

DATA ANALYTICS AND SQL

IT TRAINING HANDS-ON | BY SCARSTACK SOLUTION IT TRAINING

[HTTPS://SCARSTACKSOLUTION.COM](https://scarstacksolution.com)

Data Analytics and SQL Track

Training Cost: \$1,200 | Duration: 10 Weeks

The Data Analytics Training enables you to master SQL, Python, Matplotlib, Pandas, Numpy, Seaborn, Extract Transform Load (ETL), SSIS Packages, Stored Procedures and Cloud Databases including advanced data visualization and reporting techniques using Tableau, Crystal Reports, Excel, Jupiter Notebooks and Microsoft Power BI.

• **CERTIFICATION YOU'LL EARN:**
IBM Data Analyst Professional Certificate

Top 10 Paying companies for this Role:

1. Google: \$140,848/yr.
2. Intel: \$134,795/yr.
3. ServiceNow: \$120,715/yr.
4. JohnDeere: \$116,652/yr.
5. Pacific Life: \$113,983/yr.
6. Amazon: \$113,792/yr.
7. U.S Bank: \$112,442/yr.
8. Wayfair: \$110,436/yr.
9. Principal Financial Group: \$107,081/yr.
10. Assurant: \$106,748/yr.

Why Become A Data Analyst (Analytics)?

McKinsey and Forbes report that data analytics has emerged as a prominent career choice in the technology and business sectors. Their forecast suggests that by 2025, organizations in various industries will adopt a data-driven culture, empowering employees to optimize their tasks through data-driven insights. Data Analysts sift through extensive datasets, extracting insights to unveil fresh market prospects and enhance operational efficiency.

How Much Do Data Analysts Earn?

Data Analysts earn an average of between \$80,000 - \$126,000 per annum.

[Glassdoor Salary Confirmation](#)

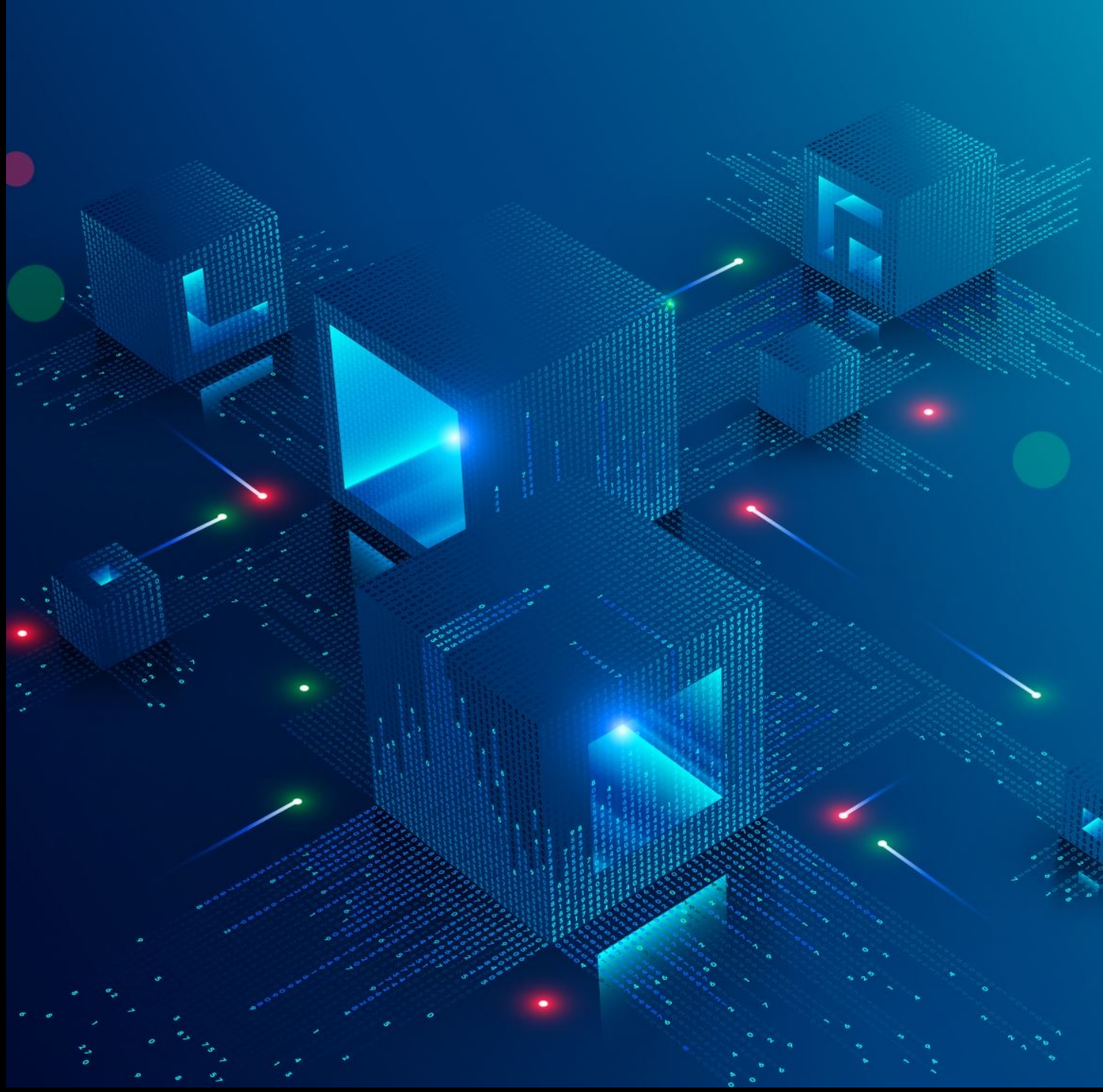
What You'll Gain From This Training:

1. Practical hands-on approach through each class of the training.
2. Materials & training to earn the cloud architect certification.
3. Hands-on lab assessments to assess your skills for each class.
4. Weekly homework assignments to keep you continuously engaged.
5. Free resume building offered after training completion.
6. One-on-one mentorship to address any specific challenges.
7. Free mock interview preparations to get candidates prepared for interviews.



TOOLS & APPLICATIONS UTILIZED

- Azure Data Factory
- Azure Data Studio
- Visual Studio Code
- Power BI
- Python
- Tableau
- Jupyter Notebook
- Crystal Reports
- Microsoft Excel
- Microsoft Azure Portal



TRAINING MODULES

Data Analysis and Python Basics

Manipulating Data with Python

Visualizing Data with Python

SQL Fundamentals with T-SQL

Advanced SQL & Database Concepts

Introduction to ETL and SSIS

Data Visualization with Power BI & Tableau

Data Reporting with Excel & Crystal Reports

Cloud Databases with Azure Cloud

DATA ANALYSIS & PYTHON BASICS



Introduction to Data Analysis



The Data Analyst Role



Data Types, Data sources and
Data collection

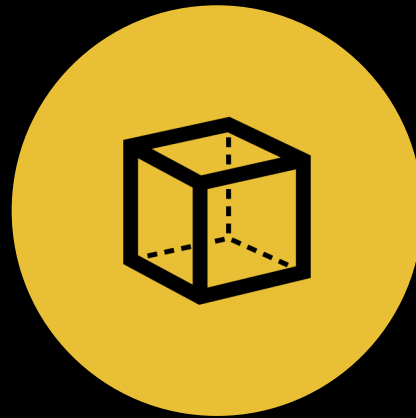


Python for Data Analysis

MANIPULATING DATA WITH PYTHON



PANDAS



NUMPY



SCIPY

VISUALIZING DATA WITH PYTHON



SQL FUNDAMENTALS WITH T-SQL

- Relational Databases and SQL
- Database Design and Process
- Entity Relationship Model (ERM)
- SQL queries (SELECT, JOIN, GROUP BY)
- Indexing and Query optimization

ADVANCED SQL & DATABASE CONCEPTS



DATA MODIFICATION
LANGUAGE (INSERT,
UPDATE, DELETE)



DATA DEFINITION
LANGUAGE (CREATE,
ALTER, DROP)



DATA AGGREGATION
AND SUBQUERIES



STORED PROCEDURES
AND FUNCTIONS

INTRODUCTION TO ETL AND SSIS

Introduction to
Extract
Transform Load
(ETL)

Building SSIS
Packages

Data Sources,
Transformation
& Destinations

DATA VISUALIZATION WITH POWER BI & TABLEAU

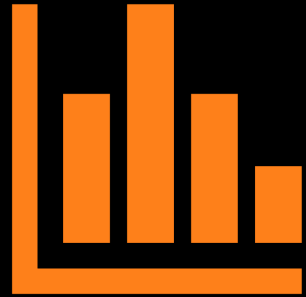


Introduction to Power BI
(Creating Reports,
Dashboards)

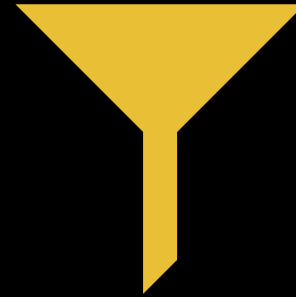


Introduction to Tableau
(Creating Visualizations)

DATA REPORTING WITH EXCEL & CRYSTAL REPORTS



Data Reporting and Analysis
With Excel



Customizing & Reporting with
Crystal Reports

CLOUD DATABASES WITH AZURE CLOUD

- Introduction to Azure Cloud Database
- NoSQL Databases with Azure Cosmos DB
- Deploy and Manage Databases and SQL Servers in Azure Cloud

