

# Machine Learning



# Course Introduction





## Learning Path

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**Introduction to Machine Learning:** Focuses on the basics of machine learning

1

**Supervised Learning: Classification and Applications:** Focuses on the different types of classification algorithms and their application

3

**Supervised Learning: Regression and Applications:** Focuses on supervised learning, with an emphasis on understanding and implementing different types of regression models.

2

# Learning Path

**Ensemble Learning:** Focuses on advanced ensemble methods to enhance the performance and robustness of classification models.

4

**Recommender Systems:** Focuses on different recommender systems and their designs

6

**Unsupervised Algorithms:** Focuses on analyzing different unsupervised algorithms and clustering types

5



## Course Components

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**Hands-on exercises** to test the knowledge gained



**Course-end project** to apply the skills acquired



**Ebooks** to have a quick reference guides



**Let's get started!**