



DATA ANALYTICS COURSE

ONLINE / OFFLINE TRAINING



CAREER IN DATA ANALYTICS



Why Build Your Career in Data Analytics?



Demand for Data Analysts in Skyrocketing

There is a growing need and massive demand for skilled data analysts who can analyse, interpret, and communicate data effectively.



Wide Range of Job Roles

By learning data analytics, you can get a wide range of job opportunities, like Data Analyst, Business Analyst, Data Engineer, Big Data Analyst, and more.



High Salary Packages & Lucrative Career

The average salary of a data analyst in India is INR 6 LPA, which can go beyond INR 15 LPA with relevant experience and the right set of skills.



Impactful Career

Data analytics enables professionals to analyse complex data and provide insights that drive business decisions, improve products and services, and create positive change.



Fastest-Growing and Emerging Field

Data Analytics is among the fastest-growing fields. It has cropped up the market too quickly and dramatically increased the demand for skilled professionals.



Flexibility

Data analytics jobs offer flexibility in terms of work hours, remote work, and project-based work, providing professionals with greater control over their work-life balance.

Who Can Learn Data Analytics?

Learning Data Analytics becomes easier for you with proper guidance & advanced practical projects by Edureka Panvel expert trainers. You can acquire this skill if you are:



College Student

Start shaping your career right from college time by learning in-demand data analytics skills.



Graduate

Time for you to upskill, prepare yourself for a bright future, and kickstart a thriving career in data analysis.



Business Professionals

Executives, managers, and other business professionals who need to make data-driven decisions.



IT Professionals

Developers, database administrators, and other IT professionals who need to work with data.



Marketing Professionals

Marketing analysts, digital marketers, and other marketing professionals who need to measure the effectiveness of their campaigns.



Financial Professionals

Financial analysts, accountants, and other financial professionals who need to analyse financial data.

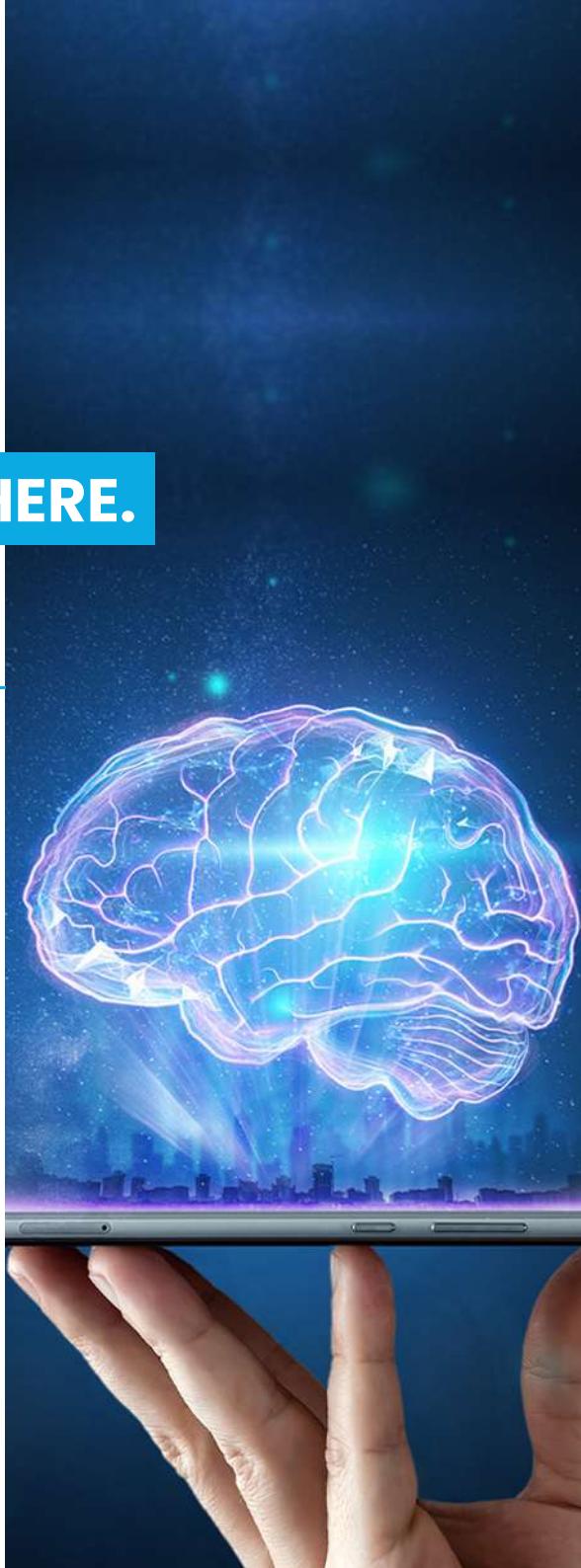


Anyone Interested in Working With Data

Anyone interested in data and who wants to learn how to analyse it can benefit from learning data analytics.

