

Data Science: Foundation

Certificate: Peoplecert Data Science Foundation

Duration: 3 days

Delivery: In-Person OR Live-Online

Language: English & Arabic

Data Science Foundation is aimed at anyone who wishes to have and demonstrate a thorough understanding of Data Science fundamentals and its applications and uses that can be applied to real business cases.

Extract value from data, apply useful insights

Candidates get guidance on how to use scientific methods, processes, and algorithms to extract insights from structured and unstructured data. Organizations can use data for many reasons, from refining their marketing campaigns and techniques to solving business problems, carrying out predictive modelling, and other analytics applications. The use of data science is constantly increasing in importance across many industries and can lead to a comparative advantage, maximizing efficiency and increasing profitability.

Learning Objectives

- The basics of Data Science
- Key concepts of Programming (with R/Python)
- Key concepts of Data Management
- Probability and Statistics
- The basics of Machine Learning
- The basics of Artificial Intelligence (AI)
- Key Concepts of Visualization
- Data Governance, Ethics, Data Privacy and Protection

Why choose PeopleCert Data Science Foundation?

PeopleCert Data Science enables candidates to obtain solid knowledge and understanding of data science concepts and tools, along with real business examples. Holding a PeopleCert Data Science certificate enables you to reach your career goals by demonstrating your ability to solve real business problems, realize opportunities, optimize operations, improve inefficiencies within your company, predict market trends and discover new sources of revenues, using data science tools.



Target Audience

Data Science Foundation is for all those who want to prove their knowledge and understanding with data science concepts and terms, potential data sources that can be used for solving real business problems and an overall overview of data mining tools.

Example of typical job titles:

- Software Engineer
- Software Developer
- Research Assistant
- Project Manager
- Account Manager
- Administrative Assistant
- Business Analyst
- Sales Associate

Examination Information

Delivery	Computer-Based (Online)
Format	Closed book
Prerequisites	None
Proctoring	Online
Duration	60 minutes (candidates taking exam in a language that is not their native, may be awarded 25% extra time)
# of questions	40, simple multiple choice (1 mark per question)
Pass Grade	70% (28 marks out of 40)

