Introduction to Machine Learning

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Machine Learning Enthusiastic

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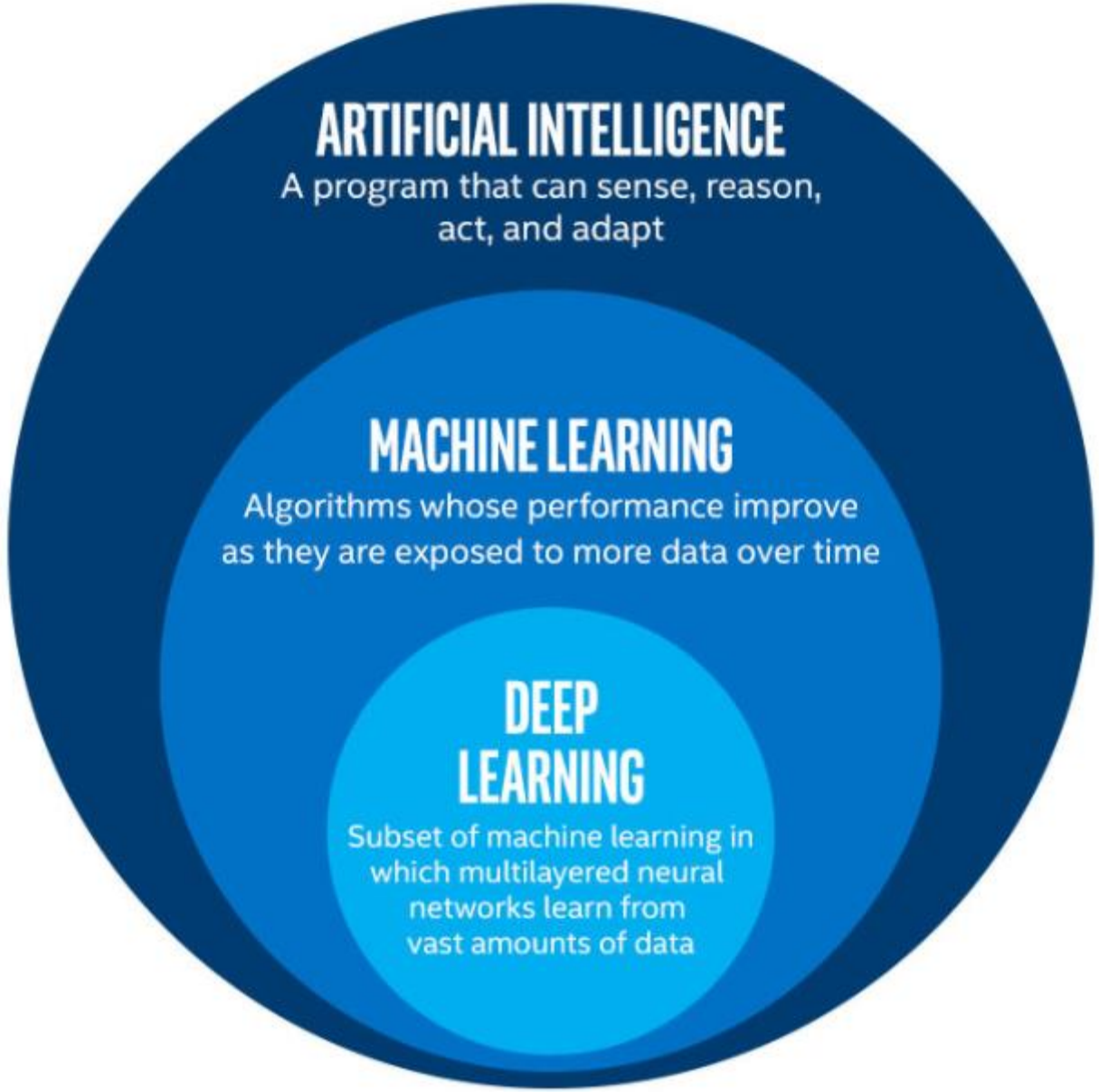
About this Class

