

# Machine Learning Study Plan

This doc describes a study plan to learn more about Machine Learning. The goal is to work professionally with Machine Learning.

## Background

I'm a professional, self-taught, no CS-degree front-end web programmer for 5+ years. I am improving my fundamental math skills by working through the KhanAcademy lessons, and I am currently on Precalculus. The math study plan ends with the linear algebra lessons found on KhanAcademy.

## Gantt

The following gantt chart will describe the timeline of the Study Plan. It only includes Math subjects currently, but will include machine learning courses after more evaluation.

Timeline			
Titolo	Date	Assegnato a	Descrizione
Precalculus	16 apr 2019 - 1 mag 2019		
Statistics and Probability	2 mag 2019 - 29 mag 2019		
AP Calculus AB	30 mag 2019 - 28 giu 2019		
AP Calculus BC	29 giu 2019 - 4 ago 2019		
AP Statistics	5 ago 2019 - 28 ago 2019		
Multivariable Calculus	29 ago 2019 - 5 set 2019		
Differential Equations	6 set 2019 - 10 set 2019		
Linear Algebra	11 set 2019 - 15 set 2019		

# Resources

Below are some resources I am considering in studying more about ML.

## Math

- [KhanAcademy](#) - World of Math Mission
- Early Math → Linear Algebra

## Machine Learning/Deep Learning

### Udacity

I am strongly considering taking the following courses in the numbered order:

1. [AI programming with Python](#)
2. [Machine Learning Engineer](#)
3. [Data Structures and Algorithms](#)
4. [Deep Learning](#)
5. [Computer Vision](#)
6. [Natural Language Processing](#)
7. [Deep Reinforcement Learning](#)
8. [Artificial Intelligence](#)
9. [Artificial Intelligence for Trading](#)

### Coursera

I've also heard these courses are useful

- [Machine Learning](#)
- [AI For Everyone \(Deeplearning.ai\)](#)

### Others

- [Fast.ai](#)
- [Top-down learning path: Machine Learning for Software Engineers](#)
- [How To Become A Machine Learning Engineer: Learning Path](#)
- <https://machinelearningmastery.com/get-started-machine-learning/>