How to get started with ML ?

By Krupa Galiya

GDG Baroda

About me

Krupa Galiya

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- Learner, PyGirl

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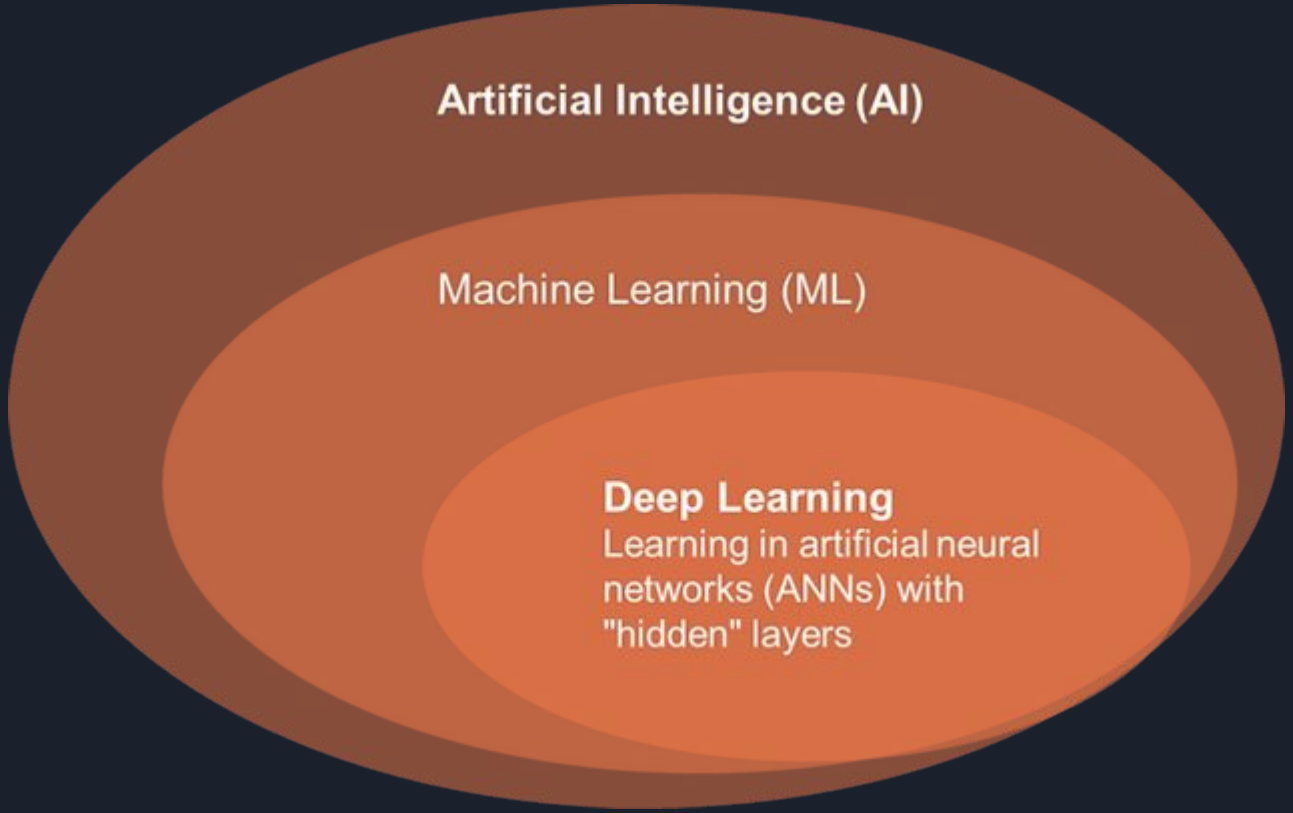
AI , ML and DL



