

Data Science with Python — Build Your Foundation in 3 Days



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Stop depending on others to interpret your data. Start working with data like a professional who understands the full pipeline. This intensive 3-day programme equips you with practical data science and Python analytics skills to help you prepare datasets, run meaningful analyses, build compelling visualisations, and **contribute more confidently to data-driven decisions.**

Master the data workflow. Analyse with confidence. Communicate insights that matter. — 100% HRDF Claimable.

Who Should Attend

Software engineers, computer science engineers, data analysts, developers, and working professionals who want a practical entry point into data science and stronger confidence working with data for business decisions and reporting.

Why Sign Up

Data fluency is a career-defining skill. Build statistical thinking, data preparation capability, and visual communication in one programme — without needing any prior data science experience.

What You Will Learn

- 1

Introduction to Data Science
The data science process and communicating to stakeholders. Understand how data science creates business value and how insights must be translated for decision-makers.
- 2

Linear Algebra
Vectors, linear combinations, transformations and matrices. Build the mathematical intuition needed for analytics and machine learning concepts.
- 3

Practical Statistics
Measures of centre, variance, probability, Bayes rule, normal distribution, sampling, confidence intervals and hypothesis testing. Interpret data and evidence more rigorously.
- 4

Data Engineering
ETL, extracting data from files and SQL sources, cleaning, encoding, handling missing values, outliers, scaling, feature engineering and loading. Prepare cleaner, more useful datasets.
- 5

Database Programming
Database-related programming concepts used in data workflows. Work more effectively with structured data environments.
- 6

Data Preparation & Wrangling
Preparing and reshaping data for analysis. Improve data quality and reduce time lost to messy datasets.
- 7

Data Visualisation
Visual design, univariate, bivariate and multivariate analysis, charts, plots, heat maps, box plots, faceting, explanatory visuals and case study application. Present insights clearly and spot patterns faster.

Practical & Hands-On
Real-world Python tools covering the full data workflow — from raw data to actionable insight.

No Prior Experience Needed
Designed for professionals at the start of their data science journey. Level: Basic. Pre-requisite: None.

Immediate Work Value
Apply Python analytics, statistics, and visualisation techniques directly to your role and business reporting.

Leave with a clearer data science framework, stronger statistical thinking, hands-on Python skills, and the ability to prepare and present data confidently — standing out as more analytically capable, insight-driven, and commercially valuable professionals.



Ready to build your data science foundation with confidence, clarity, and practical Python skills? Enroll your team in this high-impact 3-day programme and turn raw data into better decisions.

Inhouse and public run options available. Contact us for pricing and scheduling.
Pre-register to secure your seat today.

Contact us email azli.ismail@eliteindigo.com or **WhatsApp 6012 705 5594 (Aisha)** or visit www.kredenzaadigital.com/eliteindigoprogram