THE FUTURE IS HERE.

LEARN
DATA ANALYTICS
WITH **EDUREKA PANVEL**
TO EXCEL IN YOUR
CAREER!





Trusted by 20,000+ Learners

We are the #1 preference of more than 20000 learners in Raigad, Khopoli Mumbai & Pune. Our training quality and support system intrigue learners.



Placement Assistance

We provide job assistance to help you get hired faster. We work with you to find the right job opportunities based on your skills & preferences.



Completely Practical-Oriented

Data Analytics is a skill that requires immense practice. For that, we offer 100% practical training with regular assignments, assessments, and projects.



Hands-on 20+ Projects

You will work on 20+ real-world projects that are relevant to the industry. This practical training helps you prepare for real-life scenarios and gain exposure.



Data Analytics Certification

We provide you with an industry-recognized certificate. It adds value to your resume and enhances your credibility, making you stand out from the crowd.



Dedicated Doubt Sessions

We understand that every student has unique learning needs. That's why we offer dedicated sessions to clear your doubts, ask queries and get answers.



Interactive Live Training

We conduct live training where you interact with experts in real-time and learn from their expertise. Our approach ensures that you get the best learning experience.



Expert Trainers

Our trainers have years of experience in the field and are committed to helping you achieve your career goals. We mentor you throughout the course.



DATA ANALYTICS COURSE SYLLABUS

Based on Latest Industry Standards

Course Curriculum

Part- I: Python Programming

Python Introduction

- What is a programming language?
- Python interpreter
- Python versions
- Advantages of Python language
- Uses & applications of Python in different domains
- Installation of Anaconda
- Different ways to run Python code
- Write your first Python program
- Multiline Print Statement and Comments in Python

Python Variables, Data types, and Operators

- Variables
- Data Types
- User-Input
- Operators

Python Control Statements

- Introduction to Conditional statement
- Types

Introduction to Loops

- Types of Loops
- For Loop
- While Loop
- Loops with a conditional statement
- Infinite Loop
- Nested Loop
- Break and continue statement

Python Strings

- Introduction to strings in Python
- Indexing
- Slicing
- Iteration
- String functions

Python Lists

- Introduction to lists
- Iteration
- Slicing
- List Functions

Python Sets

- Introduction to sets
- Iterations
- Set methods

Python Tuples

- Introduction to tuples
- Iterations
- Function
- Making tuples mutable

Python Dictionary

- Creation of Dictionaries
- Iterations
- Dictionary Functions
- Nested Dictionaries

Mini Projects

- 3 Projects on Python

Course Curriculum

Part- II: Data Science Libraries

Data Analysis with Pandas

- Introduction to Jupyter Notebook
- Installing Jupyter Notebook
- How to use Jupyter Notebook?
- Introduction to Pandas
- Installing Pandas
- Pandas Series
- Coding: Pandas Series
- DataFrames I- Working with Columns
- Pandas DataFrames- Working with Rows and Columns
- Pandas DataFrames: Filtering Data
- Coding: Filtering Data
- Reading and Analysing CSV Files with Pandas
- Coding: Reading and Analysing CSV Files
- Reading Excel Files: GroupBy and Other Useful Operations
- Working with Missing Data
- Coding: Working with Missing Data
- Test Your Knowledge: Pandas

NumPy

- Introduction to NumPy
- 1-D Array
- 2-D Array
- Indexing
- slicing
- Concatenating
- Broadcasting
- Statistical functions
- Arithmetic functions

Data Visualization Using Matplotlib

- Introduction to Python Visualization Libraries
- Installing Matplotlib

- Creating Scatter Plots
- Creating Line Charts
- Line Charts
- Creating Basic Bar Charts
- Creating Grouped and Stacked Bar Charts
- Creating Pie Charts
- Pie Charts

Data Visualization Using Seaborn

- Introduction to Python Visualization Libraries
- Installing Seaborn
- Creating Scatter Plots
- Creating Line Charts
- Line Charts

Projects on Data-Visualization

- Projects

Part- III: Power BI

Power BI

- Introduction to Power BI
- Power BI Dashboard
- Connectors

Table Transformations

- Basic Transformations in Power BI
- Format Tool
- Dealing with text tools
- Dealing with Numerical Tools
- Create a Table Using Power BI
- Dealing with Date and Time
- Pivoting and Unpivoting of data
- Adding Conditional Columns

Course Curriculum

Data-Modelling

- Merge queries and Append queries
- Data model and importance of Data Modeling
- Manage Data Relationships
- Editing a Relationship
- Cardinality and Cross-Filter Direction

