

Machine Learning 101

By Abdullah Shareef

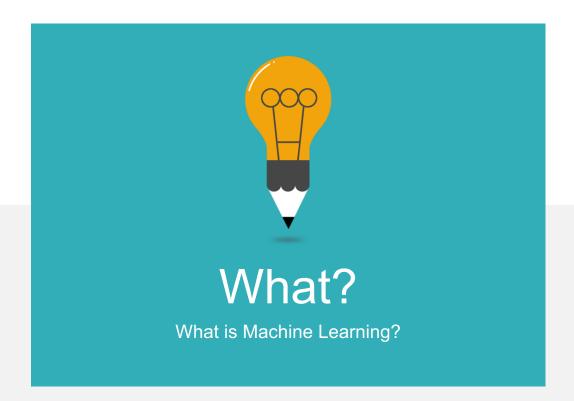


I'm Abdullah! CS & Math Major @ Rutgers

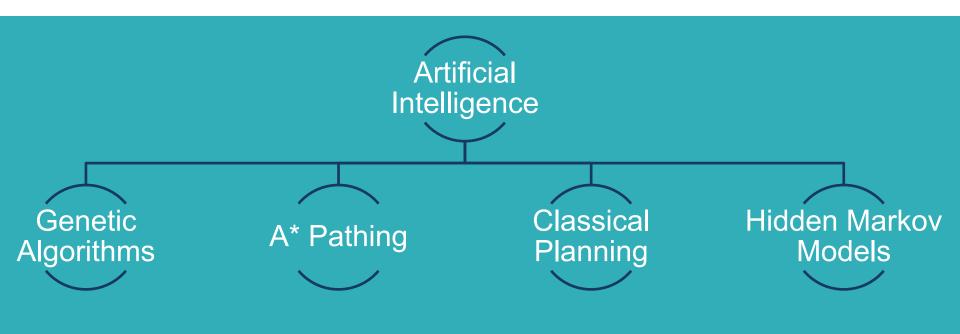


Machine Learning is the Future.

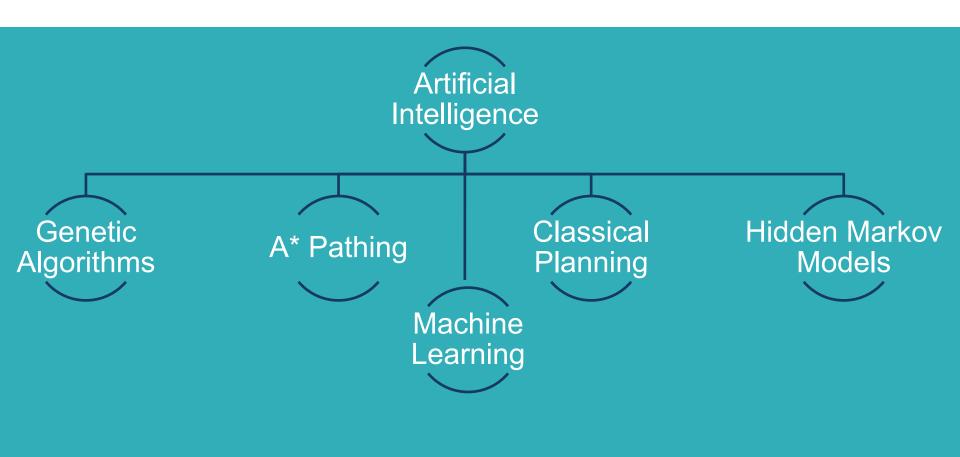




Artificial Intelligence



Artificial Intelligence



Supervised Learning

Classification

Regression

Unsupervised Learning

Clustering

Feature Extraction

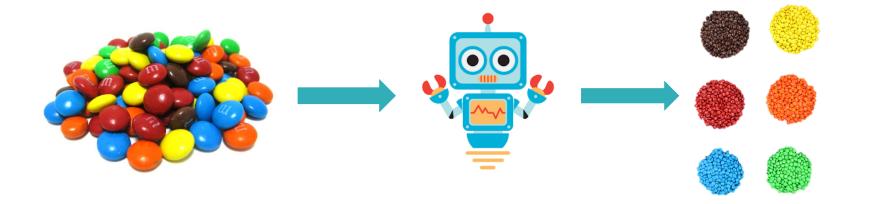
Machine Learning

Machine learning is a field of computer science that gives computer systems the ability to "learn with data, without being explicitly programmed

