Machine Learning: Plan of Action

Ashwin Abraham

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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