

All sources:

https://vas3k.com/blog/machine_learning/?ref=hn

Basic terms

regression predicting a value based on known historical data

Giving the machine some data, it will find hidden patterns and predict results.

How to collect data: manually and automatically.

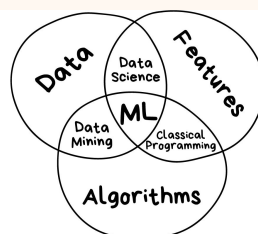
Features: parameters or variables, the factors for a machine to look at.

Algorithms: Any problem can be solved differently. The method you choose affects the precision, performance, and size of the final model.

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Three components of machine learning



Learning vs Intelligence

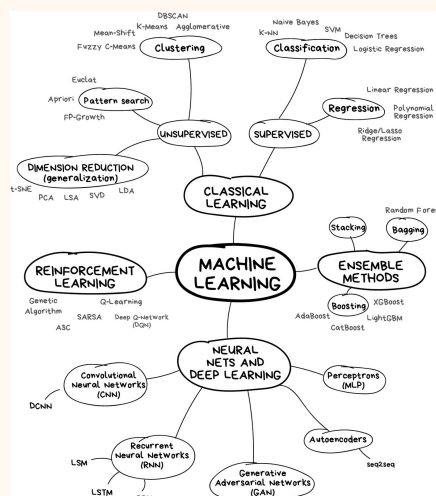
Artificial intelligence is the name of a whole knowledge field, similar to biology or chemistry.

Machine Learning is a part of artificial intelligence. An important part, but not the only one.

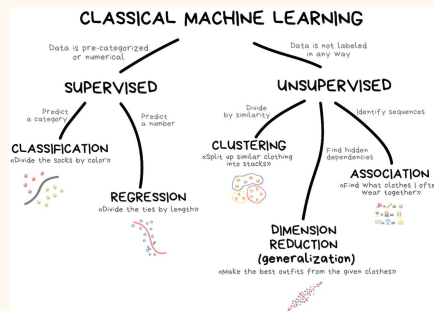
Neural Networks are one of machine learning types. A popular one, but there are other good guys in the class.

Deep Learning is a modern method of building, training, and using neural networks. Basically, it's a new architecture. Nowadays in practice, no one separates deep learning from the "ordinary networks". We even use the same libraries for them.

Map



Classical Machine Learning



By Sara (lasago)
cheatography.com/lasago/

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