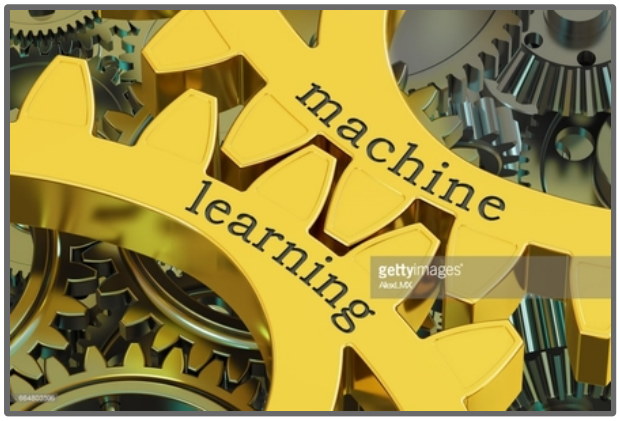
Week 1: Introduction to machine learning

WEEK 1: INTRODUCTION TO MACHINE LEARNING



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Getting started (1.1-1.3): Discover what you will be learning this week as well as throughout this unit.
Introducing machine learning (1.4-1.10): Some examples of ML and an overview of the process.
Data representation overview (1.11-1.15): Learn how data is represented in machine learning algorithms.
Types of machine learning (1.10-1.12): Explore different machine learning algorithms and understand their variances.
Introduction to Python programming (1.16-1.28): Install and get started with Python programming.
Wrap up (1.29): Reflect on what you have learnt in this week and start to think about what you could do next.
Pass activity (1.28): Complete this activity and submit in

OnTrack as an evidence of learning.

0 % 0 of 30 topics complete

1.1 Welcome to SIT307 and SIT720
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1.2 Learning with Deakin
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1.3 Essential skills and concepts
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1.4 Defining Machine Learning
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1.5 Real-world applications of machine learning
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1.6 Machine Learning steps
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1.7 Supervised learning overview
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1.8 Unsupervised learning overview
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1.9 Reinforcement learning
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1.10 Model evaluation and selection
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1.11 Mathematics and ML
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1.12 Vectors and its operations
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1.13 Distances between vectors
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1.14 Matrix algebra
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1.15 Some special matrices
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1.16 Let's get started
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1.17 Setting up Python
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1.18 Types of variables
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1.19 Branching and decisions
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1.20 Iterations
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