Program Schedule
Applied Data Science Bootcamp
Orientation Date: October 18, 2020

IDSS
MIT INSTITUTE FOR DATA, SYSTEMS, AND SOCIETY

In collaboration with
greatlearning
Power Ahead

Module	Week	Week Ending	Topic	Faculty/ Mentor	Faculty Session Date	Faculty Session Time	Mentored Learning Session Weekend	Assessment Deadline
Foundations for Data Science	1	October 25, 2020	Python Foundations	Assigned Mentor			October 24, 2020	
	2	November 1, 2020	Statistics Foundations	Assigned Mentor			October 31, 2020	November 1, 2020
Data Analysis & Visualization	3	November 8, 2020	Exploratory data analysis and Visualization	Caroline Uhler	November 2, 2020	10 am - 12 pm ET	November 7, 2020	November 8, 2020
			Introduction to Unsupervised learning	Caroline Uhler	November 4, 2020	10 am - 12 pm ET		
			Networks	Caroline Uhler	November 6, 2020	10 am - 12 pm ET		
Machine Learning	4	November 15, 2020	Regression: Linear	John Tsitsiklis	November 9, 2020	10 am - 12 pm ET	November 14, 2020	November 15, 2020
			Classification: Logistic	John Tsitsiklis	November 11, 2020	10 am - 12 pm ET		
			Model evaluation: cross validation	John Tsitsiklis	November 13, 2020	10 am - 12 pm ET		
Practical Data Science	5	November 22, 2020	Decision Trees	Munzer Dahleh	November 16, 2020	10 am - 12 pm ET	November 21, 2020	November 22, 2020
			Random Forest	Munzer Dahleh	November 18, 2020	10 am - 12 pm ET		
			Time Series (Introduction)	Munzer Dahleh	November 20, 2020	10 am - 12 pm ET		
Week 6 - Learning Break								
Deep Learning, Neural Networks & Computer Vision	7	December 6, 2020	Intro to Deep Learning	Stefanie Jegelka	November 30, 2020	10 am - 12 pm ET	December 5, 2020	December 6, 2020
			CNN and Vision	Stefanie Jegelka	December 2, 2020	10 am - 12 pm ET		
Graph Neural Networks			Graph Neural Networks (and Robustness)	Stefanie Jegelka	December 4, 2020	10 am - 12 pm ET		

	Week	Date	Session	Faculty	Session Date	Time	Assessment Start	Assessment End
Recommendation Systems	8	December 13, 2020	Intro to Recommendation	Devavrat Shah	December 7, 2020	10 am - 12 pm ET	December 12, 2020	December 13, 2020
			Matrix	Devavrat Shah	December 9, 2020	10 am - 12 pm ET		
			Tensor (time, hybrid), NN for Recommendation Systems	Devavrat Shah	December 11, 2020	10 am - 12 pm ET		
Project Week	9	December 20, 2020	Complete Module Project work and Assign Capstone Project				December 19, 2020	December 20, 2020
New Year Holidays								
Capstone Project	10	January 9, 2021	Milestone 1	Assigned Mentor			January 9, 2021	January 10, 2021
	11	January 16, 2021	Milestone 2	Assigned Mentor			January 16, 2021	January 17, 2021
	12	January 23, 2021	Presentations	Assigned Mentor			January 23, 2021	

Note

The schedule might change with faculty or mentor availability.

Each module contains a project; Assessments here means either a Quiz or a Project.

Mentored learning session can happen on a Saturday or a Sunday on the weekend.

Some weeks may have more than one mentored learning session basis the learning needs.