Data Science Foundation

Extract value from data, apply useful Insights

megasoft

PeopleCert Data Science®

Course Description

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.

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

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

Agenda

Day #1

- Introduction to Data Science

- Why is Data Science and Data important?

- Common Tools used in Data Science

- Data Science and Programming

- Recap and Q&A

Day #2

- Data Management

- Data Governance

- Business Intelligence & Visualization of Data

Day #3

- Statistics

- Machine Learning (ML)

- Artificial Intelligence (AI)

- Recap and Q&A

About the Examination

Delivery	Computer-Based (Online)
Format	Closed book
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%

Data Science Foundation course & exam are offered together as a bundle.