



Data Science Brochure





INTRODUCTION

Having the right technical skills was enough to perform excellently on your job in the past but today, employers are looking for analysts who have both technical qualifications and the business acumen needed to effectively solve business problems and provide solutions. In this bootcamp, we'll help you master the most important tools required in the data analytics field and teach you the strategic thinking required to become a successful analyst. This training does not require any prior programming or statistical skills and is suitable for learners with or without college degrees. All you need to get started is basic computer literacy, high school math, comfort working with numbers, willingness to learn, and a desire to enrich your profile with valuable skills. This is a live training anchored by certified and experienced analysts. This course simplifies complex concepts and break down the ambiguity of analyzing big data with the industry recognized tools. These tools enable participants to get their hands into the most useful visualization tools and manipulate data as it done in the real world.

HOW IT WORKS

Curriculum

We'll make you master the fundamental business statistical concepts, analytics and visualization using tools like Excel, SQL, PowerBI, Python and Tableau.

Team Building

We'll add you to the Data Science Telegram group where we have past and present students who are ready to guide you through the learning curve as you take your training. You'll also have the privilege to meet people of like minds and complete both your group work and projects as a team.



PROJECTS

You will be given assignments and projects based on real world business scenarios and be able to solve real business problems. This will help you create projects and build your own portfolio.

Program Features

This is a Virtual Instructor-Led Training with access to industry-based course-end projects

Delivery Mode

100% Instructor-led live virtual classroom

Prerequisites

You need a laptop to get the most out of this training

What You'll Learn in this Bootcamp

- Introduction to Data Analytics
- Excel Analytics
- SQL
- Data Visualization (Tableau)
- Python



DURATION OF THIS TRAINING

This training is scheduled to last for 12 weeks spanning through 12 weekends. You'll learn different software in every session, and you'll build a project at the end of the program.

WHY SHOULD YOU JOIN THIS TRAINING?

The Data Analytics training equips candidates with the knowledge, techniques, and models to transform data into usable insights for making business decisions.

WHO SHOULD ATTEND THIS TRAINING?

Anyone involved in Business Management, Business Operations, Project Management, Business Analysis, Retail Business, Health Analytics, Marketing Analytics and Sales Analytics. If you are also looking to start a career in Data Analytics, this is for you.



LEARNING OBJECTIVES

- Practical applications of data analysis across business
- Data visualization and effective presentation of data
- analysis results
- Using the array of data plots and chart formats to analyze
- underlying data trends and patterns through practical
- exercises
- Application of data for practical use: Reporting,
- Dashboards, Metrics, Quality, Financial Modeling and
- more
- Forecasting future results, finding opportunities for
- process improvement, and analyzing past performance

WHAT YOU'LL BENEFIT

- Upon successful completion of this training, you'll have analyzed real-world datasets, created interactive dashboards, and presented reports to share your findings, giving you the confidence and the portfolio to begin a career as an associate or junior data analyst.



COURSE AGENDA

Skills you'll get in this Bootcamp

- **Excel Analytics** - Here you'll learn what Excel is and how it is used to analyze data. You'll learn Advanced Excel like Regression and Optimization Analysis to see how companies use statistical models to make business decisions.
- **SQL** - You'll learn how to install the software and how to run queries. You'll also learn how to join multiple tables and run queries with granularity
- **Tableau** - You'll learn how to tell data stories with visuals and make data driven decisions
- **Python** - You'll learn how to analyze big data using different lines of codes.



Module I: Introduction to Data Analytics

We'll start with the introduction to Data Analytics and what it's all about. This is spread across 4 weeks where you learn Excel from beginner to advanced.

You'll learn

- The Data Analysis process
- Data Types and the various use cases
- Different industries you can work as a data analyst
- How to ask data driven questions
- Basic Functions of Excel
- Charts & Graphs
- Conditional Formatting
- Pivot Tables
- The IF Statements
- Excel Formulas
- Regression & Optimization Analysis



Module 2 - Introduction to SQL

You'll learn SQL from scratch in this session. You'll learn how to create tables and also how to import tables into the software. You will also be building databases and inserting values in the databases. This is spread across 3 weeks.

Below are the highlights of this session.

- Introduction to SQL
- Creating your first database
- Importing external data into the software.
- Various SQL commands and operators
- How to download data from SQL to Excel



Module 3 - Python Programming

We'll start this module by helping you get Python installed on your computer, regardless of your operating system, whether its Linux, MacOS, or Windows, we've got you covered. This is spread over 3 weeks to cover all the topics.

What you'll learn

- Command Line Basics
- Installing Python
- Running Python Code, Strings, Lists, Dictionaries
- Tuples
- Sets
- Number Data Types
- Print Formatting
- Functions
- Scope



Module 4 - Introduction to Tableau

Tableau is one of the most popular business intelligence tools in the business world today because of its amazing features and usability. You'll be learning tableau from the scratch and building a dashboard at the end of the training. Below are the highlights of this session. [This is spread over 2 weeks.](#)

What you'll learn

- Examine the purpose of data visualization and the use of tools such as Tableau
- Explore the data visualization process and consider different types of data
- Connecting to Data
- Joins & Unions
- Dimensions & Measures
- The Show Me Panel



Module 5 - Project & Group Presentation

We will conclude the training with group projects.

You'll be shared into groups during the training and you'll build your group project at the end of the training.

This will help you learn how to work collaboratively with other people with a common goal.

You'll create your GitHub account where you'll save all your projects to share with recruiter when they ask what projects you've done before. Each group will present to the entire class on the last day of the training.

I bet you are excited about this.



We will solve some real life business problems in this session.

*****Other materials will be shared with you during the training*****

**For questions, please send a mail to
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