



PeopleCert Data Science Foundation

Learning Mode:

Online

Duration:

3 days Training + Post Class Coaching
+ Post Class Coaching
+ 1 Day Exam

This course is specifically designed to provide participants with:

- Understanding the core principles and methodologies of data science.
- Using languages like R and Python for programming.
- Managing and organizing data effectively.
- Analyzing data including fundamental concepts in probability and statistics.
- Understanding basics of machine learning, including algorithms and models.
- Applying Artificial Intelligence (AI) through introduction to AI concepts and applications.

Accredited by:

PeopleCert

All talents, certified.

Course Overview

SUMMARY PeopleCert Data Science: Foundation covers the introductory elements required for a candidate to build their knowledge and understanding regarding data science principles, concepts, terminology and uses along with the tools that can be applied to real business cases. The foundational knowledge for these skills is delivered through the official course materials provided by PeopleCert to TEC, recognized as accredited training organizations (ATOs).

EXAM FORMAT

- 40 questions – Multiple choice
- Duration: 60 minutes
- Closed book
- Passing mark: Minimum required score to pass: 70%
- Renewal every 3 years

Course Content

MODULE 1

Introduction to Data Science

- Overview & Definitions
- Key Concepts

MODULE 2

Programming Skills (with R/Python)

- Introduction to Programming

MODULE 3

Data Management

- Relational Databases (RDBMS)
- New Data Management Methods
- Business Intelligence

MODULE 4

Probability & Statistics

- Introduction to Statistics
- Introduction to Probability Theory

MODULE 5

Machine Learning (ML) and Artificial Intelligence (AI)

- Introduction to Probability Theory

MODULE 6

Visualization

- Introduction to Visualization

MODULE 7

Business Skills

- Data Governance
- Ethics, Data Privacy and Protection