Lesson Plan
TABLEAU

The aim of this course is to gain skills in data visualization by learning Tableau, one of the business intelligence tools. At the end of the course, you will gain knowledge in accessing and transforming data, creating effective dashboards and publishing dashboards.

Custodian   :   Jack-Instructor (jack@clarusway.com)

In-class Sessions   :   13 Sessions / 39 hours

Lab Sessions   :   5 Labs / 5 hours

Prerequisites

- ● No prerequisites

Course Outline

1. Introduction to Tableau
    1.1. Course Info, What is BI?, What is Tableau, Getting Started with Tableau Desktop
    1.2. Basics of Tableau, Connect to Data
    1.3 Tableau Workspace, Data Types, Dimension and Measure
2. Visual Analytics
    2.1. Difference Between Dimensions & Measures
    2.2. Building Visualization
    2.3. Chart Types
    2.4. Time Series
    2.5. What is Dashboard & Story?
    2.6. Filtering Your Data
    2.7. Sorting Data, Creating Groups, Sets, Hierarchies, Parameters
3. Calculations
    3.1. Calculated Fields
    3.2. Quick Table Calculations
    3.3. Table Calculations
    3.4. Analytics Pane
    3.5. Level of Detail Expressions (LODs)

3.6.   Geospatial Analysis
4.   Dashboards
    4.1.   Dashboard formatting
    4.2.   Filter in Dashboard
    4.3.   Adding Interactivity to Dashboards - Actions
    4.2.   Efficient Dashboards
5.   Combining Tables & Data
    5.1.   Join Types with Union
    5.2   Blending Multiple Data Sources
    5.3   Relations

Materials & Resources

- Clarusway Learning Management System (LMS)
- [Tableau Free Training Videos](#) (Official Website)

Tools and Software

- Zoom, Slack, Kahoot, Peardeck Applications
- Tableau Public / Tableau Desktop

Assignments & Projects

Assignments

- Assignment-1 (Escape the room)
- Assignment-2 (Create a Dashboard)
- Assignment-3 (Makeover Monday)

Projects

- Project-1 (Sales Analysis of a Website)
- Project-2 (Covid-19 Tracker)