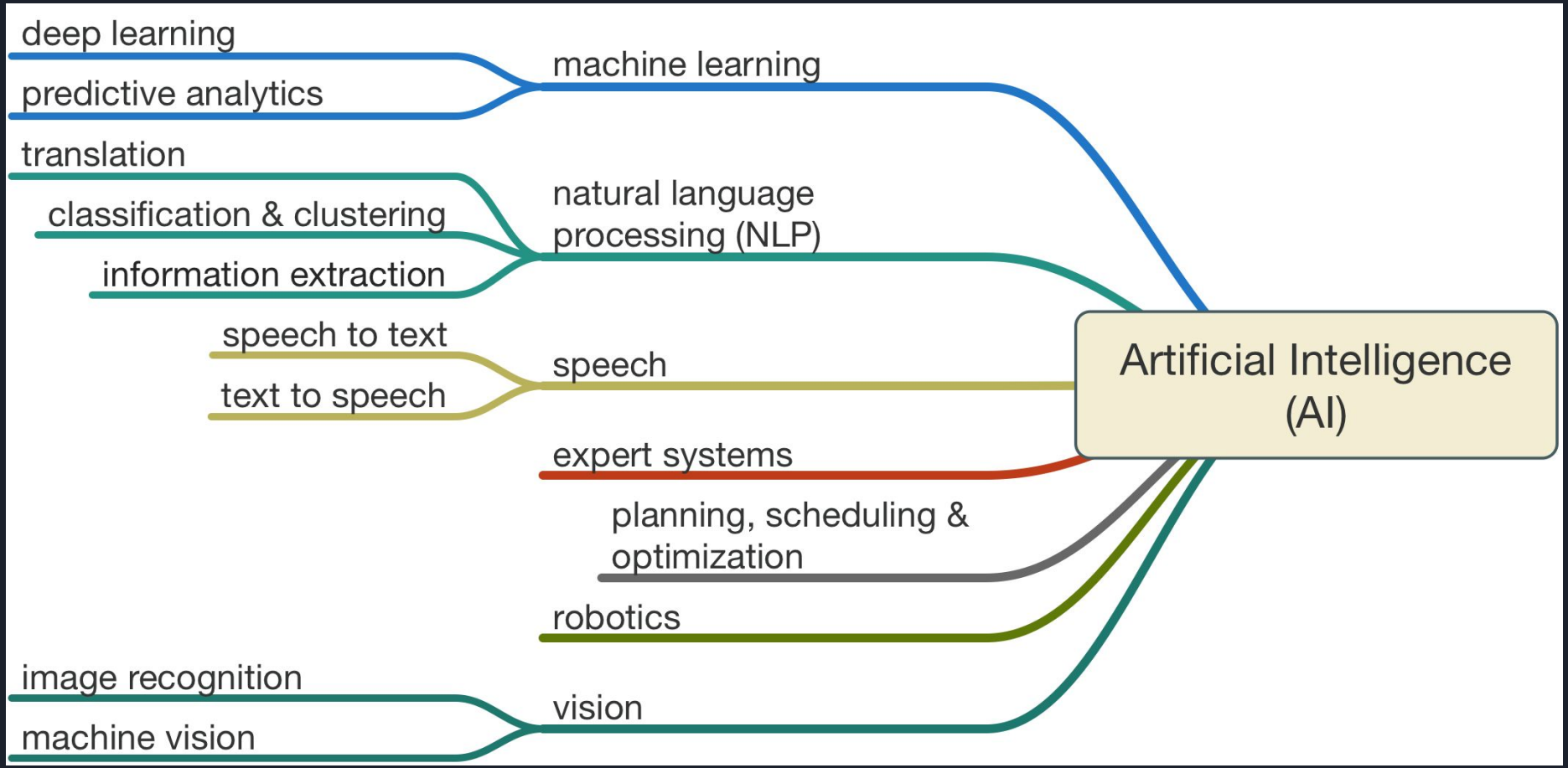
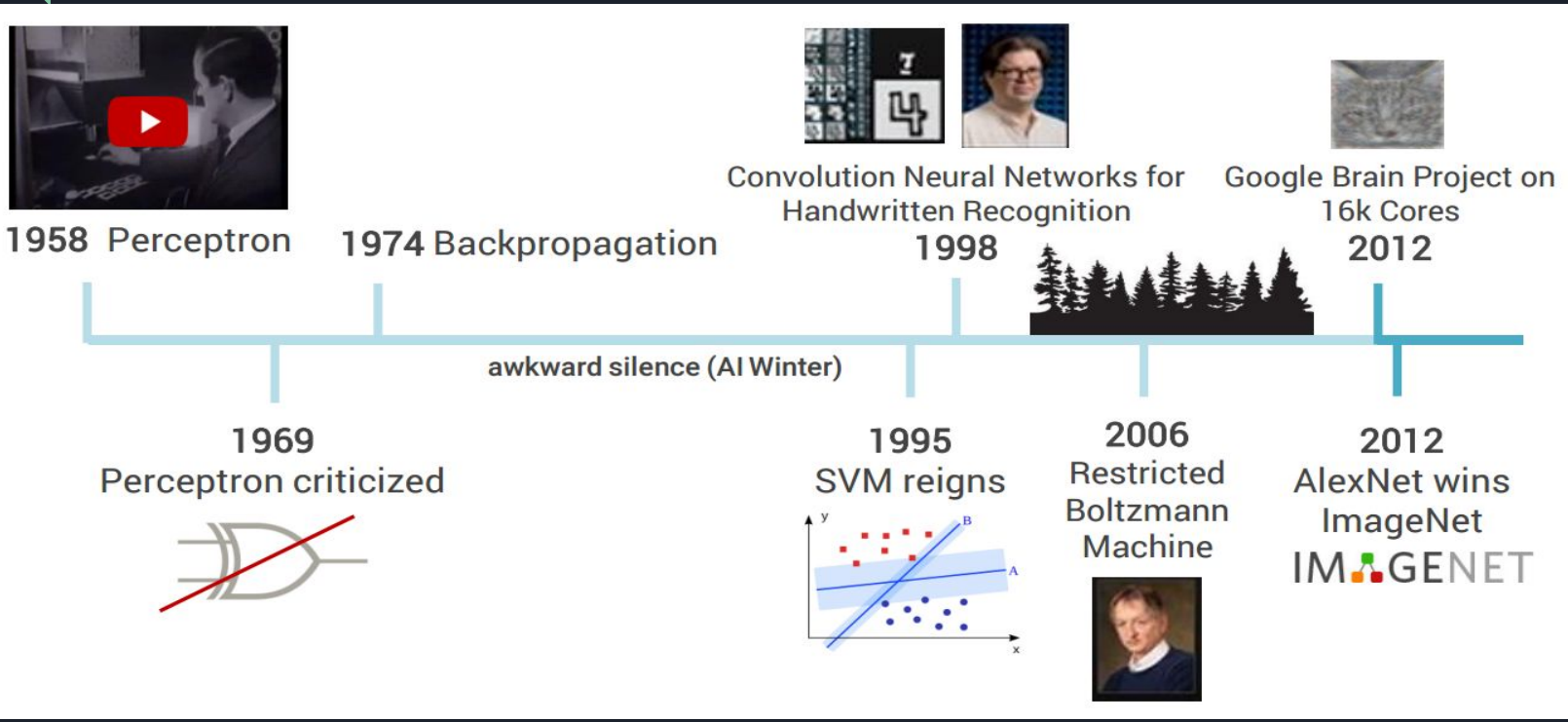
Introduction to Artificial Intelligence(AI)