Date and Time	Topics
07 June 2020	Introduction to Machine Learning
14 June 2020	Introduction to Supervised Learning
21 June 2020	Study Case : Covid-19 Predicition
28 June 2020	Introduction to Unsupervised Learninig and Reinforcement Learning

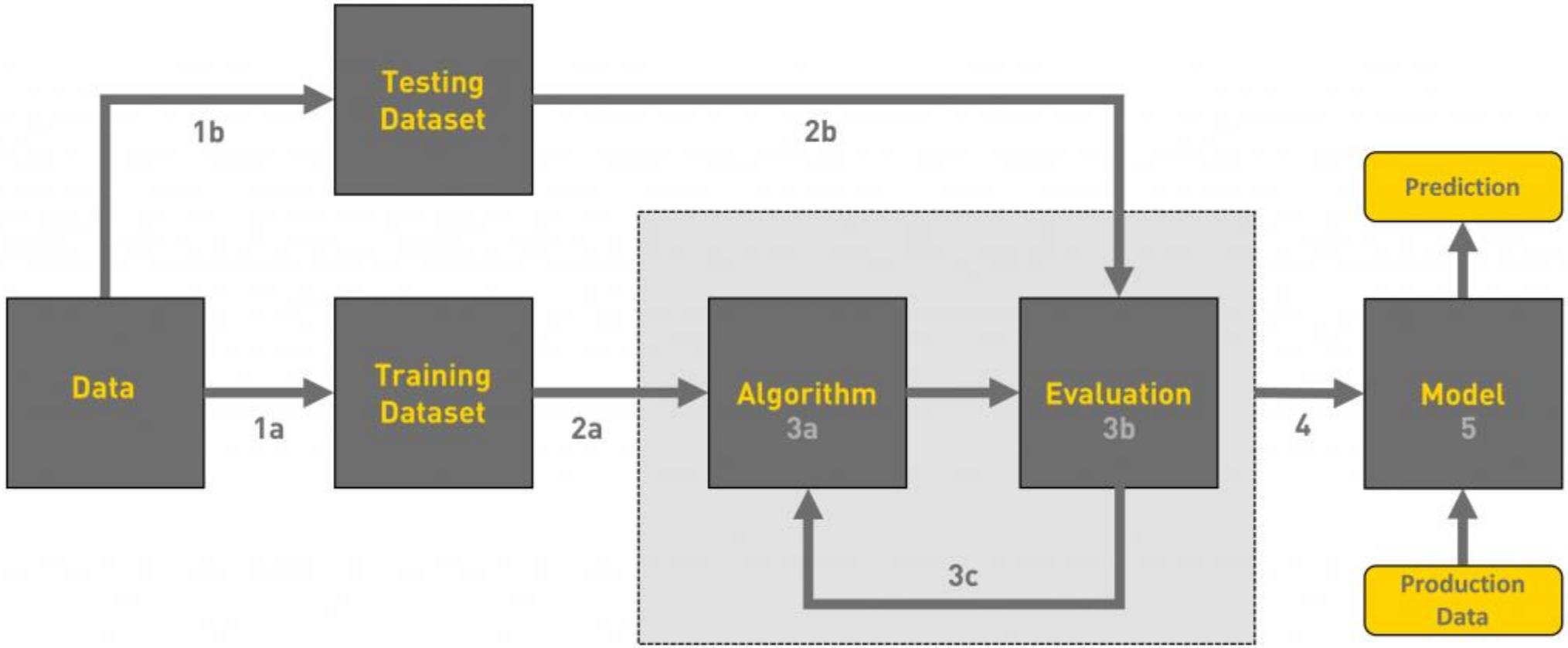
Example :

What is machine learning?

