

# Data Analytics through Visualisation

## Full-day workshop



*What are the benefits and opportunities of using visualisation to perform data analytics?*

### Objective

*To empower senior executives and corporate professionals with knowledge of popular data visualisation tools by providing them with classroom exercises based on real life situations.*

### Who should attend?

Finance and audit professionals and any other professionals keen to learn how data visualisation can help to spot trends, anomalies or any pattern hidden within the data.

Hands on exercises allow participants to compare and contrast the most popular data visualisation tools in the market today.

### Benefits of attending

Data has transformed the world we live in. More and more companies are using data analytics to excel in the market place. As human minds can process visual objects more easily than data on spreadsheets and reports, data visualization is an effective way to convey complex concepts and identify new patterns in data.

This course will take you through how data visualisation can help to analyse data. We will provide step by step guidance during our hands on exercises covering popular data visualisation tools in the market.

Following the Chinese adage “I hear and I forget; I see and I remember; I do and I understand”, this course allows you to learn by doing. We will also share with you experiences and case studies by practitioners bringing alive real life scenarios.

We will address questions such as:

- How can data visualisation create impact by uncovering patterns and trends in the data?
- What are the visual analytic tools available?
- How can I learn the basics of the key features in these tools?
- What are practical hints and tips in data visualisation?

The benefits this will provide you are:

- Recognise the application of data visualisation in business settings
- Hands on experience on data visualisation tools
- Recognise practical hints and tips on data visualisation
- Improve use of visualisation to enhance your decision making

# Workshop agenda

## An overview of Data Visualisation for data analytics

- Recognise how data visualisation helps in analytics through exploratory analysis
- Recognise the landscape of tools available in the market for data visualisation
- Self service analytics with 'slide and dice' capabilities for impactful communication
- Leading practices in data visualisation

## Tips and tricks using Excel Charts

- An overview of key features of Excel Charts including
  - ✓ Using the 'recommended charts'
  - ✓ Chart level filters
  - ✓ Combination charts
- Hands on exercises covering the above and more

## Intro to PivotCharts using Microsoft Power Pivot

- An overview of key features of PivotCharts including:
  - ✓ Creating charts from multiple tables (sheets)
  - ✓ Unravelling the power of Data Slicers
  - ✓ Say goodbye to complex 'vlookups' and 'index-match'
- Hands on exercises using PowerPivot PivotCharts
  - ✓ Introducing Table joins using PowerPivot
  - ✓ Advanced PivotCharts

## Intro to Data Visualisation tools: Power BI, Tableau and QlikView

- Learn how to tell a story using visual analytics through the use of powerful dashboards and filters
- Create interactive Dashboards on using Data Linking on Pages – a new way to draw insights from your data
- Hands on exercises:
  - ✓ Create good looking charts and graphs through simple drag and drop of variables
  - ✓ Built in interactivity between different charts on a consolidated dashboard
  - ✓ Drill down techniques to quickly understand trends & patterns that exist within your data – however voluminous it is
  - ✓ Use of geographical location mapping
  - ✓ Dashboards as part of story telling

## Additional real life examples

- Real life examples from data practitioners covering a number of industries and business settings

## About your workshop facilitators



**Loo Soo Kiat**  
Director, PwC Singapore

Soo Kiat has over 12 years of experience in providing advisory services to clients primarily in the Technology, Media and Telecommunications industry on matters ranging from strategy to execution.

Soo Kiat is focused on solutions that are underpinned by data and analytics, combined with his deep industry experience to derive insights with impact. He has worked in the US and Australia, and was previously an internal auditor at a major telecommunications service provider in Singapore.



**Raj Balaraman**  
Senior Manager, PwC Singapore

Raj brings his experience from helping clients on data advisory engagements to enable them to maximise their investments in system and data tools.

He has worked in India, UK and Singapore over the last 14 years on a variety of engagements including the creation of a data analytics course for a leading local bank in Singapore and supporting internal audit & external audits using data tools and techniques.

## Registration fees (all fees include 7% GST)

PwC Clients & Alumni: S\$585.00  
Public: S\$630.00  
10% group discounts for 3 participants & above

## How to register

Please fill in the registration form attached below and send it to [academy.sg@sg.pwc.com](mailto:academy.sg@sg.pwc.com).

For further queries, please contact Ms. Siti or Ms. Maimunah at (65) 6236 3957/3.

A complete calendar of training courses can also be found on our website [www.pwc.com/sg/academy](http://www.pwc.com/sg/academy).

## Registration Form – Data Analytics through Visualisation

**PwC clients/alumni - S\$585 • Public - S\$630**

10% group discounts for 3 participants & above

Please register the following person/s for the workshop on:

☐ **20 June 2017, 9 am – 5 pm**

1. Name: Mr/Ms/Mdm ..... Designation: .....

Email: ..... Contact No: .....

2. Name: Mr/Ms/Mdm ..... Designation: .....

Email: ..... Contact No: .....

### Contact Person

Name: Mr/Ms/Mdm ..... Designation: .....

Company: ..... Address: .....

Email: ..... Contact No.: ..... Fax: .....

Enclosed is cheque for S\$..... (Cheque no. ....) made payable to "PricewaterhouseCoopers Risk Services Pte Ltd."

### Registration and Payment

Registrations can be done by telefax at (65) 6236 3300 but will only be confirmed upon receipt of payment and registration form. Please mail the registration form and payment to **8 Cross Street, Level 10 Mail Centre, PWC Building Singapore 048424 (Attn: Siti/Maimunah, M&C Dept).**

For registration and enquiries, please call Ms Siti or Maimunah at (65) 6236 3957/3 or email us at [academy.sg@sg.pwc.com](mailto:academy.sg@sg.pwc.com)

### In-Company Training

This workshop can be presented on-site at your organisation as an in-house programme. For more information and enquiries, please contact Tony Moore at (65) 6236 3155 or email at [anthony.moore@sg.pwc.com](mailto:anthony.moore@sg.pwc.com).

### Note:

- Fees includes 7% GST, refreshment, lunch and seminar kit.
- The seminar will be conducted at a dedicated training room in PwC Building or at a venue located near an MRT.
- Certificate of Attendance will be awarded on successful completion of the workshop.

### Cancellation policy:

1. Full payment must be made prior to the seminar.
2. Registered participants will be liable for the full fee even in the event of non-attendance.
3. Upon receipt of registration, any request for cancellation or a replacement must be confirmed in writing at least **(7) working days** before the seminar and subject to PwC's Academy's approval.
4. 10% administrative fee will be imposed for any cancellation or deferment received less than **(5) working days** before the seminar.
5. PwC's reserves the right to amend, postpone or cancel the seminar due to unforeseen circumstances.

### Tax deduction

Companies can claim 400% tax deductions or 40% cash payout of total registration fees under the Productivity and Innovation Credit (PIC) Scheme. Terms and Conditions apply.

For more information, please visit the IRAS website at

<https://www.iras.gov.sg/irashome/Schemes/Businesses/Productivity-and-Innovation-Credit-Scheme/>