



## Tableau Tutorial

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## About Me

### Education

- *2012 - 2014* MSc in Innovative Communication Technologies & Entrepreneurship Alborg University of Copenhagen (Service Development track)
- *2000- 2005* Bachelor degree in Computer Science, University of Ioannina, Greece

### Work Experience

- *November 2014 - Onward* Engineer/IT Consultant at IVA
- *August 2014 – October 2014* Internship at Cvation, Software Engineer
- *September 2013 – December 2013* Assistant Researcher at CBS
- *October 2006 – December 2012* Web Developer in Creative Marketing, Atcom Internet Technologies and Heronia Travel.

### Other Interests

- Programing, C#, AngularJS, Linux, Databases, Big Data analytics and Visualizations
- Travelling, Cinema, Sports etc.

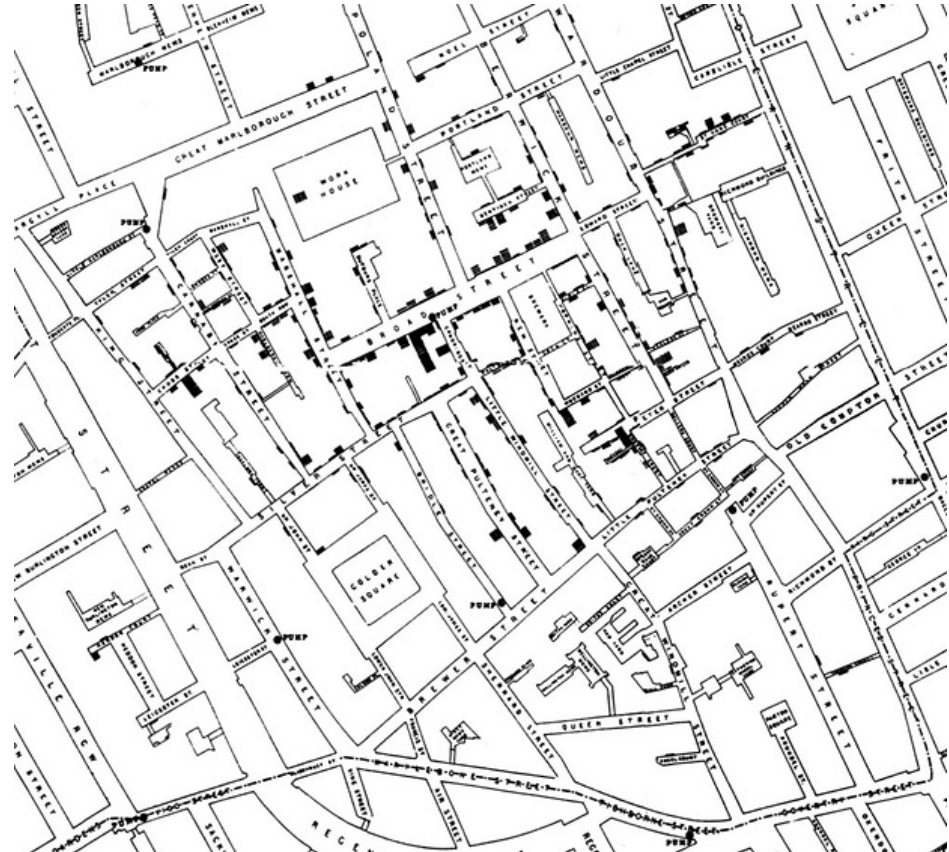


## Agenda

- Introduction
- Tableau a success story
- Why Tableau
- Use of Tableau
- Tableau Terminology
- Important to understand
- Tableau Interface
- Hands On



