and attrition rates)
- Smart analytics  
(Key influencers and top segments)