Machine Learning (ML)

- Arthur Samuel coined the term Medine Cearning in year 1959.

- He was expert in AI and computer gaming.

- Hackine Learning algorithms enable computers to learn from dara, and even improve themselves without explicitly programmed.

- Any field that needs to interpret dara and out on the data can benefit from ML techniques.

- ML 13 branch of AI AI DL - Deep Learning



by Machine Learning?

- Recent progress in algorithms and theory

- Growing frood of online date

- Computational power is eviable

Features of ML:

- Automotion

- improved customer experience

- Automated data Muslication

- Business Intelligence

Three domains of ML:

Data Mining:

- using historical data

to improve decision making

e.g., medical Records

modical Knowledge

2 software Applications that we can not program by hand.

e.g. - Autonomous driving

- speech Recognition

3 self customized programs

- News Reader that been user subcreams.

what is ML?

- Automating Automation

- getting computers to program

Traditional programming

Machine Leaning

data Computer > program

Output

Output

ML is used in

- speech secognition

- patural lenguage processing

- computer vision

- Medial outcomes analysis

- Robot control

- etc

Applications of ML

- web search

- Finance

- Golorico

- Information extraction

- Social Methodics

- Debugging. etc

Thousands of the Argaintum are available.

- Every the algorithm has 3 components

- Representation

- evaluation

- optimisation