

Documentation-Mail Classifier

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1 Week 1(20-27th may)

Learnt the basics of Python from the online book 'Learn Python the Hard Way'.

- Command line crash course-list of commands and what they do,Paths,Folders,directories.
- Printing,adding comments,numbers and maths,variables,python format characters,strings and texts,escape sequences,input methods,parameters,unpacking variables.

2 Week 2(28th may- 4th June)

Continued with learning Python and started the Machine Learning course by Andrew Ng.

- Python-Reading and writing files,Functions,Boolean logic,if and else statements,loops and lists,for loops, while loops,accessing elements of lists ,doing things to lists -split,join,pop etc,dictionaries,modules, classes and objects.
- ML - What is machine learning, supervised learning, unsupervised learning, model representation,linear regression with one variable,cost function,gradient descent,gradient descent algorithm,gradient descent for linear regression,MATLAB Tutorial(Not required),Octave tutorial(Not required),Multivariate linear regression,gradient descent for multiple variables,feature scaling,mean-normalization,learning rate.

3 Week 3(5th,6th June)

Continued with Andrew Ng's ML course

- Polynomial regression,,computing parameters analytically,classification and representation, hypothesis representation,interpretation of hypothesis output,decision boundary-linear and non linear,logistic regression model.