PeopleCert Data Science: Data Analyst

OEM: PeopleCert • Code: PC-DS-ANLYST

COURSE DESCRIPTION

Advance your Data Science skills and master techniques to turn data into insights. Gain proficiency in advanced analytics, machine learning, and business intelligence for complex business challenges.

AUDIENCE PROFILE

- Suitable for: Data and technology professionals
- Popular among professionals who have advanced to roles such as: Software Developer, Data Scientist, Data Analyst, Data Engineer, Business Analyst, Big Data Developer, Database Administration

PREREQUISITES

- No prior knowledge or experience is required.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- Understand and apply the concepts covered under "The basics of Data Science"
- Understand and apply the concepts covered under "Key concepts of programming"
- Understand and apply the concepts covered under "Key concepts of Data Management and Business Intelligence"
- Understand and apply the concepts covered under "Statistics, Probability and Advanced Statistical topics"
- Understand and apply the concepts covered under "Machine Learning and Artificial Intelligence"
- Understand and apply the concepts covered under "Data Visualization Methods"
- Understand and apply the concepts covered under "Data Governance, Data Anonymization"

COURSE OUTLINE

Module 1: The basics of Data Science

- Learn core data science principles, tools, and techniques to analyze structured and unstructured data and extract actionable insights.

Module 2: Key concepts of programming

- Learn essential programming skills in R and Python to solve complex data challenges.

Module 3: Key concepts of Data Management and Business Intelligence

- Master techniques for data organization and analysis to support business decision-making

Module 4: Statistics, Probability and Advanced Statistical topics

- Grasp core statistical methods and probability theory, and how they support effective data analysis and prediction

Module 5: Machine Learning and Artificial Intelligence

- Dive into algorithms and AI tools to build predictive models and automate decision-making.

Module 6: Data Visualization Methods

- Dive into algorithms and AI tools to build predictive models and automate decision-making.

Module 7: Data Governance, Data Anonymization

- Learn data governance principles and anonymization techniques to protect privacy and ensure compliance in data management.