

In Week 1 we get the introductory sessions about Artificial intelligence and its applications in our life and why we need to learn and use Artificial intelligence in our life.

We also get the concept of neural network and how it's constructed and its applications in our life, for example how to formulate a neural network in real life example like how to predict the price of houses given the an information like the size of the house, number of people and many other features.

The concept of supervised and unsupervised learning has been introduced and the difference between them.

An illustrative graph was introduced that shows why AI has been booming in the last few years due to the intensive digitalization of data and the training sets.

In Week 2 We got the following concepts

- Binary classification which can be used to classify data which is positive or negative for example a cat or not (1 or 0).
- the logistic regression learning algorithm and it's parameters.
- the concept of the cost function and gradient descent.
- Revision on calculus.
- The computation graph
- the concept of forward and backward propagation.