@Shravankumar147

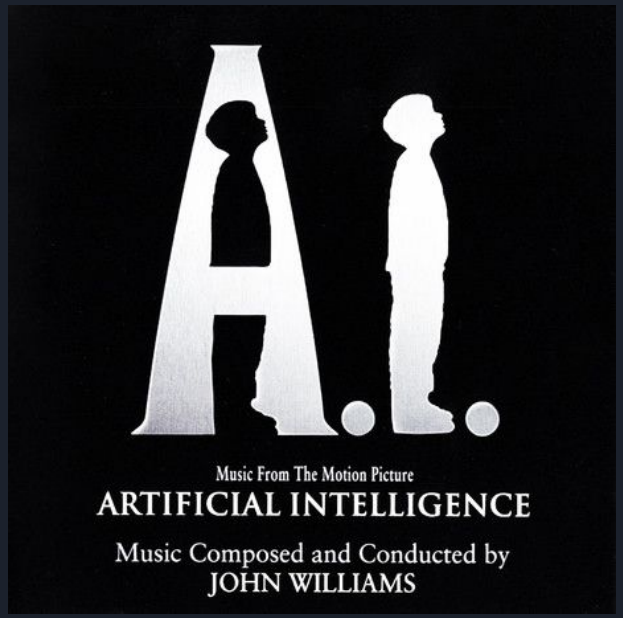

deep learning
predictive analytics
machine learning
translation
classification & clustering
information extraction
natural language processing (NLP)
speech to text
text to speech
speech
Artificial Intelligence (AI)
expert systems
planning, scheduling & optimization
robotics
image recognition
machine vision
vision

Why it is so popular now?




TERMINATOR
GENISYS


CHAPPIE


A.I.
Music From The Motion Picture
ARTIFICIAL INTELLIGENCE
Music Composed and Conducted by
JOHN WILLIAMS


