

# **CertNexus Certified Data Science Practitioner (DSP-110)**

## **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.

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## **Lesson 1: Addressing Business Issues with Data Science**

Topic A: Initiate a Data Science

Topic B: Formulate a Data Science

## **Lesson 2: Extracting, Transforming, and Loading Data**

Topic A: Extract Data

Topic B: Transform Data

Topic C: Load Data

## **Lesson 3: Analyzing Data**

Topic A: Examine Data

Topic B: Explore the Underlying Distribution of Data

Topic C: Use Visualizations to Analyze Data

Topic D: Preprocess Data

## **Lesson 4: Designing a Machine Learning Approach**

Topic A: Identify Machine Learning Concepts

Topic B: Test a Hypothesis

## **Lesson 5: Developing Classification Models**

Topic A: Train and Tune Classification Models

Topic B: Evaluate Classification Models

## **Lesson 6: Developing Regression Models**

Topic A: Train and Tune Regression

Topic B: Evaluate Regression

## **Lesson 7: Developing Clustering Models**

Topic A: Train and Tune Clustering

Topic B: Evaluate Clustering

### **Lesson 8: Finalizing a Data Science Project**

Topic A: Communicate Results to Stakeholders

Topic B: Demonstrate Models in a Web

Topic C: Implement and Test Production Pipelines