## John Snow?

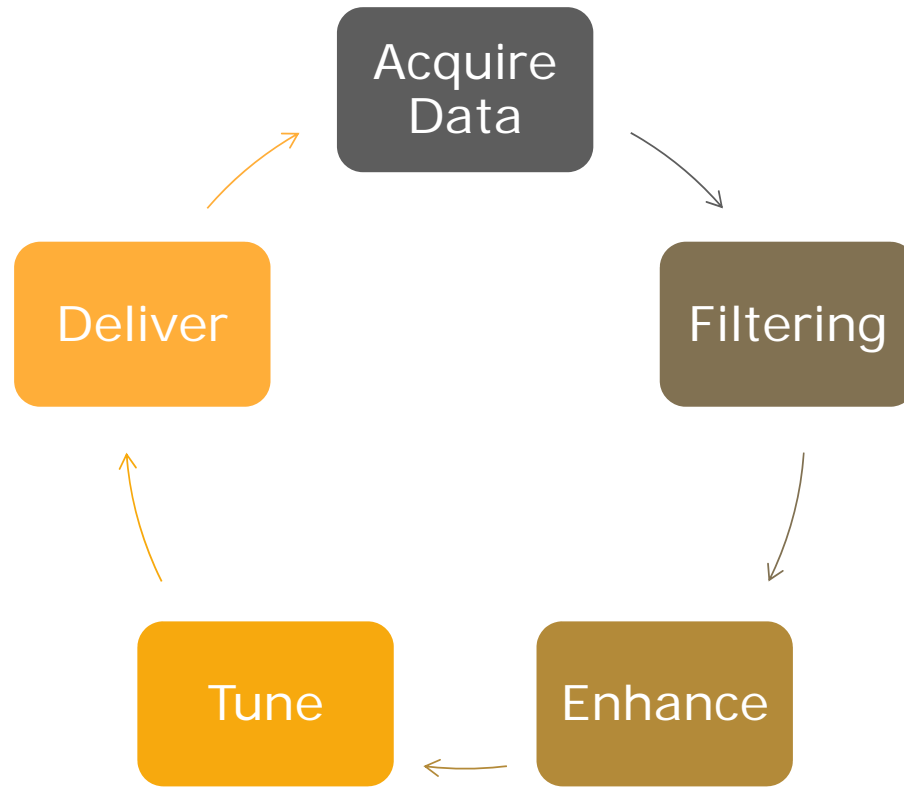


Snow used a dot map to illustrate the cluster of cholera cases around the pump.

\*wikipedia.org



## Visualization Process



\*Pluralsight.com - Visualization Process



## Tableau

- Started in academia known as Polaris in 2001

*“Whenever I helped people get direct access to data, they were shocked and grateful. I’ve never forgotten that”* Chris Stolte Co-Founder of Tableau

- Founded in 2004 – Seattle headquarters
- Business Intelligence company
- Customers: Apple, Microsoft, Zynga, Bank of America, Walmart, GM, Ferrari, Tesco, and +1000 more



## Why Tableau

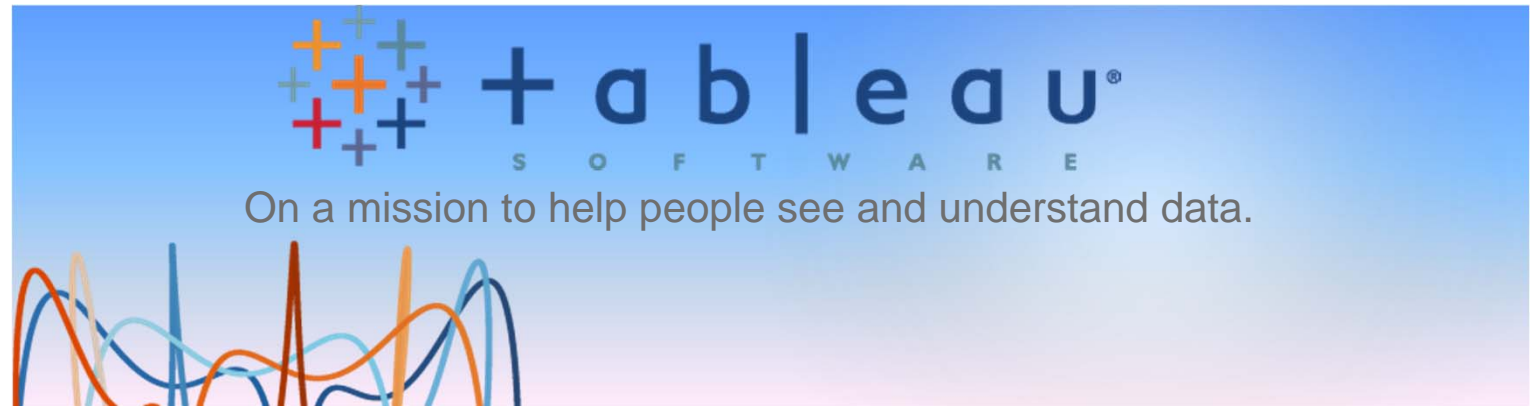
Tableau a great Tool for visualization, BI and data analytics.

- Ideal for complex visualization
- Interactive Presentation
- Importing Data from other sources is easy
- Fast Analytics
- Interactive and smart Dashboards
- Share results within seconds
- Great Support from Tableau Teaching



## How do people work with Tableau?

- **Tableau Desktop**
- Tableau Reader
- Tableau Public
- Tableau Server
- Tableau On Line





