Syntax
ACADEMY

THE FUTURE IS ALL ABOUT **DATA** AND ITS **ANALYSIS**

Data Analytics and Business Intelligence Training

Our Data Analytics course with Business Intelligence training provides students with the remarkable opportunity to evolve as experts in the field and consequently, enter one of the most sought after domains of the tech industry.

Data Analyst course duration is 3 and a half months. During this period, students will learn all technical skills required to be **successful Data/Business analysts** with an industry recognized data analytics degree. All the required technical skills – **SQL, Python, Power BI, Tableau, ETL** – are combined in one package – helping students excel at data-driven decision making in business.

As part of the non-technical data analytics classes training, students will learn how to present compelling reports to the target business audience. Technical part of the business intelligence online training has four parts: **first, students learn SQL (database). Next, they learn about data visualization tools including Tableau and Power BI.**

DA101 *(Beginner)*

Basic to Advanced SQL to Manipulate Data

Lessons

Basics of SQL and Database Management, Simple Queries and Data Retrieval, Filtering and Sorting Data, Aggregating Data with GROUP BY, Joining Tables for Advanced Queries, Data Integrity and Constraints, Introduction to Indexing, Data Migration Techniques, Practical Applications of SQL in Roles.

Immediate Benefits

> Foundational knowledge of SQL, ability to formulate queries, understand data integrity, and practical applications in various roles.

Potential Career Paths

> **Database Administrator:**
  Avg Sal – $60k – $90k
> **SQL Developer:**
  Avg Sal – $70k – $100k
> **Data Analyst:**
  Avg Sal – $55k – $85k

DA102 *(Intermediate)*

Data Visualization on Microsoft Power BI

Lessons

Power BI Overview and Interface, Data Connection and Transformation in Power BI, Building Basic Visualizations, Creating Interactive Dashboards, Advanced Visualizations in Power BI, Power BI Query Editor Techniques, Data Cleaning and Transformation in Power BI, Implementing Filters and Slicers, Hierarchies and Drill-Downs in Power BI, Power BI Sharing and Collaboration.

Immediate Benefits

> Power BI overview, data connection, visualization, interactive dashboards, and collaboration.

Potential Career Paths

> **Business Intelligence Analyst:**
  Avg Sal – $65k – $95k
> **Data Visualization Specialist:**
  Avg Sal – $60k – $90k

DA103 *(Intermediate)*

The Art of Storytelling using Data on Tableau

Lessons

Introduction to Tableau and its Applications, Connecting Data to Tableau, Basic Visualizations in Tableau, Advanced Dashboard Design in Tableau, Storytelling Techniques with Tableau, Data Cleaning and Preparation in Tableau, Customizing Tableau Dashboards, Interactive Features in Tableau, Tableau Best Practices, Collaborative Data Storytelling.

Immediate Benefits

> Tableau introduction, data connection, visualization, storytelling, and collaboration.

Potential Career Paths

> **Tableau Consultant:**
  Avg Sal – $70k – $100k
> **Business Intelligence Developer:**
  Avg Sal – $70k – $100k

DA104

BI Capstone Project

Lessons

Overview of Capstone Project, Project Planning and Data Exploration, Report and Dashboard Creation, Iterative Feedback and Refinement, Final Presentation and Documentation.

Immediate Benefits

> Capstone project overview, planning, report creation, and final presentation.

Potential Career Paths

> **Business Intelligence Project Manager:**
> Avg Sal – $85k – $120k

> **Data Consultant:**
> Avg Sal – $75k – $110k

DA105 *(Advanced)*

Data Analysis with Python

Lessons

Introduction to Python for Data Analysis, Advanced Python Programming Constructs, NumPy and Pandas for Data Manipulation, Data Visualization with Matplotlib, Machine Learning Basics with SciKit-Learn, Advanced Data Cleaning Techniques, Statistical Analysis with Python, Real-world Applications of Python in Data Science.

Immediate Benefits

> Python for data analysis, advanced programming, visualization and machine learning.