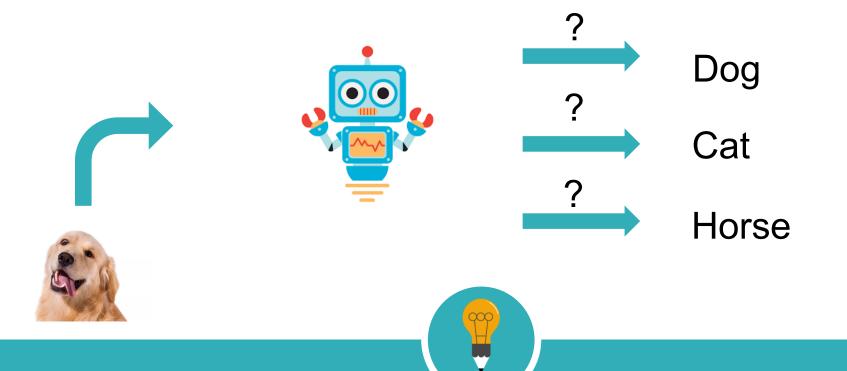




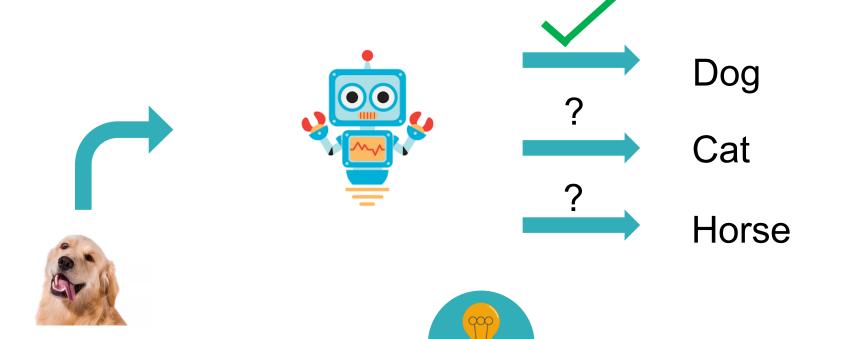






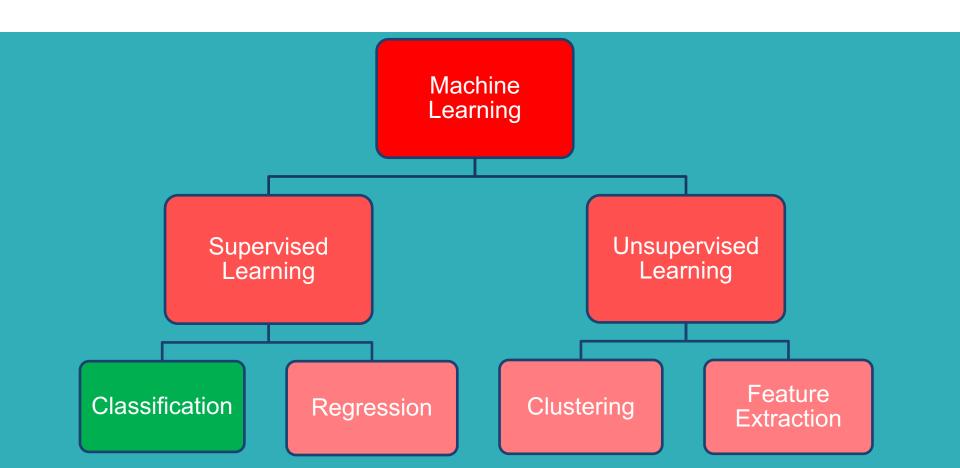


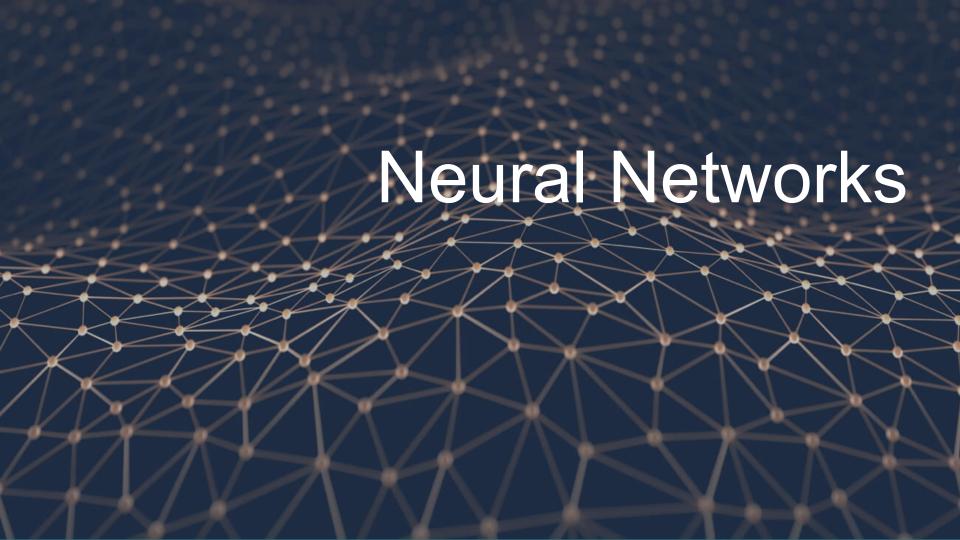
CLASSIFICATION

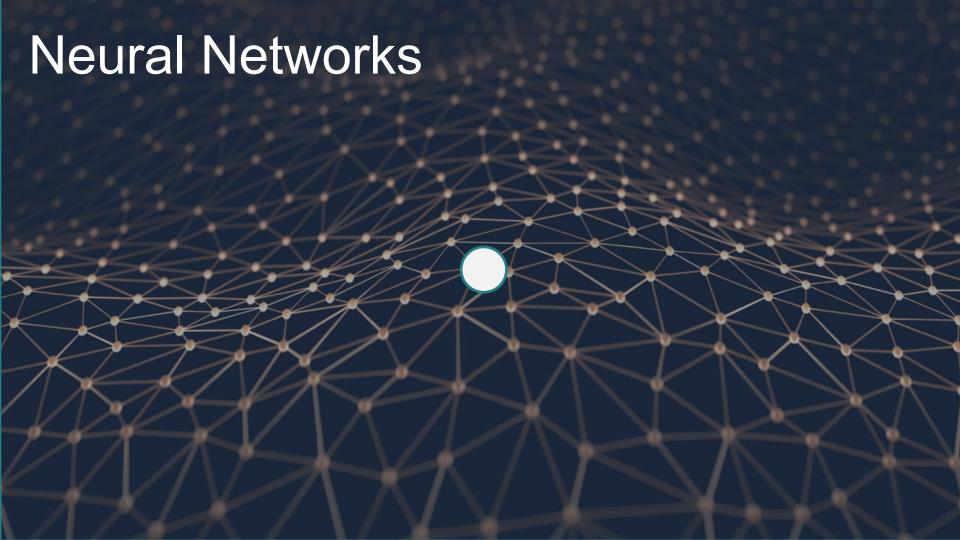


