

Data Analyst

Instructor

Carolina Softech

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Class Delivery

In person / Online

Course Duration:

12 Weeks

Course Overview

Data Analyst

Data Analyst is a process of inspecting, cleaning, transforming and modeling data to discover useful information and support decision making to achieve business goals. There are various data analysis qualitative and quantitative methods and analytical or statistical tools used to extract the useful information and translate them into insights to make better business decisions, most of which are covered in this program.

Course Summary

Data Analyst

Course 1- Introduction to Data Analytics

Data Analytics for beginners' course will give you insights into how to apply data and analytics principles in your business. Learning analytics, data visualization, and data science methodologies through this course will make you capable of driving better business decisions and ROI.

Course 2- Data Analytics with Excel

Course includes Microsoft® Excel skills, also includes training on Power BI. These two commonly used tools.

Course 3- Programming Basics and Data Analytics with Python

Learn how to perform Data Analytics with Python using multi-dimensional arrays in NumPy, manipulate Data Frames in pandas. This Data Analytics course will take you from the basics of Python to exploring many different types of data. You will learn how to prepare data for analysis, perform simple statistical analyses, create meaningful data visualizations, predict future trends from data, and more.

Course 4 - Power BI

Power BI is a world-wide utilized data visualization, reporting, and business intelligence tool. This course trains you to use the tool effectively for preparing data,

creating interactive dashboards, adding different dimensions, and drilling into outliers.

Course 5

Introduction to SQL

Working with Queries (DDL, DML, DQL)

Aggregate Functions

Joins and Set Operations

Implementation of Data integrity

Working with Constraints

Implementing Views

Working with Indexes

Working with Stored Procedures and Functions

Projects

>Web Scraping Projects to extract data from Websites

>Exploratory Data Analysis Projects

>Data Visualization Project

Languages	SQL
Languages	Python
Tools	Power BI, Excel
Concepts	Data reprocessing
Concepts	Data Modeling
Concepts	Data sets
Concepts	Statistics - Basics
Concepts	Deployment
Concepts	BA Concepts

Course Schedule

Week	Days	Time / In person / online
Week 1 – 12	Monday / Thursday	In person - 6:30 -8:30 pm
Week 1 - 12	Tuesday	Online - 6:30 – 9:00 pm

Workshops

Week	Subject
Week 7 Saturday (8:30am - 12:30pm (4hrs)	Agile Workshop (In Person)
Week 4 Wednesday (2hrs)	SDLC Workshop (Online)
Week 5 or 6 Tuesday (2hrs)	Project Initiation (Online)

Note: Dates on Workshops are estimated and are subject to change.

Additional Information

This is an interactive course. Students will learn by doing and also learning from each other as well as the instructor, text, guest lecturers, presentations, weekly