Potential Career Paths

> **Python Developer:**
> Avg Sal – $70k – $120k

> **Data Scientist:**
> Avg Sal – $85k – $120k

> **Machine Learning Engineer:**
> Avg Sal – $100k – $150k

DA106 *(Advanced)*

Data Engineering with SSIS

Lessons

ETL Processes and Principles, SSIS Components and Development, Advanced Data Transformation Techniques, SSIS Package Deployment and Execution, Managing Data Warehouses with SSIS, Troubleshooting and Optimization in SSIS, Automation and Schedule in SSIS, Real-world Applications of SSIS in Data Engineering.

Immediate Benefits

> ETL processes, SSIS development, data transformation, and automation.

Potential Career Paths

> **Data Engineer:**
> Avg Sal – $90k – $130k

> **ETL Developer:**
> Avg Sal – $80k – $115k

DA107

SQL Developer and T–SQL Mastery

Lessons

Overview of Oracle SQL Developer, Advanced SQL Querying in Oracle, Introduction to T-SQL in SQL Server Management Studio, Advanced T-SQL Techniques, Cross-Platform SQL Database Management, Best Practices in SQL Development.

Immediate Benefits

> Oracle SQL Developer, advanced SQL querying, T-SQL introduction, and best practices.

Potential Career Paths

> **SQL Developer**
> Avg Sal – $70k – $10k

> **Database Administrator:**
> Avg Sal – $xxk – $xxk

DA108 *(Review)*

Advanced Data Visualization with Power BI

Lessons

Review of Power BI Fundamentals, Advanced Power BI Techniques, Power BI Data Modeling and DAX Functions.

Immediate Benefits Review of Power BI fundamentals and advanced techniques.

DA109 *(Review)*

Advanced Storytelling with Data on Tableau

Lessons

Review of Tableau Basics, Advanced Tableau Storytelling Techniques, Integrating Tableau with Other BI Tools.

Immediate Benefits Review of Tableau basics and advanced storytelling techniques.

DA110 *(Review)*

Advanced Data Analysis with Python

Lessons

Review of Python Fundamentals, Advanced Python Data Analysis Techniques, Integration of Python with BI Tools.

Immediate Benefits Benefits: Review of Python fundamentals and advanced data analysis techniques.

DA111 *(Review)*

Advanced Data Engineering with SSIS

Lessons

Review of SSIS Fundamentals, Advanced SSIS Development and Optimization, Integration of SSIS with Other Data Engineering Tools.

Immediate Benefits Review of SSIS fundamentals and advanced development.

DA112

Final Project and Certification

Lessons

Final Project Overview and Guidelines, Project Development and Implementation, Project Presentation and Evaluation, Certification and Next Steps in Data Analysis and Engineering.

Immediate Benefits Final project overview, development, presentation, and certification guidance.
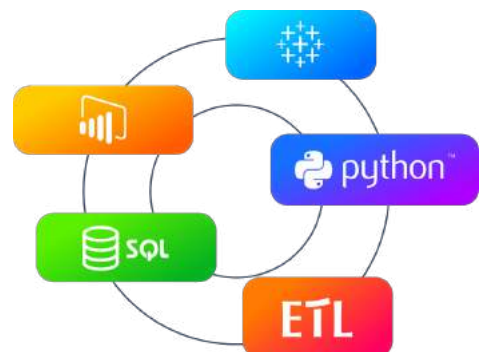
COURSE RECAP ≫≫

Data Analytics and Business Intelligence Training

Potential Career Paths

> Database Administrator   > SQL Developer

> Data Analyst   > Business Intelligence Analyst

> Data Visualization Specialist   > Tableau Consultant

> Business Intelligence Developer   > Python Developer

> Data Scientist   > Machine Learning Engineer

> Data Engineer   > ETL Developer

> Business Intelligence Project Manager

> Data Consultant

Average Salaries

> Salary ranges provided for each potential career path based on the skills acquired in the respective modules.