MACHINE LEARNING

SHASWAT SOURAV SWAIN

About Me

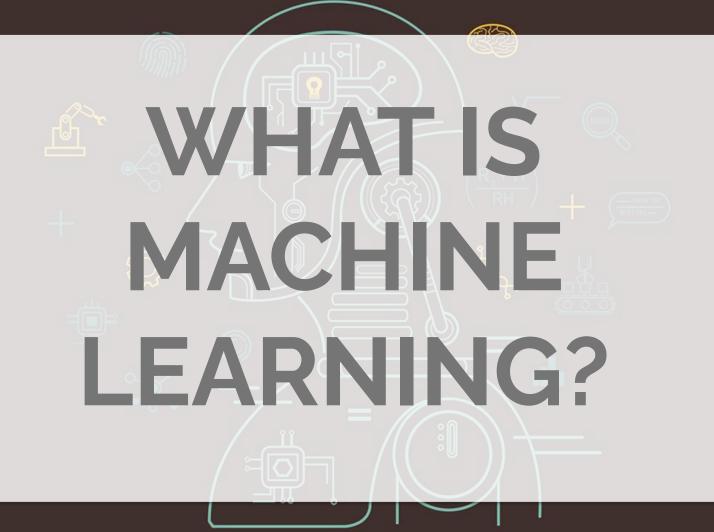
- Pursuing my Bachelors degree from CET in the field of Information Technology
- Areas of Interest:
 - Natural Language Understanding
 - Deep Neural networks
 - Reinforcement Learning
 - Image Processing
 - Exploratory Data Analysis





Companies I have Collaborated with





What do you think it is?

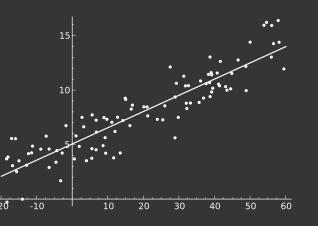


Google Translate

안녕하세요

Hello











Taco Tuesday

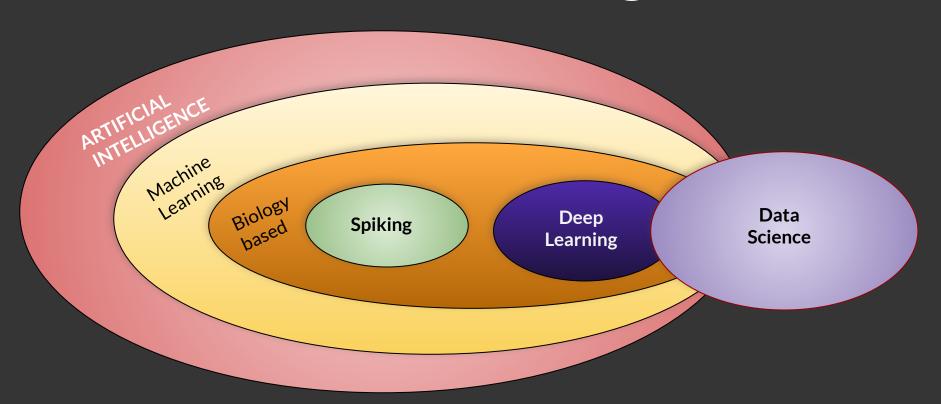
Hey Jacqueline,

Haven't seen you in a while and I hope you're doing well.





Understanding Al



Machine Learning Algorithms (sample)

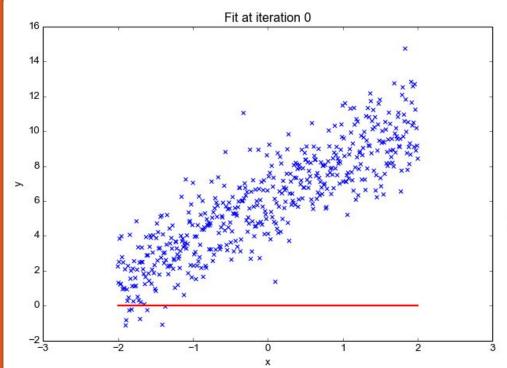
Unsupervised

- Clustering & Dimensionality Reduction
 - o SVD
 - o PCA
 - K-means
- Association Analysis
 - o Apriori
 - FP-Growth
- Hidden Markov Model

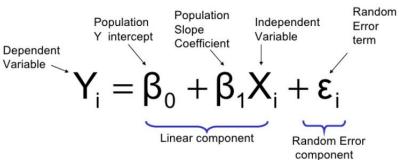
Supervised

- Regression
 - Linear
 - o Polynomial
- Decision Trees
- Random Forests
- Classification
 - KNN
 - Trees
 - Logistic Regression
 - Naive-Bayes
 - SVM