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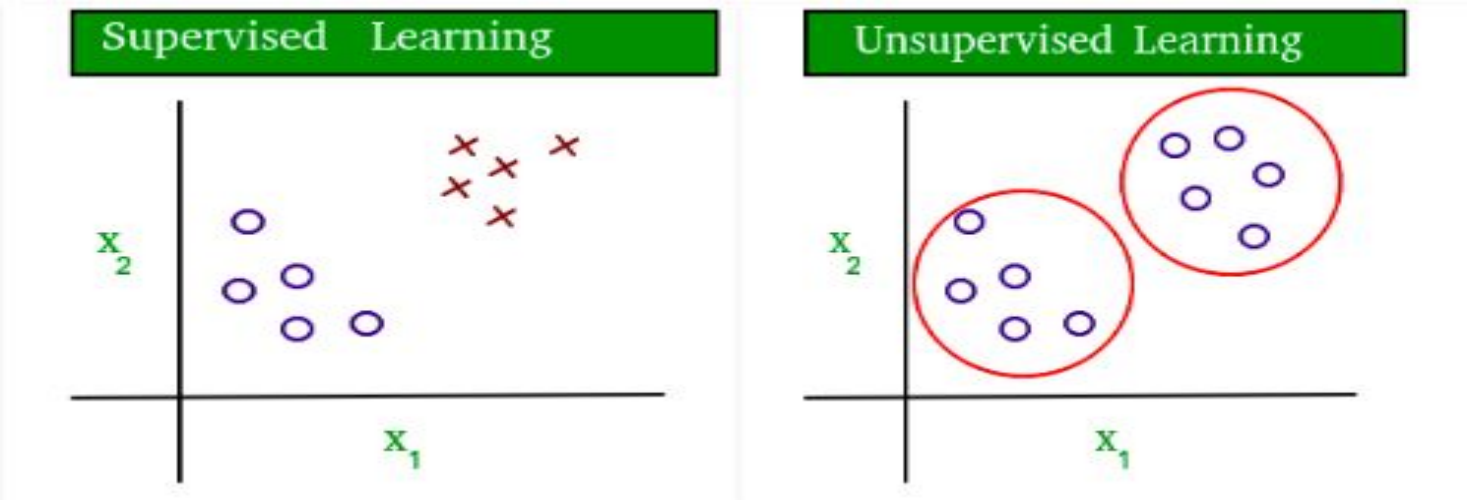
Machine learning algorithms:



Given a Prior Information about data

Prior Information unavailable
Learn by Itself

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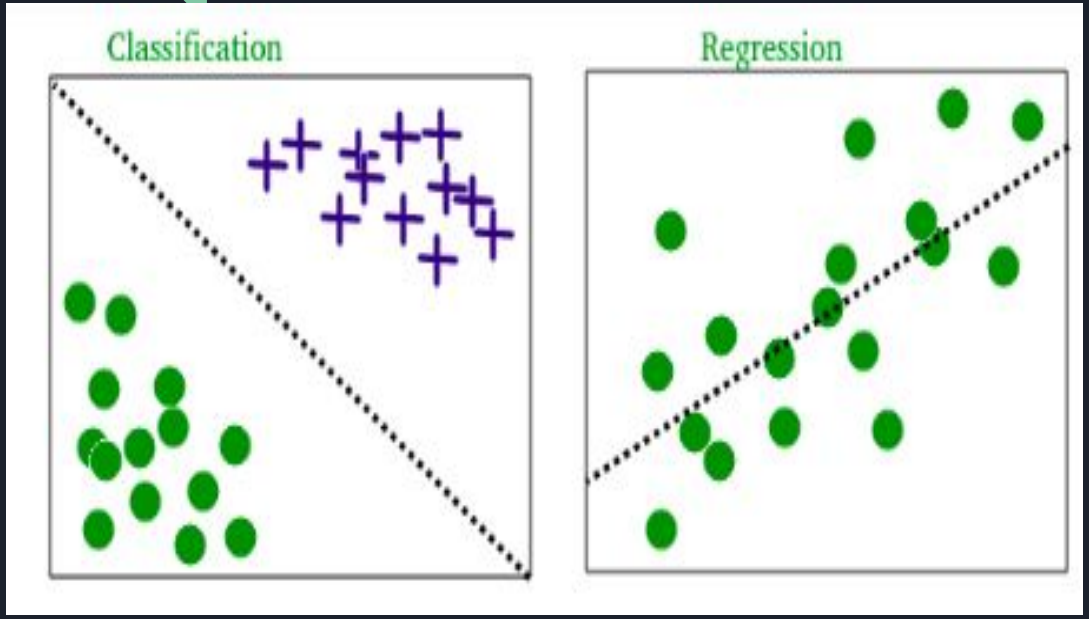
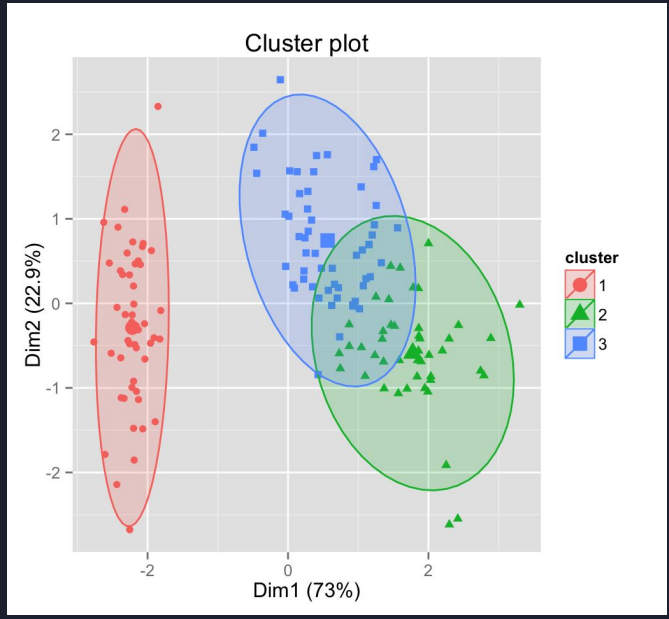
Supervised learning



