

No-Code Data Analytics Bootcamp

Introduction

This course introduces data analytics fundamentals for domain experts looking to drive business impact through data-driven decisions. Key topics include descriptive statistics, data cleaning and analysis in Excel, and advanced visualisation with Power BI. Participants will also explore data readiness, business alignment, responsible data management practices, and GDPR compliance.

With hands-on exercises and a focus on practical application, this program equips professionals to align analytics initiatives with business goals and deliver actionable insights.

Course Structure

#	Module Title	Description
1	Introduction to Data Analytics	Gain foundational knowledge of data analytics, including roles, Big Data, the Data Analytics Life Cycle, and tools, to understand how data drives decision-making and innovation.
2	Data Maturity and Business Alignment	Assess organisational readiness for data-driven transformation, explore key enablers of a data-driven culture, and align high-impact initiatives with strategic goals using a practical readiness tool.
3	Power BI Fundamentals	Learn to create impactful data visualisations, prepare data, build dashboards, and develop interactive Power BI reports without coding expertise.
4	Descriptive Statistics	Master data summarisation and interpretation techniques, focusing on central tendency and dispersion measures, with practical hands-on activities using spreadsheets.
5	Introduction to Probability	Understand probability rules and distributions and their role in data analysis, and apply concepts through hands-on spreadsheet activities, quizzes, and practical challenges.
6	Data Mapping and Readiness	Learn to map data sources using a data inventory to assess data readiness and identify opportunities to optimise data for analytics and decision-making.
7	Data Preprocessing & Cleaning	Develop essential skills to clean, transform, and prepare raw data for analysis using tools like Spreadsheets and Power BI, ensuring high-quality datasets.
8	Understanding Data through Statistical Inference	Learn to draw meaningful conclusions from data using statistical inference, parametric and non-parametric tests, with hands-on spreadsheet applications and challenges.
9	Data Visualisation Fundamentals & Techniques	Advance your data visualisation skills in Power BI with a focus on DAX, data cleaning workflows, and creating dynamic reports and dashboards.
10	Introduction to Database and SQL	Learn the fundamentals of databases and SQL to query, manage, and analyse data, including filtering, sorting, joins, and relational modelling with hands-on practice.
11	Data Ethics, Legislation, and Compliance	Understand data privacy, security, ethics, and legal frameworks like GDPR, and learn responsible data management focusing on societal and organisational implications.

Learning Outcomes

- Understand the fundamentals of data analytics; including Big Data, the Data Analytics Life Cycle, and the distinction between related fields
- Understand organisational readiness for a data-driven culture
- Learn how to prioritise initiatives, aligning them to business needs in a measurable manner
- Apply descriptive statistics and probability for data analysis, manipulation, and insights generation
- Use key tools like Power BI, SQL, and spreadsheets to clean, visualise, and analyse data
- Implement advanced data visualisation techniques to interpret and communicate insights
- Understand legal, ethical, and compliance standards in data handling and develop essential skills for a data analyst role

Study Options

Specifications	Day Release
Course Start	21st, 22nd, 23rd, and 24th January (four cohorts starting in January)
Course Duration	10 Weeks
Course Time	124 hours
Weekly Schedule	8 hours: Instructor-led study one workday per week 2 hours: Instructor-led study one evening per week 2 hours: self-study
Delivery	Live remote
Assessment	Project
Qualification	Code Institute Certificate in Data Analytics for Professionals
Student Supports	Live Instructor, Student Care
Required Knowledge	None
Price	£3,500
Funded Price	£350 (for companies with <250 staff) £1,050 (for companies with <250 staff)

For more information:

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