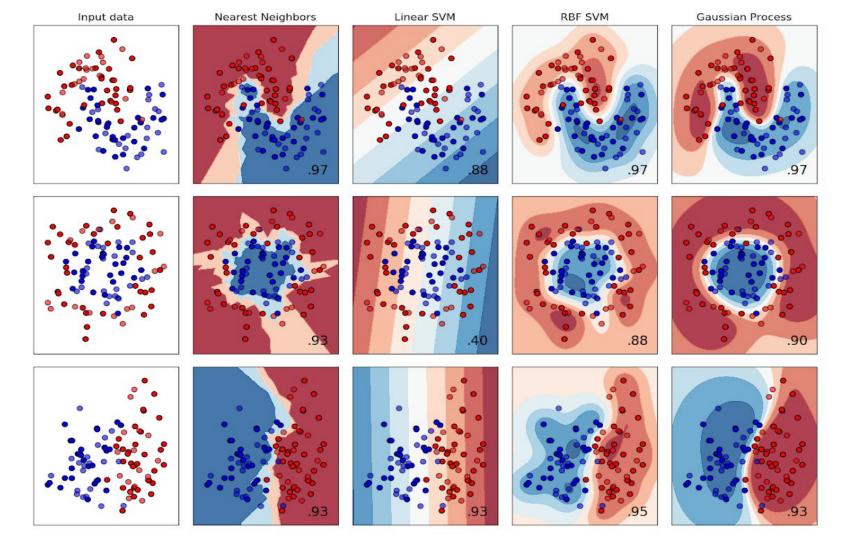
Categorica

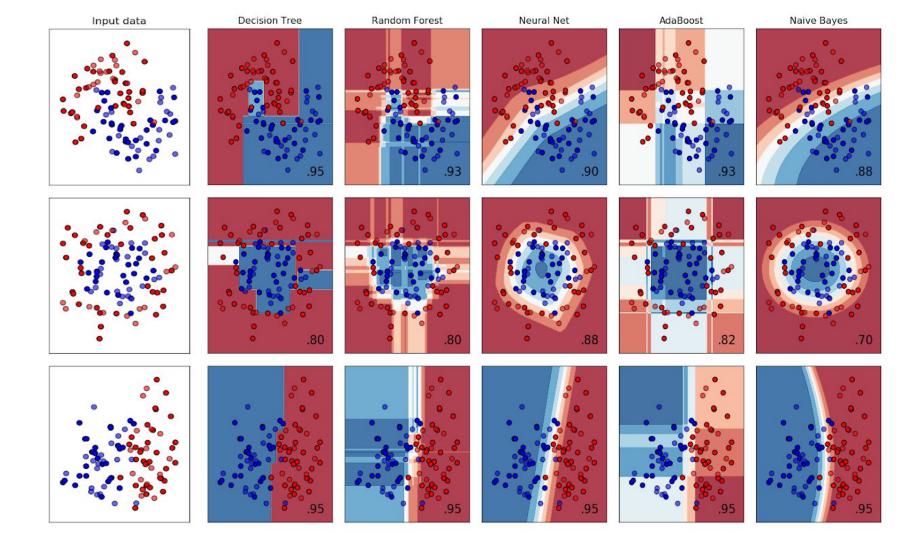


LINEAR REGRESSION

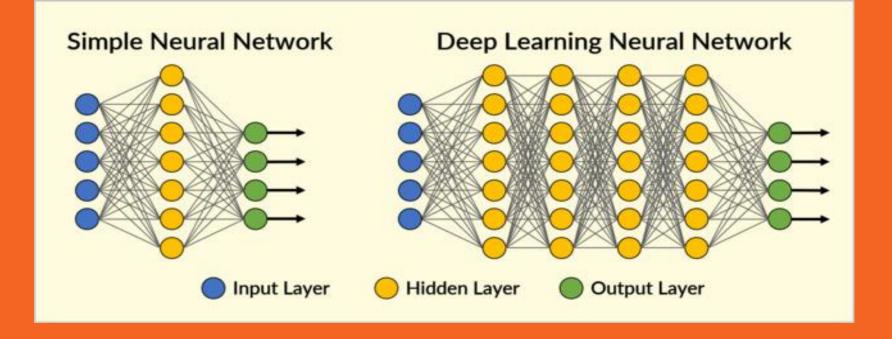


HOW DO MACHINES SEE THE WORLD?

