

# Syllabus



## Module 1: From Problem to Approach and From Requirements to Collection

- Video: Course Introduction
- Reading: Helpful Tips for Course Completion
- Reading: Syllabus

### Lesson 1: From Problem to Approach

- Video: Data Science Methodology Overview
- Video: Business Understanding
- Video: Analytic Approach
- Hands-on Lab: From Problem to Approach
- Reading: Lesson 1 Summary: From Problem to Approach
- Practice Quiz: From Problem to Approach
- Glossary: From Problem to Approach
- Graded Quiz: From Problem to Approach

### Lesson 2: From Requirements to Collection

- Video: Data Requirements
- Video: Data Collection
- Hands-on Lab: From Requirements to Collection
- Reading: Lesson 2 Summary: From Requirements to Collection
- Practice Quiz: From Requirements to Collection
- Glossary: From Requirements to Collection
- Graded Quiz: From Requirements to Collection

## Module 2: From Understanding to Preparation and from Modeling to Evaluation

### Lesson 1: From Understanding to Preparation

- Video: Data Understanding
- Data Preparation - Concepts
- Data Preparation - Case Study
- Hands-on Lab: From Understanding to Preparation
- Reading: Lesson 1 Summary: From Understanding to Preparation
- Practice Quiz: From Understanding to Preparation
- Glossary: From Understanding to Preparation
- Graded Quiz: From Understanding to Preparation

## Lesson 2: From Modeling to Evaluation

- Video: Modeling - Concepts
- Video: Modeling - Case Study
- Video: Evaluation
- Hands-on Lab: From Modeling to Evaluation
- Reading: Lesson 2 Summary:From Modeling to Evaluation
- Practice Quiz: From Modeling to Evaluation
- Glossary: From Modeling to Evaluation
- Graded Quiz: From Modeling to Evaluation

## Module 3: From Deployment to Feedback

- Video: Deployment
- Video: Feedback
- Video: Storytelling
- Video: Course Summary
- Reading: Module 3 Summary:From Deployment to Feedback
- Practice Quiz: From Deployment to Feedback
- Glossary: From Deployment to Feedback
- Graded Quiz: From Deployment to Feedback

## Module 4: Final Project and Assessment

### Final Project

- Video: Introduction to CRISP-DM
- Reading: Final Assignment Overview
- Peer Review: Final Assignment

### Course Summary and Final Quiz

- Reading: Review What You Learned
- Graded Quiz: Final Quiz

### Course Wrap Up

- Reading: Congratulations and Next Steps
- Reading: Thanks from the Course Team
- Reading: IBM Digital Badge

## Author(s)

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