

BIG DATA ANALYSIS AND VISUALIZATION

Overview

Who am I?



- Senior Business Analyst
- Over 15 years in consulting and technical experiences in I.T industry
- Over 20 years teaching experiences in University

■ **Email:** Peter@Peter-Lo.com

■ **Facebook:** <http://www.facebook.com/PeterLo111>

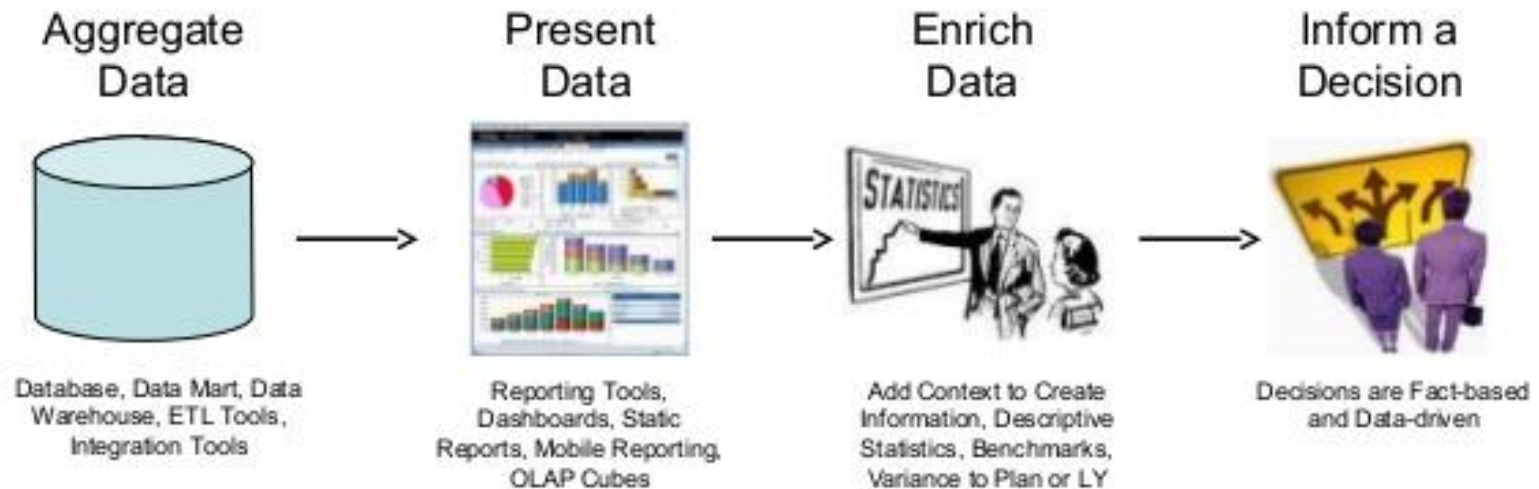


Where can you find the material?

- Workshop Notes and Exercises
 - ▣ <http://www.Peter-Lo.com/Teaching/AMA-BI>
- Microsoft Power BI
 - ▣ <https://docs.microsoft.com/en-us/power-bi/>
- Tableau
 - ▣ <https://www.tableau.com/learn/get-started>