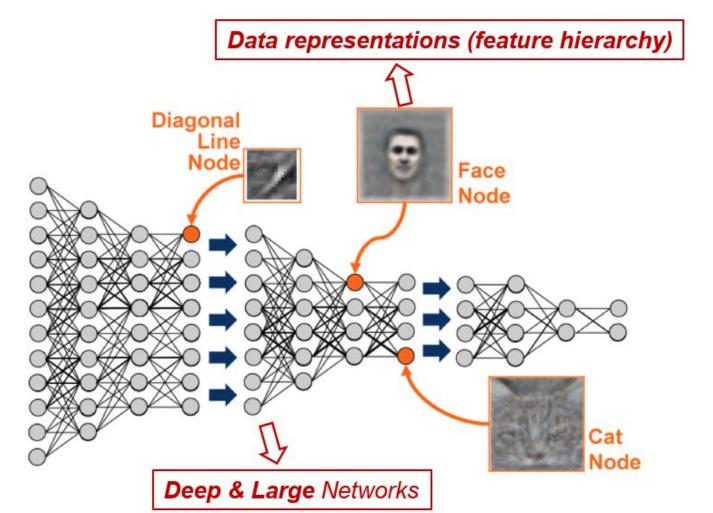




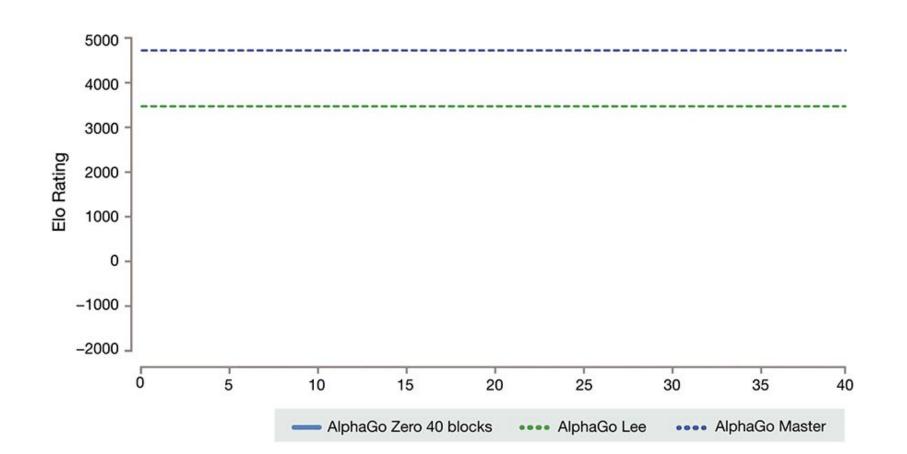
DEEP LEARNING is a class of machine learning algorithms that use multiple layers to progressively extract higher level features from raw input.

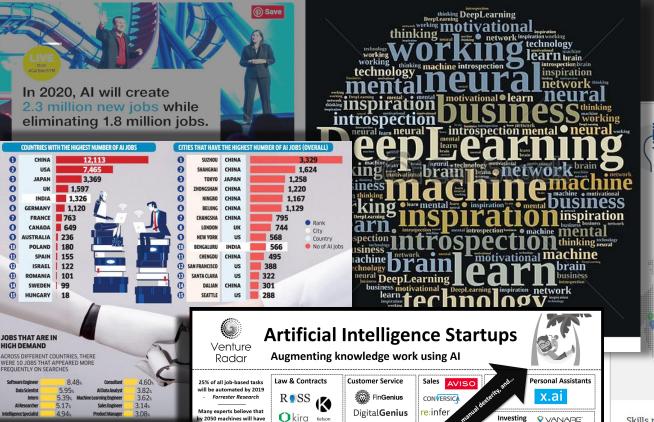


Lots of data



How far have we come?





LEGAL ROBOT

BEAGLE

DOXAL

Audit & Compliance

▲AppZen

CAPITO

COGNICOR

®MetaMind **clarifai**

Wise.io

hed human level

eds of startups are

using AI to augment owledge work

intelligence

Job Trends from Indeed.com

- "Data Scientist

Why Al?



AI ENGINEERS

An artificial intelligence programmer helps develop operating software that can be used for robots, artificial intelligence programs or other artificial intelligence applications. They may work closely with electrical engineers or robotics engineers and others in order to produce systems that utilize artificial intelligence.

8,000

₹20,00,000*

2018 Jobs

Median salary

Al engineering jobs can be found in the following cities (data - per quarter).



*years of experience affects the salary, which can be as high as Rs 30,00,000 per year.

Skills required

INOVANCE

Other Medical

Wired Informatics

√S sensai

Medical & Other Image Analysis

Business Intelligence, Journalism, Research

NarrativeScience / SYN PSIFY

More: https://www.ventureradar.com/

- > Math skills including understanding of probabibilty, statistics and calculus concepts
- > Programming and data Engineering skills including data extraction, processing and analysis

*Top hiring companies

Intel, Amazon India, Accenture India, Wipro Digital, Infosys

Tools The Trade

