

Machine Learning: Plan of Action

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Timeline

Dates	Topics to be covered
10th May - 17th May	Basics of Python (including numpy, matplotlib and pandas) along with Basics of Linear Algebra
18th May - 24th May	Linear and Logistic Regression
25th May - 29th May	Support Vector Machine
30th May - 5th June	(Midsems)
6th June - 7th June	Principal Component Analysis and K-means clustering
8th June - 12th June	Decision Trees (with Bagging and Boosting)
13th June - 15th June	Midsummer Report
16th June - 20th June	Neural Networks
21st June - 25th June	Convolutional Neural Networks
27th June - 1st July	(Endsems)
2nd July - 4th July	Recurrent Neural Networks
5th July - 7th July	Autoencoders
8th July - 11th July	Recommender Systems
12th July - 15th July	Final Report

References

1. [A basic ML course with minimal maths to get started with](#)
2. [A five-course deep learning specialization by Coursera](#)
3. [This is an advanced course on Machine Learning by Cornell University with a good amount of focus on maths](#)

4. [Tensorflow tutorial page](#) has numerous implemented examples
5. Follow this lecture series for learning Support Vector Machine (SVMs) and other topics which you find to be good in this series