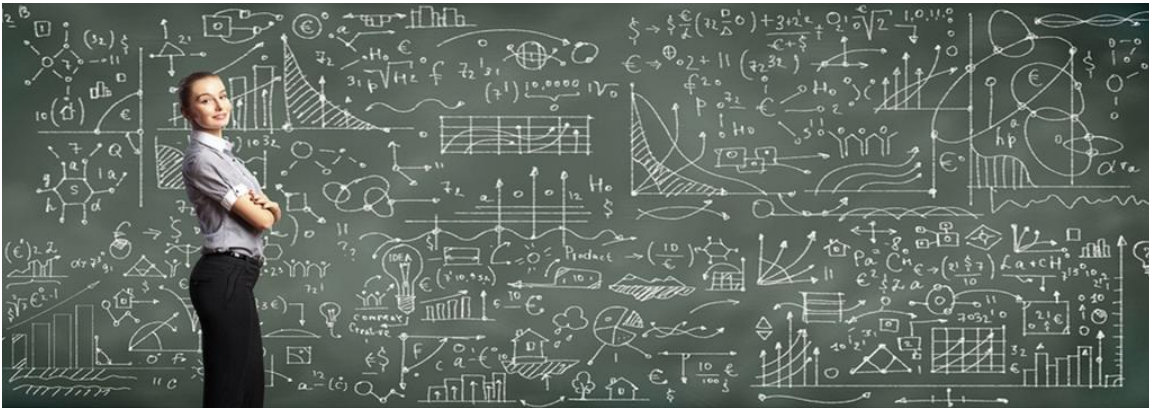


# Introduction to Big Data Analytics & Tableau Desktop



**Where:** Coastline Community College in Garden Grove

**When:** June 26, 2017 Thru June 30, 2017

**Target Audience:** Instructors who want to develop a set of core Tableau Desktop skills to teach students looking to develop similar expertise valuable in a Data Analytics career.

## **Session Overview:**

This workshop is a high level introductory session to the world of Big Data Analytics and Tableau hands-on Training. Tableau is the widely used tool in the Data Visualization and Analytics space. During the workshop, we will be taking a look at what makes up Big Data, how it is used in business today and introduce the audience to the core features of Tableau and walk through examples implementing those features through a series of hands-on labs as time allows.

Tableau is the Visualization platform that allows data analysts and business drivers to view the data that has been consolidated from various OLTP transactional environments into various DataMarts or a single Data Warehouse.

Topics that will be covered during this training will be:

1. Introduction to Big Data and Analytics

2. Install and set up Tableau on student laptop
3. Connecting to Databases and to File data sources
4. Creating basic visualizations of a data set
5. Filters
6. Calculations,
7. Charting data,
8. Using Tableau Functions
9. Creating Dashboards

Additional topics that may be covered as time allows:

1. Geo data Visualization
2. Creating Data Sets

## **What is Tableau Desktop?**

Tableau Desktop is based on breakthrough technology from Stanford University that lets you drag & drop to analyze data. You can connect to data in a few clicks, then visualize and create interactive dashboards with a few more. Tableau Desktop supports people's natural ability to think visually. Shift fluidly between views, following your natural train of thought. You're not stuck in wizards or bogged down writing scripts. You just create beautiful, rich data visualizations. It's so easy to use that any Excel user can learn it. Get more results for less effort. And it's 10 – 100x faster than existing solutions.

<http://www.tableausoftware.com/products/desktop#why-you-need-tableau-desktop>

## **Optional Text Book Reference:**

If students would like to get a textbook for reference and future use after this course is completed (Not required for the course), below is a recommended textbook:

Tableau Your Data!: Fast and Easy Visual Analysis with Tableau Software  
Paperback – November 11, 2013 by Dan Murray **ISBN-13: 978-1118612040**



**Instructor: Faysal Shaarani** has been in the field of Information Technology for 28 years working with Oracle Databases and Oracle products. He has spent 10 of those years with Oracle Corporation working in different capacities (Consulting, Technical Support, and Sales and Marketing IT). While at Oracle Consulting, Faysal delivered on-site training to Oracle customers in the United States and overseas.

In addition to writing numerous Oracle technical articles, Faysal has edited and provided technical reviews to various technical articles and books on Relational Databases, Oracle, and the SQL and PL/SQL programming languages.

Faysal spent 13 years at Cisco Systems working in different capacities (Data Warehousing as a Senior IT Engineer/Operations and infrastructure Lead, IT Compliance, IT Architecture, and Borderless Networks). Over the same period of time he has been teaching various Oracle classes (Oracle Database Architecture and Administration, Backup and Recovery, Performance Tuning, PL/SQL Programming, SQL Programming, Oracle Forms, and Oracle Reports) at both UC Santa Cruz and UC Berkeley Extensions as well as at the University of Phoenix and at Ohlone College.

Most recently, Faysal has worked as a Senior Business Intelligence Data Analyst at Hightail, Inc., and as a Senior Sales Engineer at Snowflake Computing, the Cloud Data Warehousing on-line SAS Company. Faysal holds a BS in Computer Science and an MBA in Marketing.

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