DAX-Functions

- Introduction to DAX
- Importance of DAX in Power BI
- DAX Expressions
- Steps to Create Calculated Columns in DAX
- Creation of Measures in Power BI and its types
- Understanding DAX syntax in Power BI
- DAX Functions in Power BI
- Date and Time Functions
- Text Functions Using DAX
- Logical Functions Using DAX
- DAX Operators

Dashboard Creation

- Introduction to Visuals in Power BI
- Visualisation charts in Power BI
- Filtering Options
- Exploring Matrix Visuals
- Filtering Data with Slicers
- Number Cards and Text Cards
- KPI Visuals
- Modifying Colours in Charts And Visuals
- Visualizing Data with Maps
- Tree Map
- Bookmarks and Buttons
- Custom Power
- Designing for Phone vs Desktop Report Viewers

Artificial Intelligence (AI) Visuals

- Introduction to AI visuals
- Working with AI visuals
- Analyse data with AI visuals

Projects

Part- IV: SQL

SQL Basics

- Introduction to SQL
- Installation
- Data Types in MySQL
- Creation of a Database
- Tables
- Insert query
- Select Query
- Delete query
- Update query

Advanced SQL

- Joins in Database
- Functions in Database
- Advance concepts in DataBase



Course Curriculum

Part- V: Advanced Excel

Using Excel for Data Analysis

- Introduction to MS Excel
- Basic Functions of Excel
- Sorting Data
- Filtering Data
- Basics of Formula/Functions
- If Functions and text Functions
- Date & Time Formula
- COUNTIF, COUNTIFS, SUMIF, SUMIFS
- Lookup and Information Functions
- Using Conditional Formatting
- Macros
- Summarising Data with Pivot Tables
- Working with Slicers
- Power Pivot / Power Query
- Charts
- Excel For Data Analytics
- Data Visualization with Excel
- Excel Dashboard

Projects



Course Curriculum

Part- VI : Tableau

INTRODUCTION to TABLEAU

- BI Concepts
- What is TABLEAU? Why Data Visualization?
- Unique Features compared to Traditional
- BI Tools
- TABLEAU Overview & Architecture
- File Types & Extensions

TABLEAU PRODUCTS

- DESKTOP
- SERVER
- PUBLISHER
- PUBLIC
- READER

DATA CONNECTIONS IN TABLEAU INTERFACE

- Data Connections in the Tableau Interface
- Connecting to Tableau Data Server
- Types of Join
- When to Use Joining
- What is Data Blending
- When to Use Data Blending
- Joining vs. Blending
- Creating Data Extracts in Tableau
- Establishing a Connection and Creating an Extract

ORGANIZING AND SIMPLIFYING DATA

- Filters. Applying Filters
- Quick Filters
- Sorting of Data
- Creating Combined Fields
- Creating Groups and Defining Aliases
- Working with Sets and Combined Sets
- Drill to Other Levels in a Hierarchy
- Grand totals and Subtotals
- Tableau Bins
- Fixed Sized Bins
- Variable Sized Bins
- Creating and using Parameters
- Exploring Parameter Controls
- Using parameters for titles, field selections, logic statements, Top X
- Cross Tabs [Pivot Tables]
- Page Trials
- Total and Sub-Total
- Dual Axis / Multiple Measures

Tableau Charts

- Area Chart
- Bar Chart
- Box Plot
- Bubble Chart
- Bump Chart
- Bullet Graph
- Circle Views
- Dual Combination Chart
- Dual Lines Chart
- Funnel Chart

Course Curriculum

- Traditional Funnel Charts
- Gantt Chart
- Grouped Bar or Side by Side Bars Chart
- Heatmap
- Highlight Table
- Histogram
- Cumulative Histogram
- Line Chart
- Lollipop Chart
- Pareto Chart
- Pie Chart
- Scatter Plot
- Stacked Bar Chart
- Text Label
- Tree Map
- Word Cloud
- Waterfall Chart

CALCULATIONS

- Working with Strings, Date and Arithmetic Calculations
- Working with Aggregation Options
- Working with Quick Table Calculations
- Custom Calculated Fields
- Logic and Conditional Calculations
- Conditional Filters
- Advanced Table Calculations
- Understanding Scope and Direction
- Calculate on Results of Table Calculations
- Complex Calculations

Tableau Dashboards

- Create a Dashboard
- Format Dashboard Layout
- Create a Device Preview of a Dashboard
- Create Filters on Dashboard
- Dashboard Objects
- Create a Story



Job/Placement Assistance

Once you complete the Data Analytics Course, you will get placement assistance to get job-ready. We will evaluate your skills, prepare you for the interview, and arrange interviews with top companies.

- **Interview Preparation and Practice**
- **Appealing Resume Building**
- **Conducting Interviews at Various Companies**
- **Projects, Assignments, and Quizzes**

Renowned Companies Ready To Hire Startups, and Brands



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