Disney
BIG HERO 6


ALPHAGO
02:00:00
LEE SEDOL
01:59:41
AlphaGo
Lee Sedol

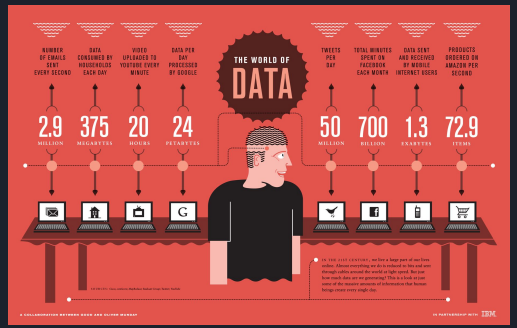

Google DeepMind
Challenge Match
MATCH 2
AlphaGo
Google DeepMind
vs
Lee Sedol


acm
ACM Chess Challenge
Garry Kasparov
vs

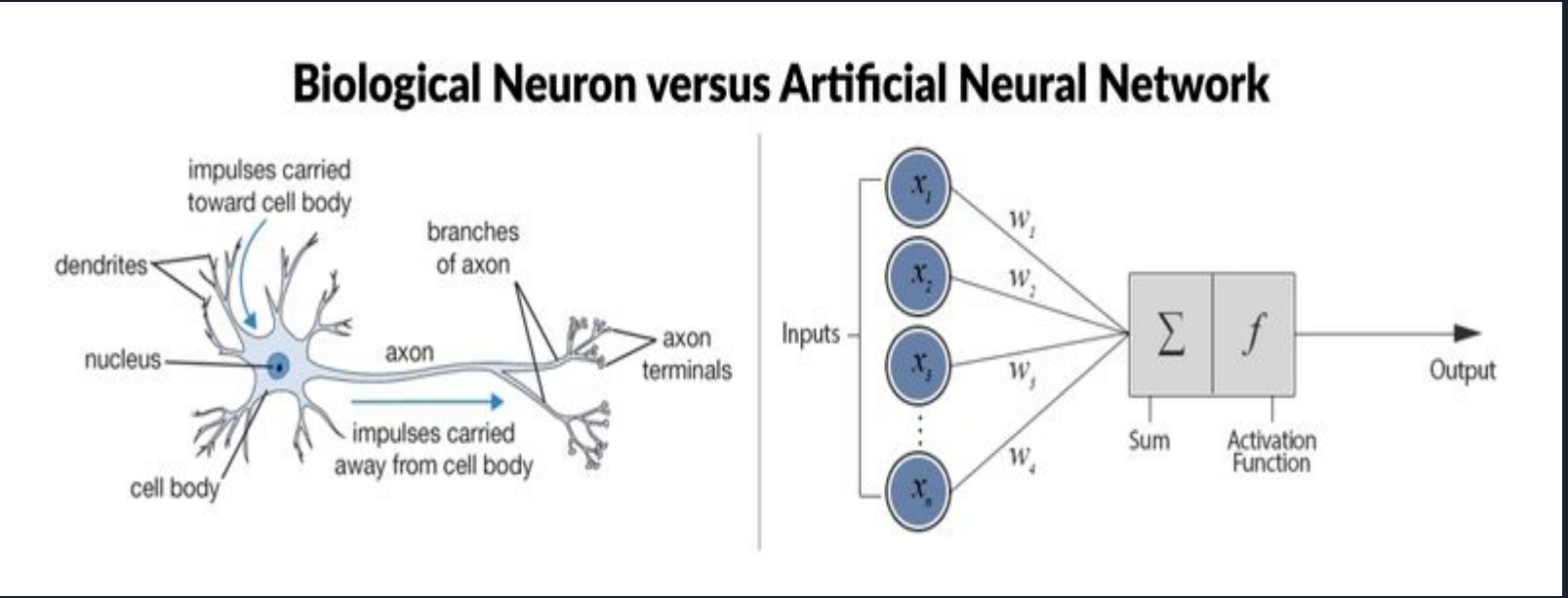
AI isn’t new...

- But now there’s more data than ever
- Affordable processing power
- Inexpensive storage