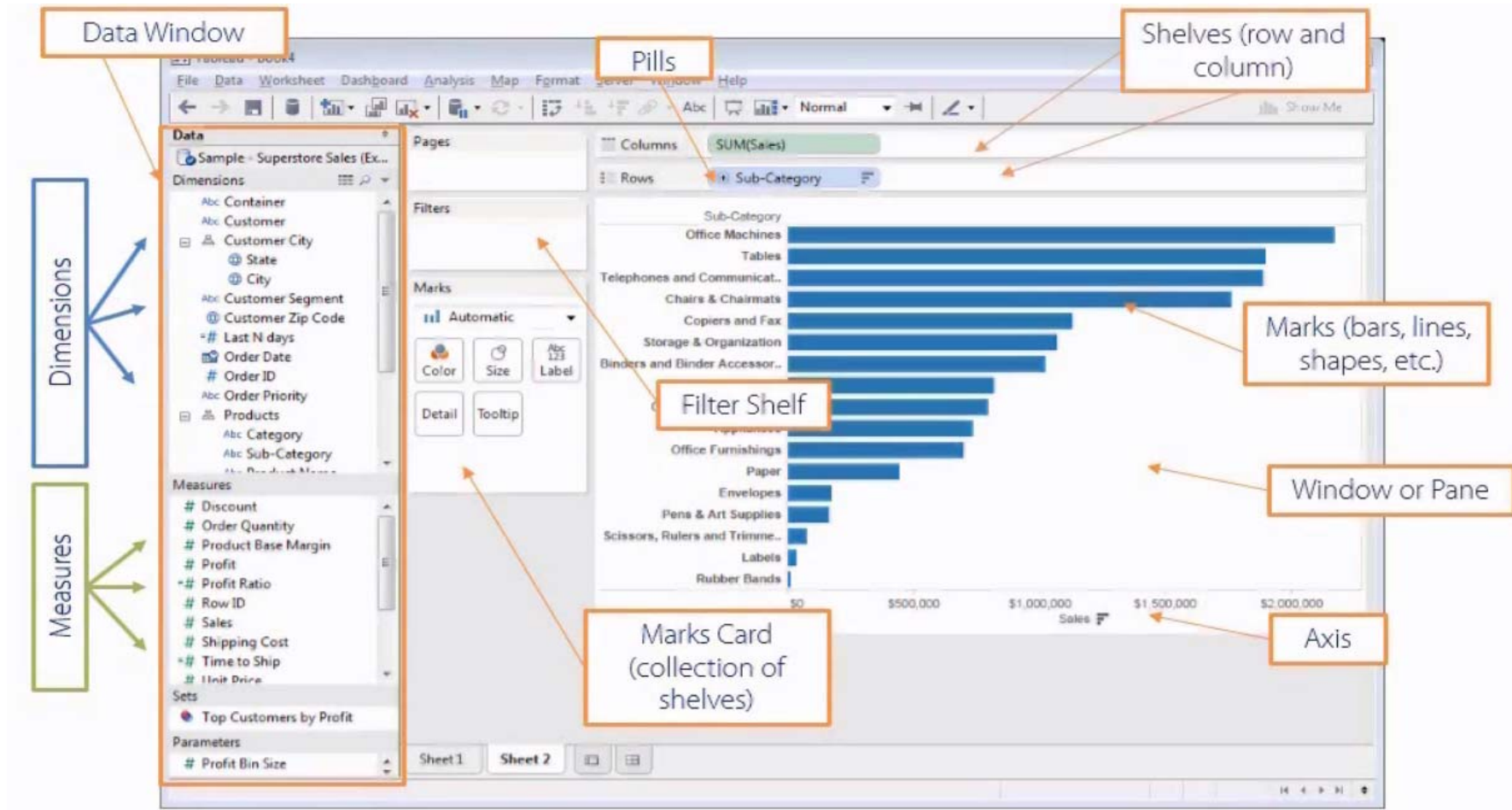
## Tableau Terminology

Panels:

- Data, **Show Me** (recommended Graph by tableau)
- Marks Cards, Filters , Pages, Axis
- Columns, Rows (Shelves)
- **Dimensions**
- **Measures**



## Tableau Interface



\*Pluralsight.com – Tableau Interface



## Important Terms in Tableau

- **Dimensions** represents fields that contains qualitative data or categorical data.
- **Measures** represents a field that contains quantitative data

Most often, dimensions are **discrete** fields, and measures are **continuous**.

In Tableau **blue color** indicates a **discrete** value and **green color** indicates **continuous** value.



## Working with Tableau

- Connect to Data
- Hierarchy, Sorting, Grouping, Filtering,
- Basic Charts
- Advanced Charting
- Mapping
- Dashboards
- Forecasting
- Clustering



## Downloading & Installing Tableau

### 1. Downloading.

<http://www.tableau.com/tpep/copenhagen-university>

click on Get Start Button, Save the **exe** file

### 2. Install the program.

Run the exe file

### 3. Instructions:

On the form, enter your university email address for "Business email"; and under "Organization", please input the name of your school

Activation Key: TDMH-CFD6-2770-1670-6C21

TSWD-3248-74F0-2446-031F



Questions?