Map Input variables/features to some discrete value

Map Input variables/features to some Continuous value

Unsupervised learning



Data analysis to find hidden patterns/grouping in data

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Why this is so popular ..?

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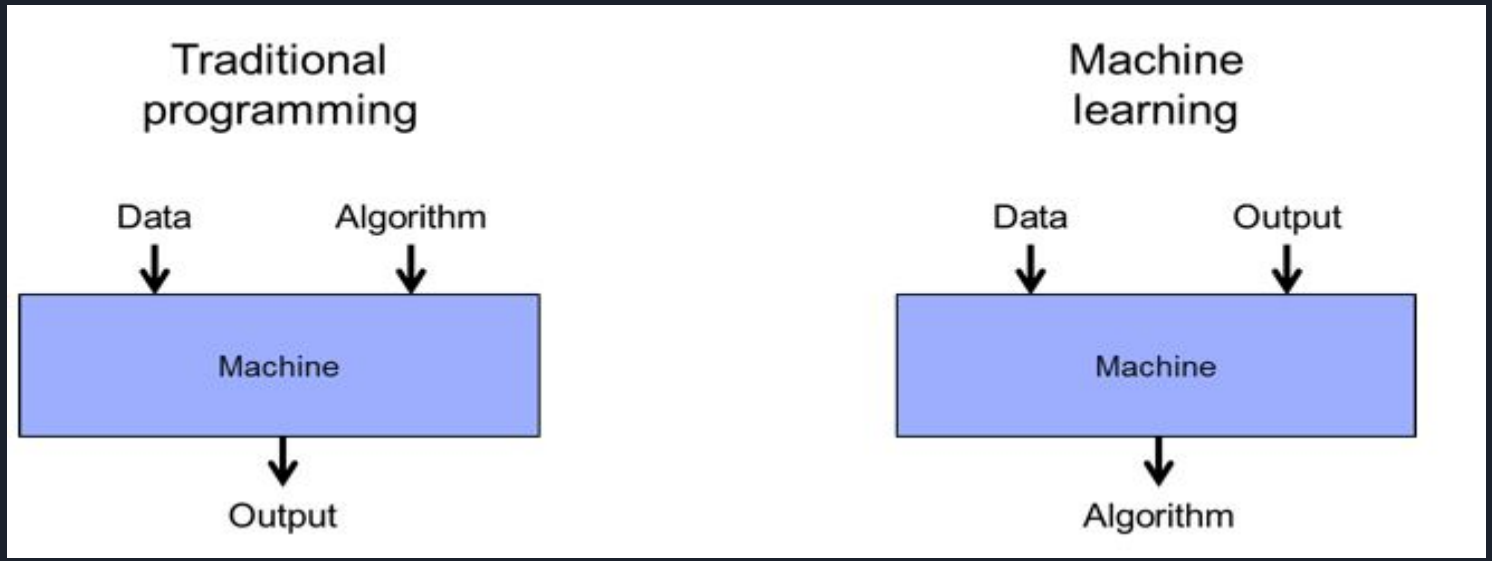
- It combines statistics, life sciences and advanced computing to create computers that think and predict better
- Anything that benefits humans largely has always been popular,having said that ML should definitely be popular



