

2017 Summer Young Data Science for High School

Python

Instructor: Mr. Murali Krishnan Navaneetha Krishnan

Class: July 17, 2017 ~ July 20, 2017

Class room: South Hall 136

Text: Lab material will be provided (No Textbook)

Contents : This course is an introduction to Computer Science. It will cover all major aspects of Python programming as well as data analytics packages.

Schedule

Lecture	Date	Covered Topics	Comments
0	Preview	Python Setup and Test	
1	July 17	Introduction to Interactive Development using Jupyter Notebook Introduction to Variables, Strings, and Numbers	
2	July 18	Introduction to Lists and Tuples Introduction to Functions	
3	July 18	Controlling Program Flow and Logic using If-Statements Controlling Program Flow and Logic using Loops	
4	July 19	Introduction to Terminal/Consol Applications Python Dictionaries	
5	July 20	Functions Arguments and Returns Object Oriented Programming	
6	July 20	Neural Networks and Convolutional Neural Networks (Deep Learning)	