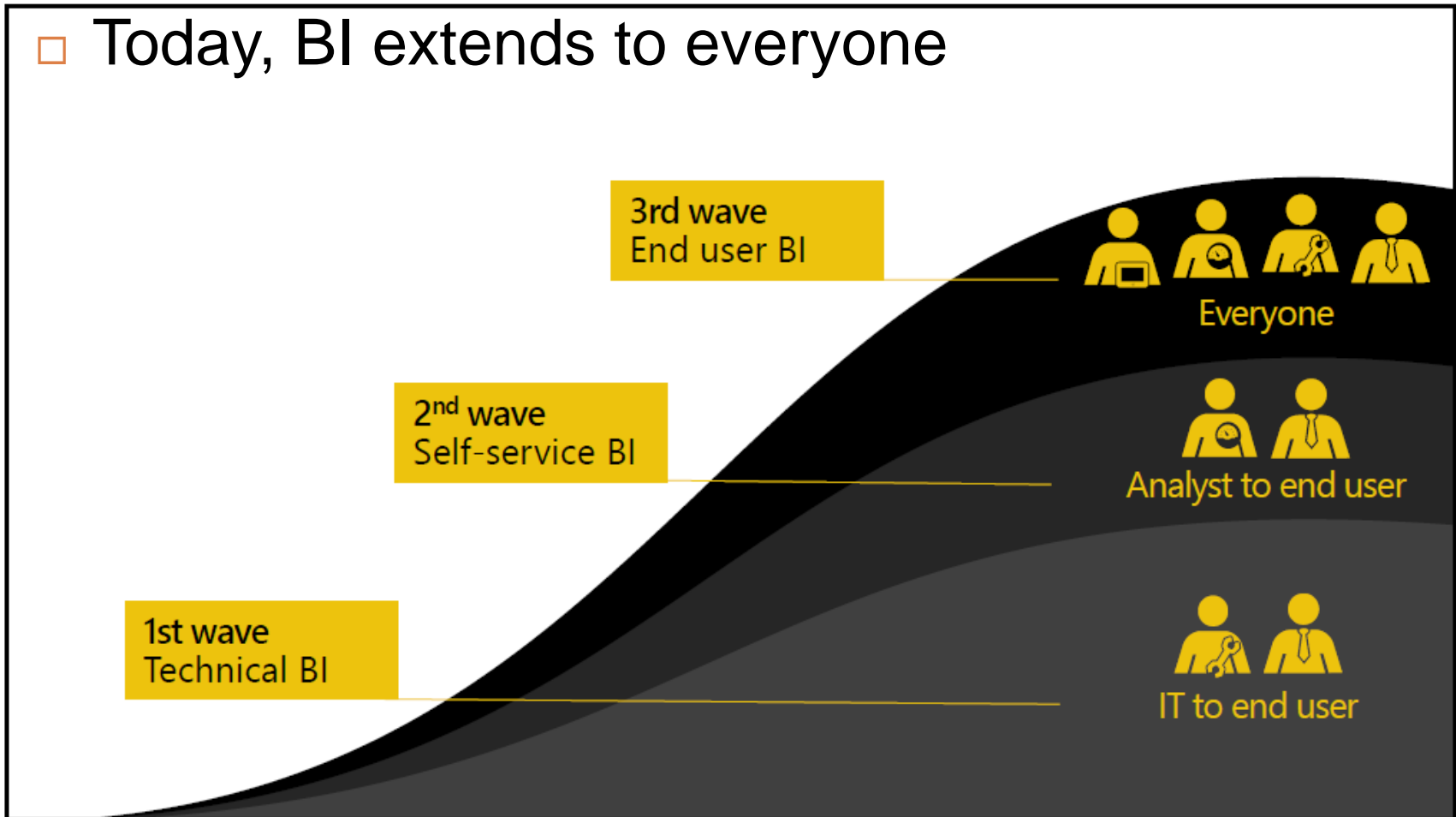
What is Business Intelligence?

- Business Intelligence (BI) is a technology-driven method which helps you to analyze data and to provide actionable information which helps corporate executives, business managers, and other users to make informed business decisions.



A New Generation of BI

- Today, BI extends to everyone



Most Popular BI Tools



Popular Data Visualization Tools

- **Excel** is a popular spreadsheet application that carries some of the best visualization tools under its hood. A skilled professional can perform complex calculations and data visualization in Excel.
- **Tableau** is one of the top BI tools used by various organizations for data analysis, visualization, report generation, and publication. It has a simple and easy-to-use interface that allows the users to connect, clean, and transform the raw data into meaningful insights.
- **Microsoft Power BI** is another powerful tool used by various companies to implement BI capabilities. It's a collection of various tools and techniques that allows the user to perform data analytics and visualization to make visually interactive reports and dashboards.

Sample Data

- Samples Dataset for Power BI
 - ▣ <https://learn.microsoft.com/en-us/power-bi/create-reports/sample-datasets>
- Contoso Sales for Power BI
 - ▣ <https://www.microsoft.com/en-us/download/details.aspx?id=46801>