Machine learning (**ML**) is the study of computer algorithms that improve automatically through experience. (wikipedia)


ARTIFICIAL INTELLIGENCE
A program that can sense, reason, act, and adapt
MACHINE LEARNING
Algorithms whose performance improve as they are exposed to more data over time
DEEP LEARNING
Subset of machine learning in which multilayered neural networks learn from vast amounts of data

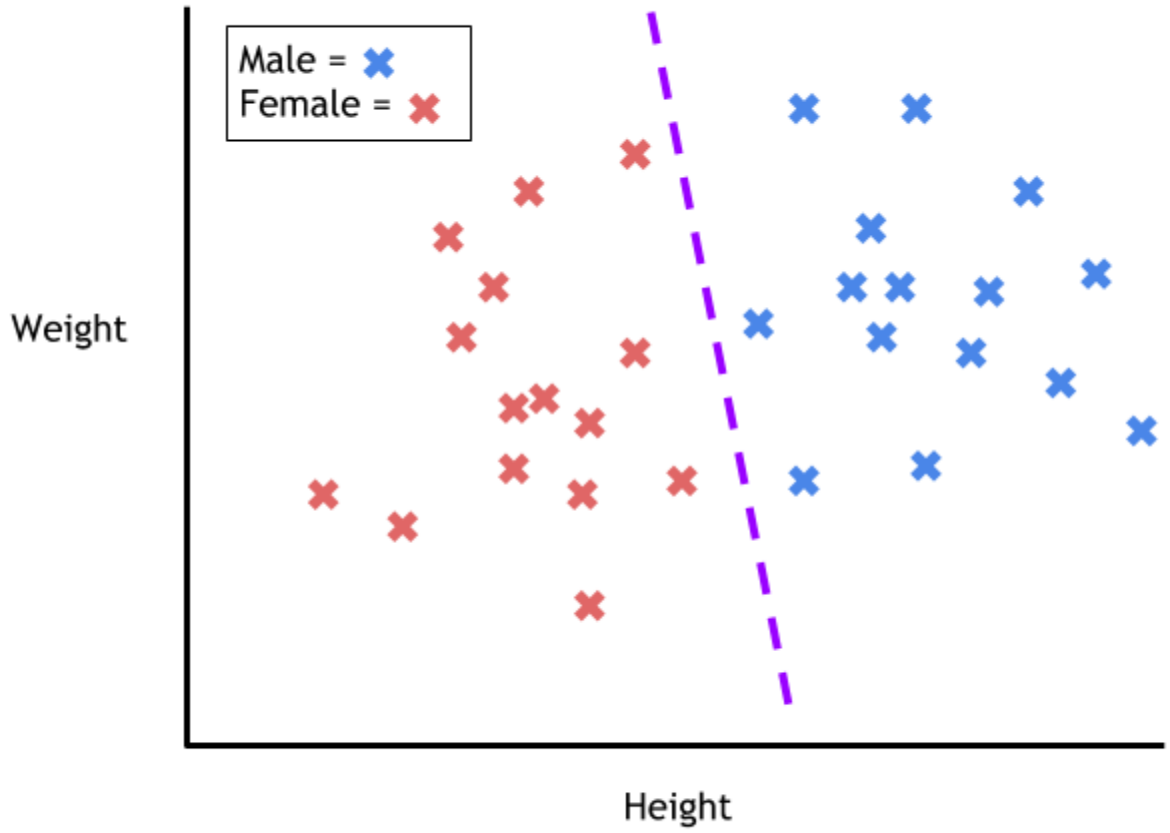
Machine Learning Diagram Model


Testing Dataset
1b
2b
Prediction
Data
1a
Training Dataset
2a
Algorithm
3a
Evaluation
3b
4
Model
5
3c
Production Data

