



# Data Visualization and Business Intelligence using Tableau Course



Building through Learning...



## Northeast Training Group – Egypt

[www.ntg-egypt.com](http://www.ntg-egypt.com)

NTG Egypt is licensed by NTG of America to expand their training programs and courses in the Egyptian market with the mission of providing participants with the “Must Have” Skills they need to strengthen their ability improve and maintain job performance that is required to support strategic corporate business goals. NTG-Egypt maintains a policy of objectivity and client focus through its decision to use only the very best professional instructors.



## Content

During the course participants will learn how to use Tableau, the number one Business Intelligence tool on the market today. Tableau is business intelligence software that allows anyone to easily connect to data, then visualize and create interactive, sharable dashboards. It's easy enough that any Excel user can learn it, but powerful enough to satisfy the most complex analytical problems. Tableau helps anyone quickly analyze, visualize and share information

## Program Overview

In 2020 the world will generate 50 times the amount of data compared to 2011 and 75 times the number of information sources. Within this huge amount of data are unparalleled opportunities for human advancement. A well-designed visual interpretation of data improves comprehension, communication, and decision-making. This course introduces data methods and techniques that increase the understanding of complex data. The focus is on conveying ideas effectively with visually appealing charts, graphs and maps. Participants will learn to craft clear, meaningful pictures of complex statistics and available data through the creation of effective graphs and charts.

## The main outlines of the course are as follows:

- The Context of Data Visualization
- Setting the Purpose and Identifying Key Factors
- Visualization Design Options
- The visualization anatomy
- Data visualization methods, choosing the appropriate chart type
- Creating Basic Visualizations Simplifying and Sorting Your Data Organizing your Data
- Slicing your Data by Date
- Using Multiple Measures on the Same Axis
- Showing the Relationship between Numerical Values Mapping Data Geographically
- Viewing Specific Values Customizing your Data
- Showing Breakdown Showing Data History

### Key Benefits

Upon the completion of this program you will be able to:

- Represent your data using various visualization types
- Apply critical thinking to visualization work
- Practice reading and interpreting charts
- Share your visualizations with others
- Make appropriate design choices
- Practice developing design concept solutions for given situations
- Explain how data visualization helps in the analysis and understanding of complex data
- Combine your visualizations into interactive dashboards and publish them to the web.

### Instructors' Profile

This program is conducted by highly qualified practitioners who have both the extended professional experience in the field and the profound academic background. All the instructors of the diploma are fully capable to combine the instructor-led training sessions, supplemented by readings, exercises and practical group work with workplace assignments, coupled with rich feedback, and ensure that the participant is able to apply the skills directly in the workplace

### Participants' Profile

This program is designed for Product Managers, Reporting Analysts, IT professionals, Business intelligence developers and users, Information workers and anyone who will be involved in the design, development and maintenance of dashboards. No prior technology or graphic design experience is necessary. An awareness of data concepts is helpful.

### Practical Information

**Location:** Regional IT Institute Premises.

**Duration:** 28 hours (4 days)

**Schedule:** Once a week on Saturdays from 10:00 to 16:00 or twice a week from 18:00 to 21:00.

**Registration Requirements:** Registration form, copy of graduation certificate, ID copy and 2 photos.

### For Information and Registration

#### Regional IT Institute

#### Professional Training Programs Office

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