That equals the models that deliver fast and accurate results

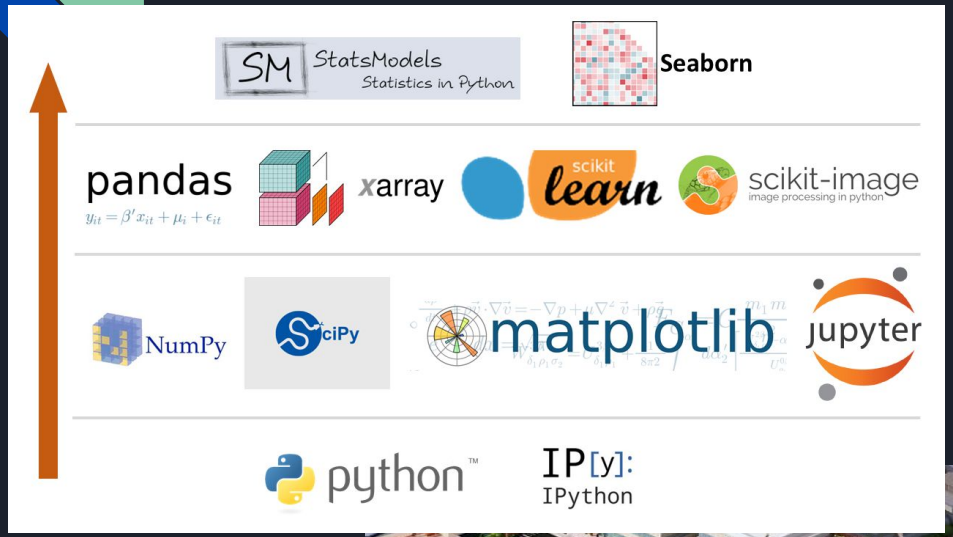


Analogy between biological neuron and artificial neural network



5 best programming languages for AI

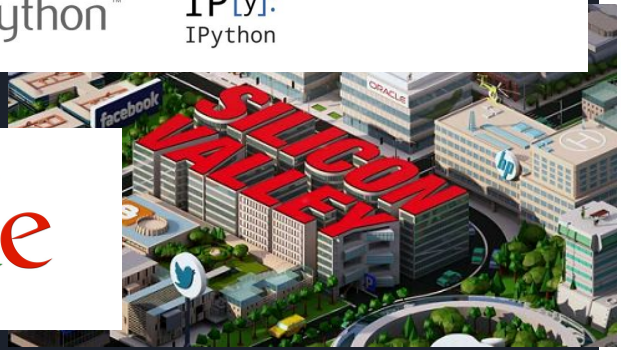
Why I choose python?



Stanford University

UNIVERSITY OF OXFORD

IIIT, HYDERABAD



Google

scikit learn

TensorFlow

Caffe

K

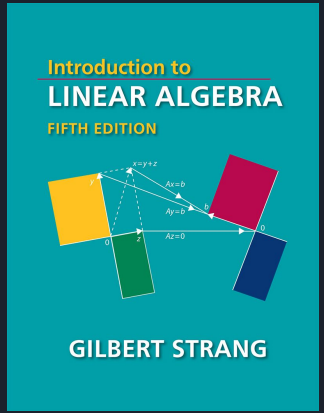
theano

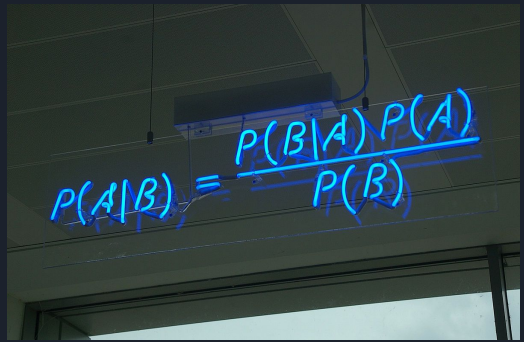
I am new to this ? Can I get into....?

Yes you can!

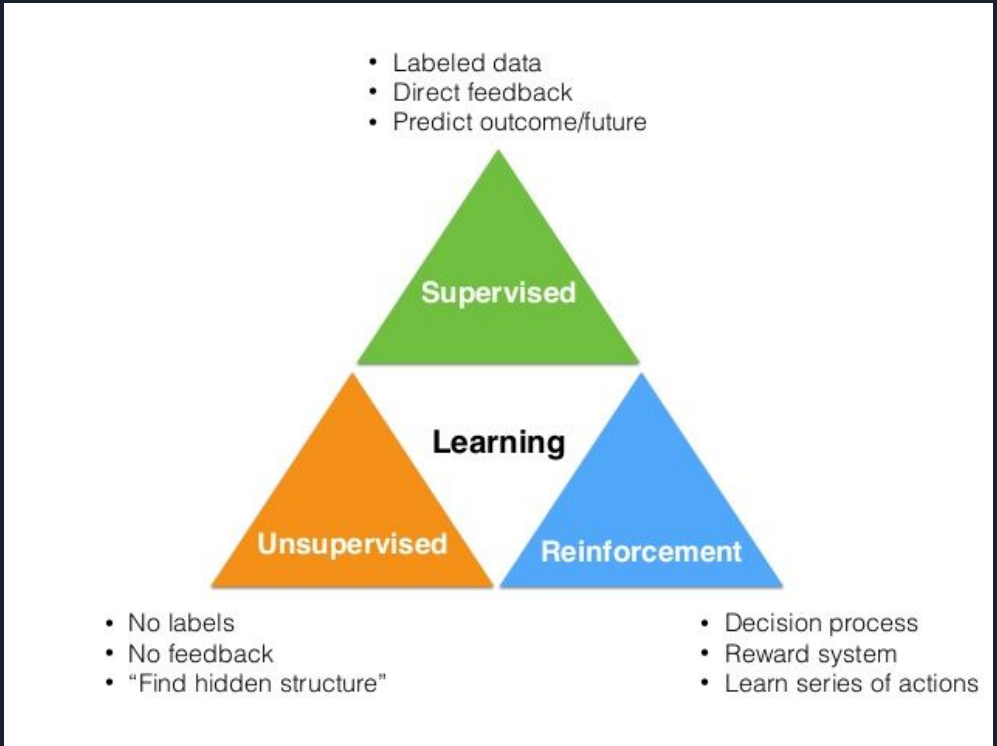
Prerequisites:

- **Linear Algebra**
- **Probability and Statistics**

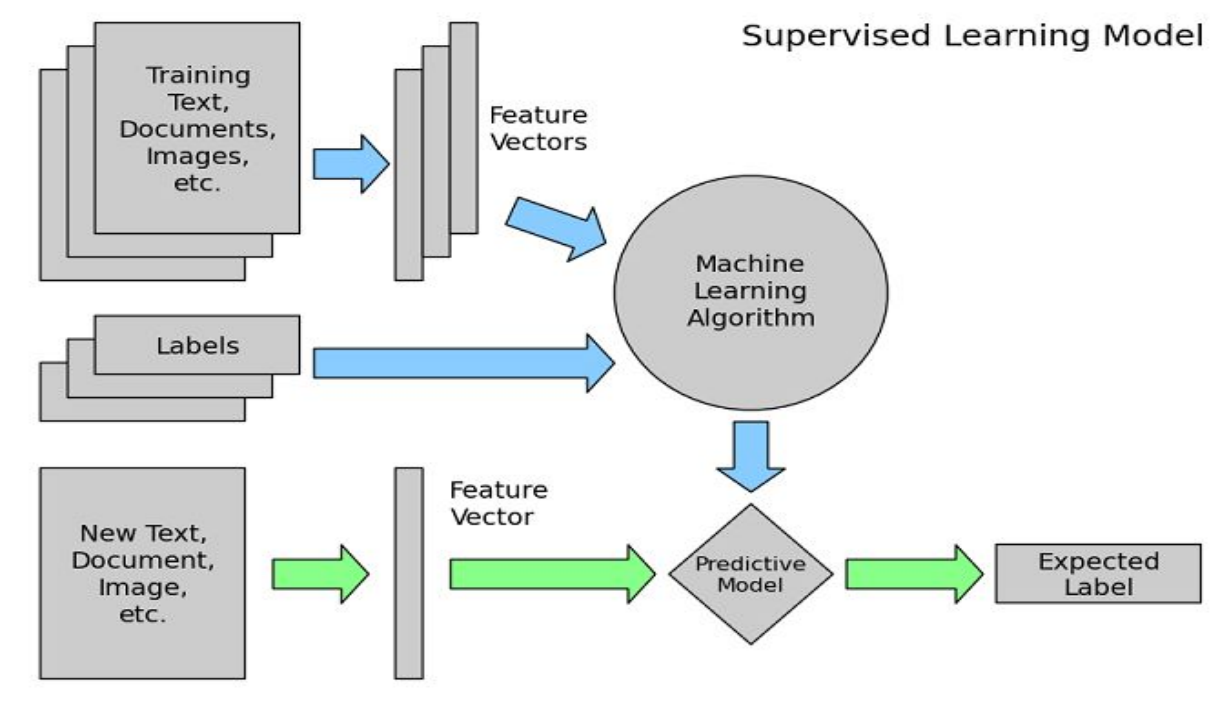




ML can be classified into …



Model Creation flow



Follow this...

Define Problem

Prepare Data

Evaluate Algorithms

Improve Results

Present Results

See example in notes:

"Will AI replace me? The short answer is **NO**."