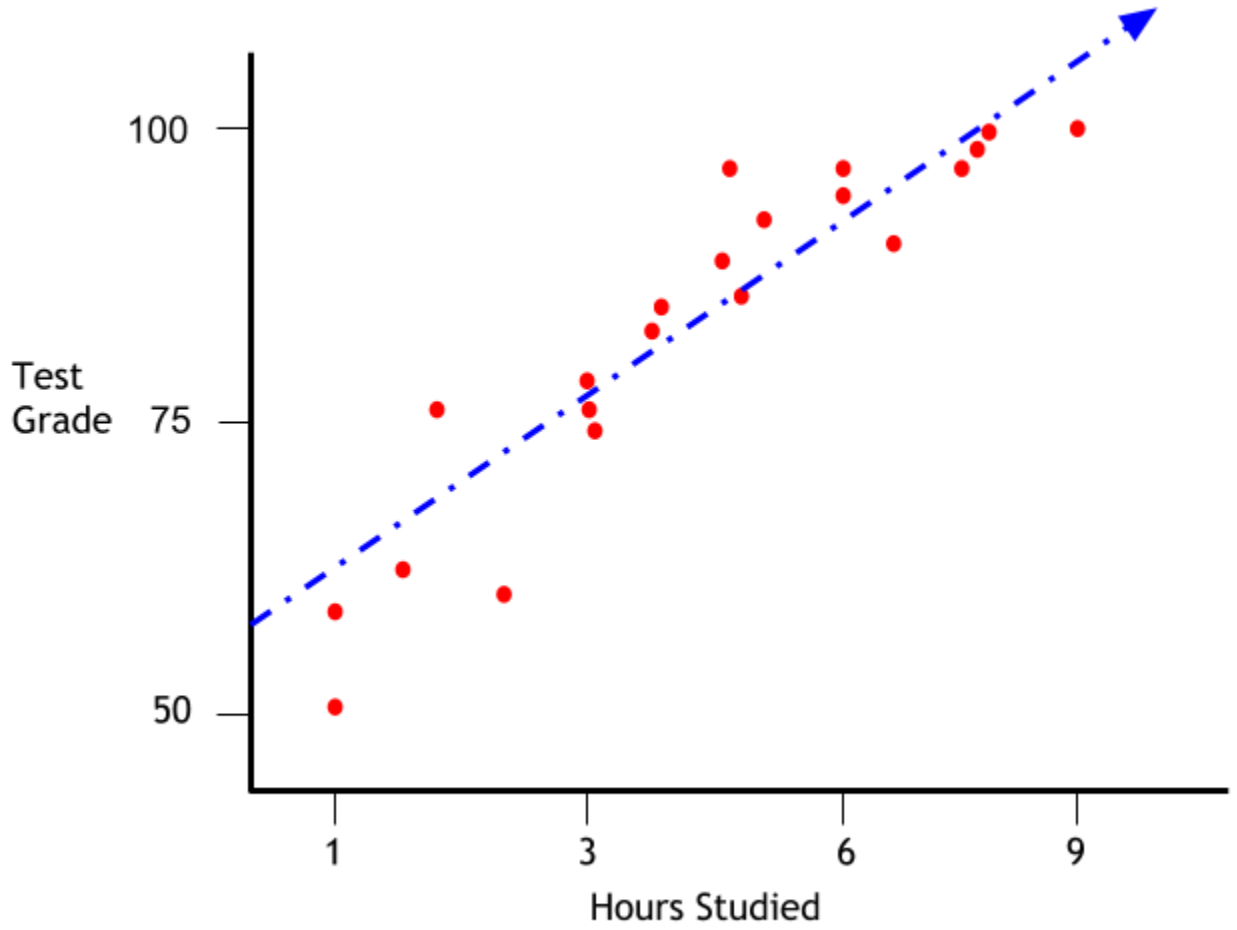
Type of Machine Learning Algorithm

Supervised Learning

1. Classification



2. Regression

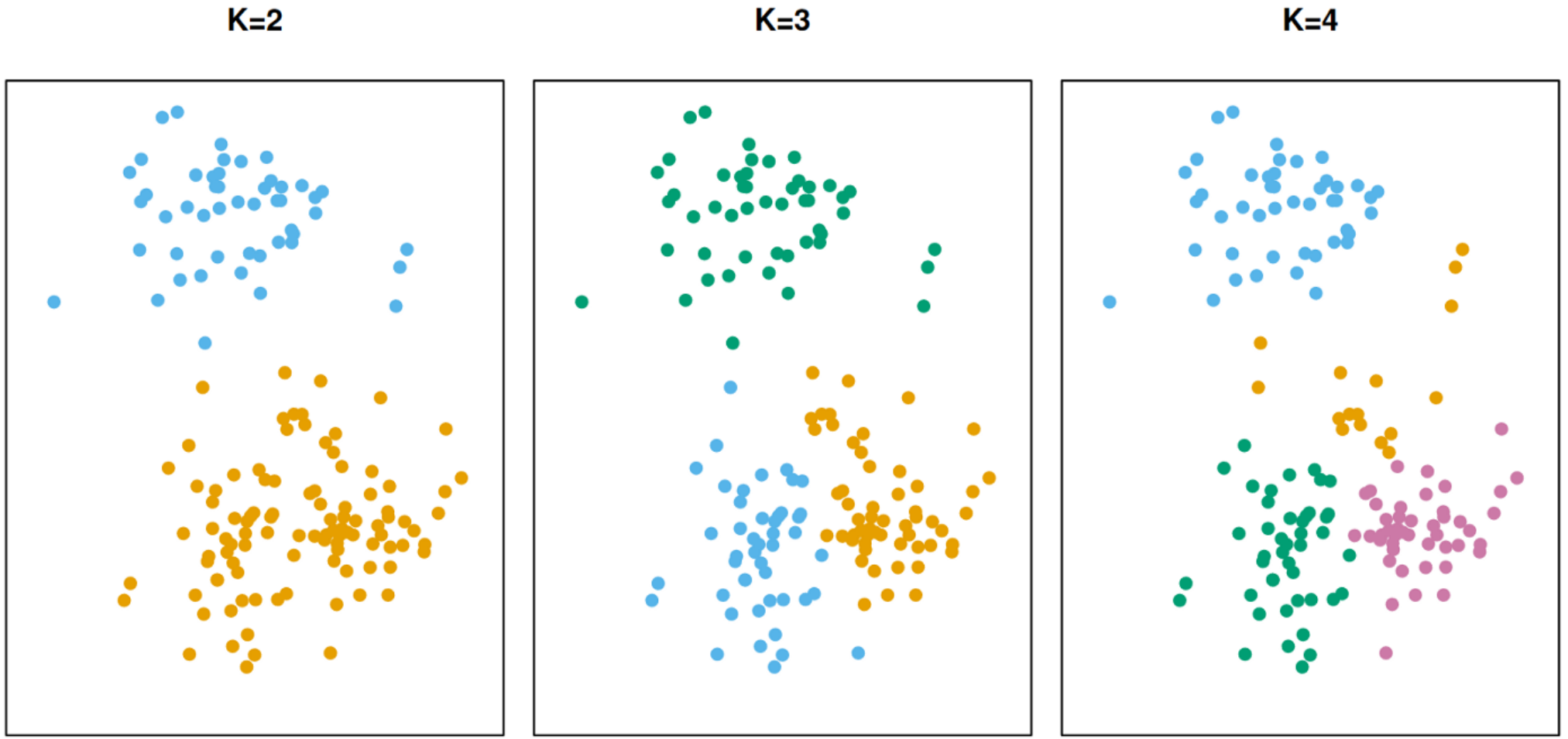


Unsupervised Learning

1. Descriptive Learning