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Wanna start ML/DL....

The *best* way to learn something is, really, a personal thing. The most obvious thing is that it depends on **what you already know**. Moreover, you must consider **what you want to learn**. But, the most important in my opinion is **why you want to learn**.

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Resources

- Prerequisite

1) Programming language(Python or R or JAVA or MATLAB or C++)

2) Mathematics

- Calculus
- Mathematical statistics and Probability
- Basic Linear Algebra
- Graph theory

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Online Courses

1

Machine Learning by Andrew Ng on coursera by Stanford University

(highly recommended)

2

Deep Learning Specialization by Andrew Ng and his team on coursera

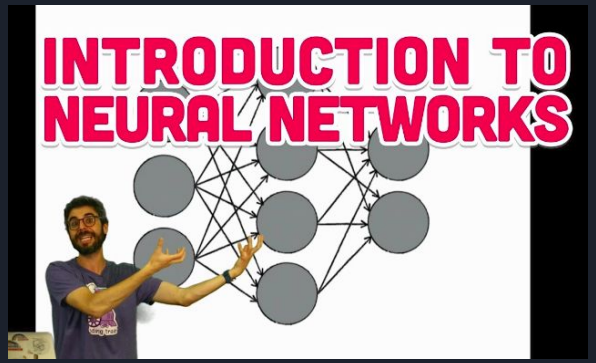
3

