

# How would you advise me if I want to start studying Machine Learning?

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I am interested in Machine Learning (especially in terms of application with the Computer Vision). How would you guys advise me to get it started with?

For start, as an engineering background student, I do believe I already have all of the basic knowledge needed (maybe just need to recall and polish it a bit here and there). Since I am quite busy right now, I want to slowly but constantly learning the Machine Learning with my own pace.

How would you guys advise me? I know some sources like Andrew Ng's course on **coursera** and **machinelearningmastery** but I don't know from where should I start.

Andrew Ng's course looks good to understand the theory behind ML (if it uses Python instead of octave/matlab, it would be more awesome!) and the machinelearningmastery looks good for a more practical use (it kind of have pyimagesearch vibe/style of teaching).

I hope you guys can give some kind of advice to me on this.

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According to the article of **7 Steps to Mastering Machine Learning With Python** ,

Andrew Ng's Coursera course often gets rave reviews for its content; my suggestion, however, is to browse the course notes compiled by a former student of the online course's previous incarnation. Skip over the Octave-specific notes (a Matlab-like language unrelated to our Python pursuits). Be warned that these are not "official" notes, but do seem to capture the relevant content from Andrew's course material. Of course, if you have the time and interest, now would be the time to take Andrew Ng's Machine Learning course on Coursera.

## Unofficial Andrew Ng course notes

I wonder if I should follow this? But I do think that following the original course (with video etc.) should be more effective.

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**Adrian** Chief PyImageSearcher

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If you're serious about studying machine learning then you should absolutely go through Andrew Ng's Coursera course. He does an *excellent* job of explaining the inner workings of popular algorithms and includes theory as well. I would also agree with the KDNuggets article -- skip the programming assignments in Octave or at implement them in Python instead.

Geoffrey Hinton's **Neural Networks for Machine Learning** course just opened up. This is another great course that focuses more heavily on the theory. Unfortunately, Octave is also used here as well.

Jason's books over at **Machine Learning Mastery** take a more code-based look at machine learning. His books are similar an "O'Reilly Cookbook" where given a problem Jason will explain how to solve it using a variety of machine learning tools (Python, R, WEKA, etc.)

My suggestion would be to start with Andrew Ng's course and then supplement that with Jason's books so you can learn how these algorithms are implemented and used in libraries such as scikit-learn.

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As usual Adrian, a quality, informative answer from you. Thanks!