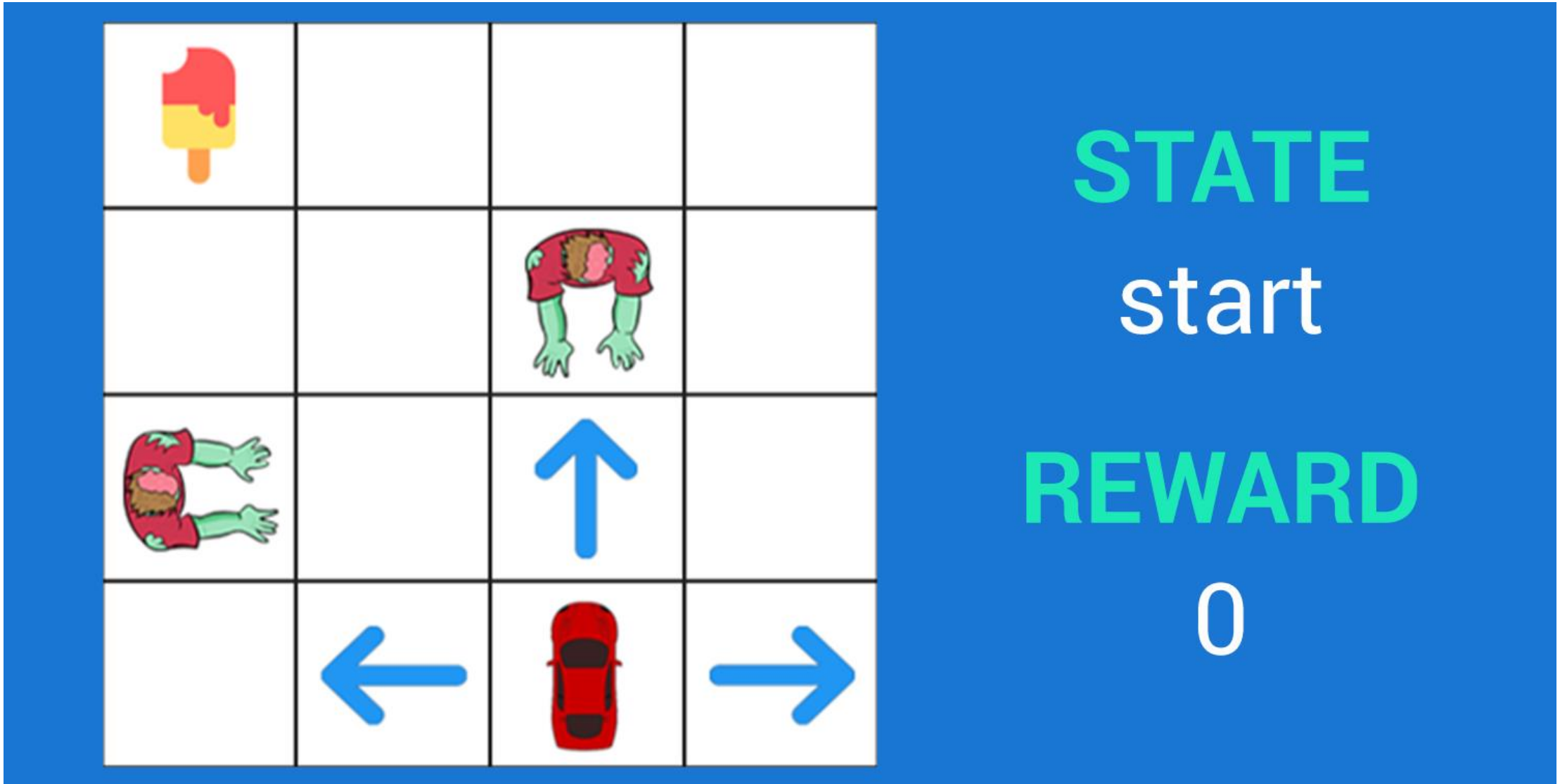
Come up the future ideas based on the dataset

2. Clustering



Reinforcement Learning

1. Reinforcement Learning



Special Thanks to

Towards Data Science (https://towardsdatascience.com/)

Medium (https://medium.com/)

Quora (https://www.quora.com/)

Wikipedia (https://www.wikipedia.org/)

Insane (https://www.facebook.com/TheInsaneApp/)

Assignment

1. Find the difference between data science and machine learning.
2. Learn one supervised learning algorithm.