

KOENIG SOLUTIONS • COURSE OUTLINE

Certified Data Science Practitioner (CDSP)

Learn to extract, analyse and model data, building classification, regression and clustering solutions to address business issues.

8

MODULES

20

TOPICS

COURSE OVERVIEW

This course covers addressing business issues through data science, followed by extracting, transforming and loading data. It then examines data analysis, including distribution exploration, visualisation and preprocessing, before introducing machine learning concepts and hypothesis testing. Classification, regression and clustering models are each trained, tuned and evaluated, and the course closes with communicating results to stakeholders, demonstrating models in a web setting and implementing production pipelines.

WHO THIS COURSE IS FOR

Data Scientists

Data Analysts

Machine Learning Engineers

Business Analysts

Data Engineers

LEARNING OBJECTIVES

Course Outcomes:

- Apply data science techniques to solve business problems
- Process and analyze data for meaningful insights
- Develop machine learning models for classification, regression, and clustering
- Evaluate and communicate the results of data science projects

8 Modules, 20 Topics

01

Addressing Business Issues with Data Science

TOPICS

Initiate a Data Science · Formulate a Data Science

02

Extracting, Transforming, and Loading Data

TOPICS

Extract Data · Transform Data · Load Data

03

Analyzing Data

TOPICS

Examine Data · Explore the Underlying Distribution of Data · Use Visualizations to Analyze Data · Preprocess Data

04

Designing a Machine Learning Approach

TOPICS

Identify Machine Learning Concepts · Test a Hypothesis

05

Developing Classification Models

TOPICS

Train and Tune Classification Models · Evaluate Classification Models

06

Developing Regression Models

TOPICS

Train and Tune Regression · Evaluate Regression

07

Developing Clustering Models

TOPICS

Train and Tune Clustering · Evaluate Clustering

08

Finalizing a Data Science Project

TOPICS

Communicate Results to Stakeholders · Demonstrate Models in a Web · Implement and Test Production Pipelines

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

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✉ info@koenig-solutions.com