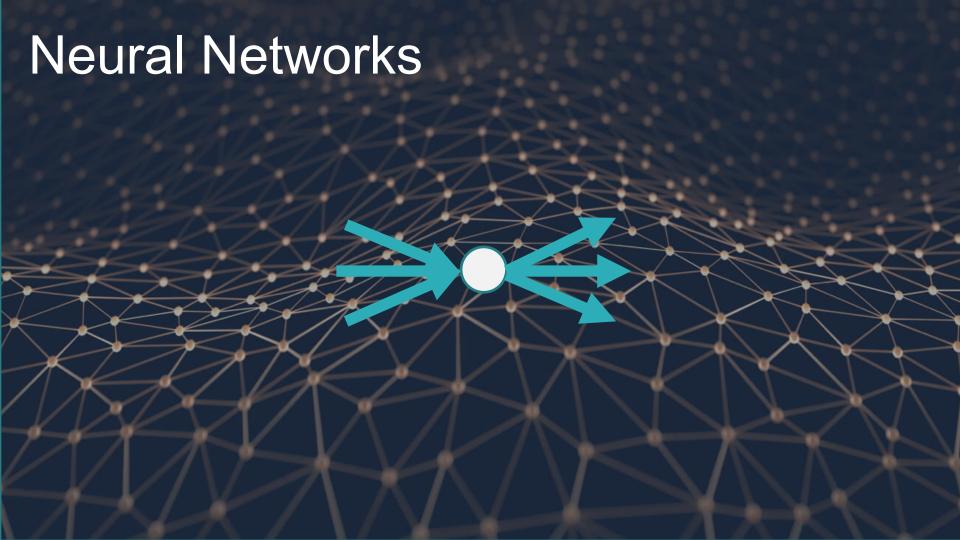
CLASSIFICATION

Machine Learning

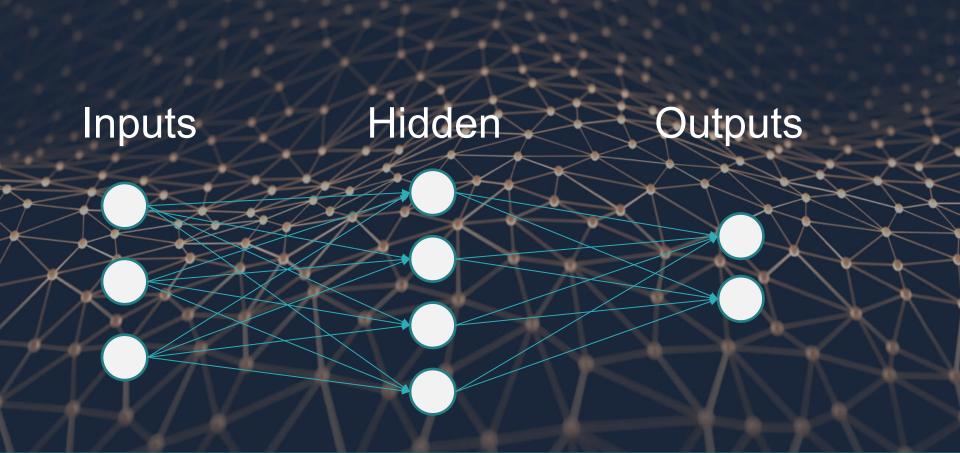








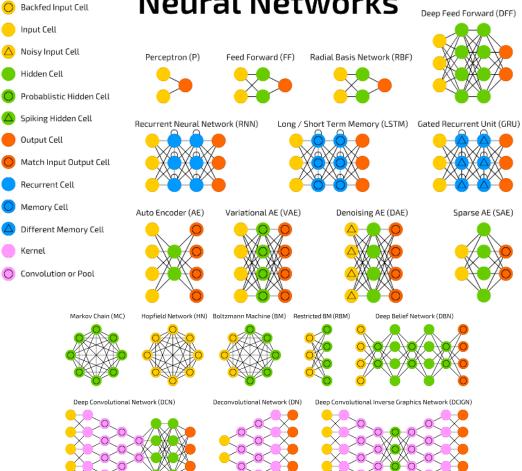
Neural Networks

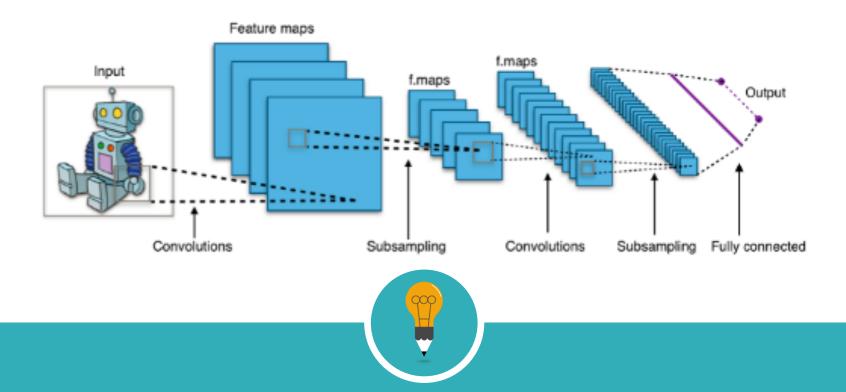


Input Cell

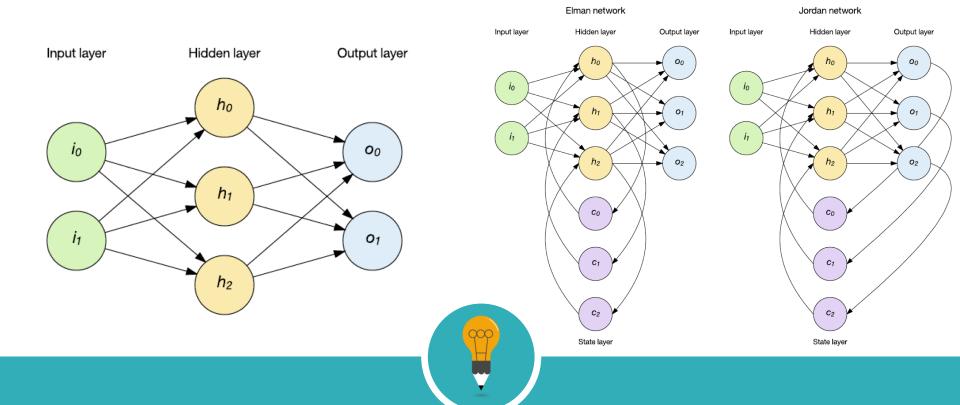
