COURSE SYLLABUS

Data Analytics Technologies Bootcamp

Discover the leading data analytics tools. Evaluate data in Excel. Summarize data with SQL. Create stunning data visualizations in Tableau. Acquire the skills to provide actionable insights to your team and make data-driven business decisions.

Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://www.careercenters.com/courses/data-analytics-bootcamp-nyc



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Course Outline

This package includes these courses

- Beginner Microsoft Excel (6 Hours)
- Intermediate Microsoft Excel (6 Hours)
- Advanced Microsoft Excel (6 Hours)
- SQL Level I (6 Hours)
- SQL Level II (6 Hours)
- SQL Level III (6 Hours)
- Tableau Level I (6 Hours)
- Tableau Level II (6 Hours)

Beginner Microsoft Excel

Get going with the basics of Excel and start working on projects in Excel. Get practice with calculations and formulas, charts and tables, worksheet and workbook formatting, and basic hotkeys to accelerate your workflow.

Intermediate Microsoft Excel

The intermediate Excel class focuses on more advanced functions (including VLOOKUP, COUNTIFS and SUMIFS), Sort & Filter, and Pivot Tables. You'll also learn crucial text-related features like splitting and joining text, removing duplicates, and data validation. Embedded in the course are pivotal time-saving tricks like Paste Special, keyboard shortcuts, and navigation techniques.

Advanced Microsoft Excel

Become an expert Excel user with this Advanced Excel course. Learn powerful functions like INDEX-MATCH, work with advanced Pivot Table functions, and start recording macros to automate workflows. Prepare yourself for any Excel challenge

with this advanced Excel course.

SQL Level I

- Explore information stored in a database (tables, columns, rows, etc.) using the graphical interface of SQL Server Management Studio (Microsoft's free database app)
- Write SQL queries to retrieve data from tables in a database
- Primary SQL clauses including SELECT and FROM
- Filtering the results using WHERE, AND/OR, IN, and NOT
- Wildcard filters as well as mathematical comparisons like equals, greater than, less than, etc.
- Combine information from multiple tables with inner JOINs

SQL Level II

- Learn to use Outer Joins and find NULL data
- Group data and perform common statistical calculations using Aggregate Functions
- Filter grouped data with HAVING
- Use CAST to make a data type fit your query's needs
- Work with dates and time

SQL Level III

- Use Subqueries to grab data from anywhere in a database and use that result in another query
- Query from Views instead of tables
- Add If-Else logic to queries using CASE
- Learn how to use Functions, and execute reusable Stored Procedures
- Use String Functions to get just the part of text you need

Tableau Level I

Learn the art of data visualization in this Tableau course for beginners. By the end of this course, you'll be able to craft compelling stories by importing, computing, and manipulating data to create powerful data visualizations.

Tableau Level II

Master all things charts and maps in this advanced Tableau course for experienced users. You'll learn how to create maps, make dual axis charts, and use techniques to show changes in data over time. After taking this course, you'll be able to create a variety of charts and maps for different types of data.