Machine Learning A-Z™: Hands-On Python & R In Data Science

YouTube

Google Developers

Sentdex



Jabrils

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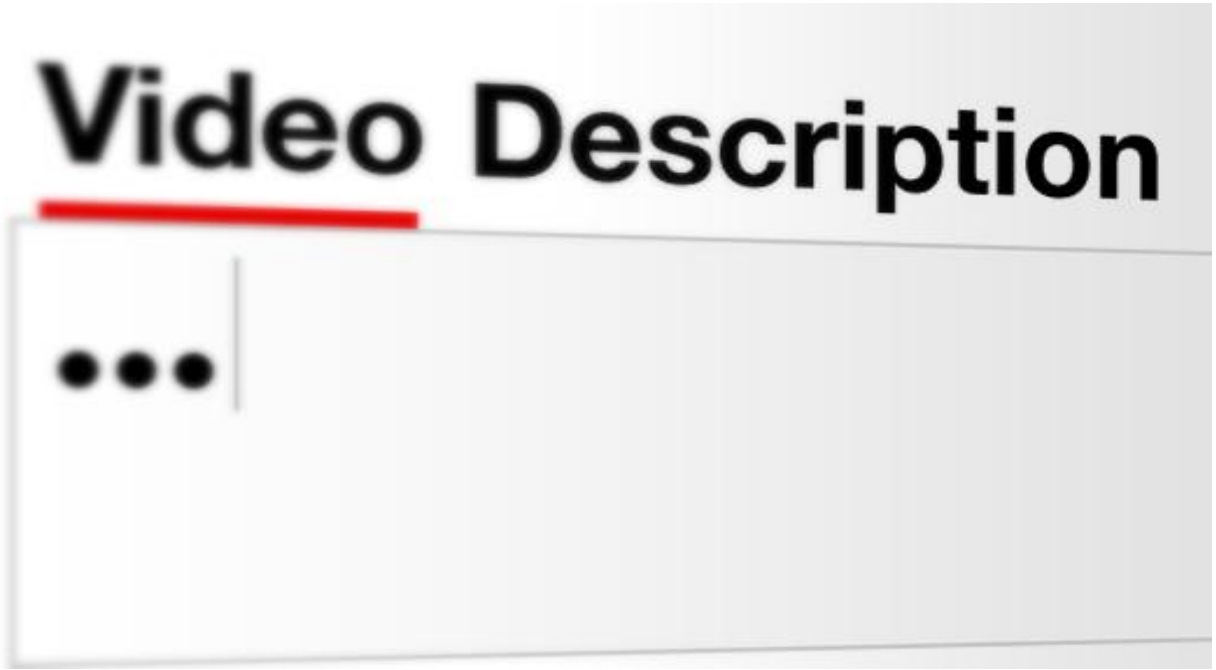
Video Description
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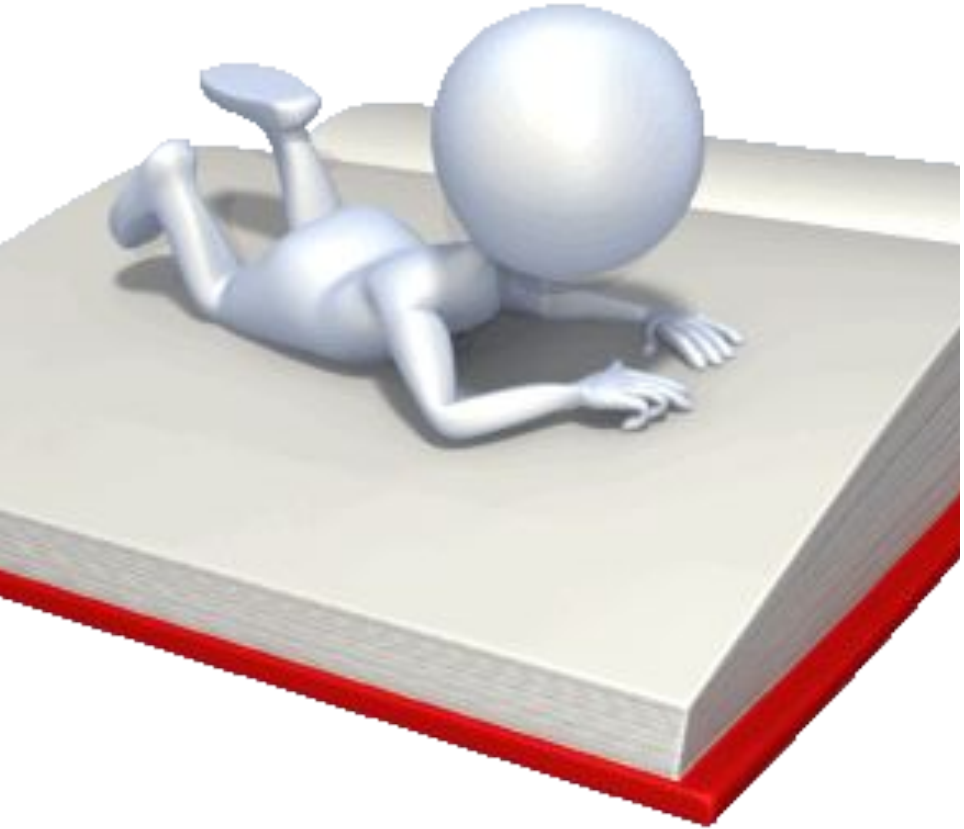
OPTIONAL



Some best Books

- Introduction to ALGORITHM (3rd Edition) by Cormen
- Deep Learning by Ian Goodfellow
- Make Your Own Neural Network by Tariq Rashid

Towards
Data Science

Keep updated by Blogs and websites

Don't forgot to read and understand *RESEARCH PAPER.*

Try kaggle competition

Select datasets to work on and practice the process

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ML Applications

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All links

https://goo.gl/3L9cGu

or

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