Kernel

Neural Networks

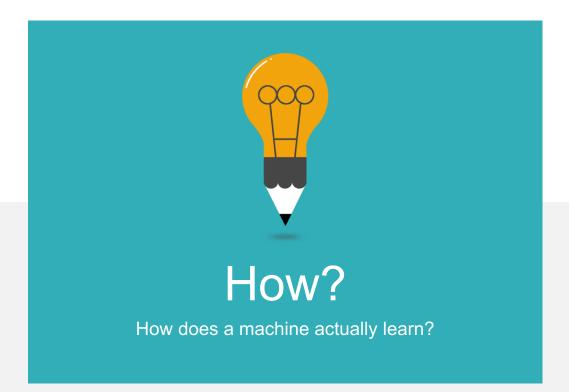




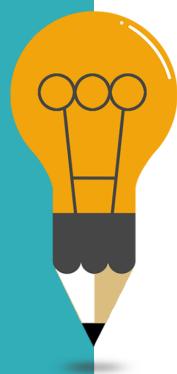
Convolutional Neural Network (CNN)



Recurrent Neural Network (RNN)



Vector Inputs



Metrics:

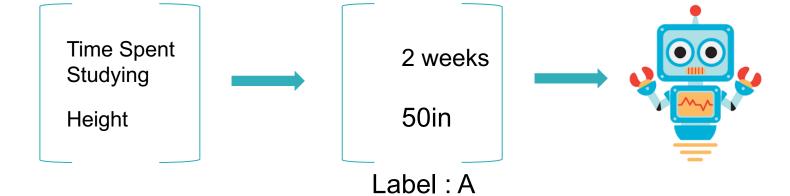
- Time Studying
- Height

1

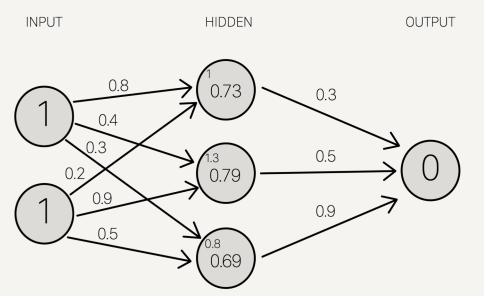
Time Spent

Height

Training Data

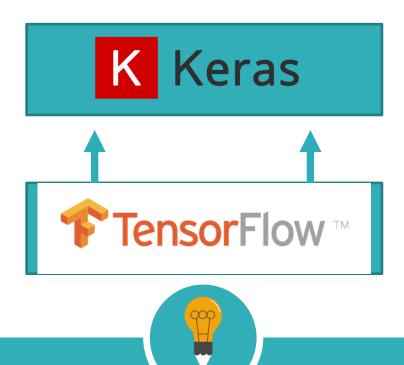








FUN MATH!



What are the Buzzy Technology?!

LIVE CODING!!





Thank you

Any Questions?