

Data Science and Machine Learning

Delivery Schedule

18 Feb 2023

Course	Topic	Content Release Date	Assessment Deadline	Weekend Starting (Sat)	Mentored Learning Session
Prework	Python Programming and Basic Statistics & Probability	Available on enrollment			
Foundations of Data Science	Python for Data Science	16-Feb-2023	26-Feb-2023	25-Feb-2023	Yes
	Statistics for Data Science	23-Feb-2023	5-Mar-2023	4-Mar-2023	Yes
	Project 1	23-Feb-2023	5-Mar-2023	-	
Learning Break				11-Mar-2023	
Making Sense of Unstructured Data	Introduction, Clustering, Spectral Clustering, Components, and Embeddings	2-Mar-2023	19-Mar-2023	18-Mar-2023	Yes
	Learning Break w/ Hands-on Masterclass 1			25-Mar-2023	
Regression and Prediction	Classical Linear and Nonlinear Regression and Extensions, Modern Regression with High-Dimensional Data, The Use of Modern Regression for Causal Inference	16-Mar-2023	2-Apr-2023	1-Apr-2023	Yes
Learning Break w/ Hands-on Masterclass 2				8-April-2023	
Classification and Hypothesis Testing	Hypothesis Testing and Classification	30-Mar-2023	16-Apr-2023	15-Apr-2023	Yes
	Project 2	30-Mar-2023	16-Apr-2023	-	
	Learning Break w/ Hands-on Masterclass 3			22-Apr-2023	
Deep Learning	Deep Learning	13-Apr-2023	30-Apr-2023	29-Apr-2023	Yes
Recommendation Systems	Recommendations and Ranking, Collaborative Filtering, Personalized Recommendations	27-Apr-2023	7-May-2023	6-May-2023	Yes
	Project 3	27-Apr-2023	7-May-2023	-	
Networking and Graphical Models	Introduction, Networks, Graphical Models	4-May-2023	-	13-May-2023	Optional Masterclass
Self-paced Modules					
Predictive Analytics	Predictive Modeling for Temporal Data, Feature Engineering	11-May-2023	-	20-May-2023	Optional Masterclass
	Hackathon	26-May-2023	28-May-2023		
	Closing Ceremony				

Note:

The schedule is subject to change based on any improvements in the program structure or the availability of the mentor.

Assessment here means either a Quiz or a Project.

Mentored learning sessions and additional sessions will either happen on a Saturday or a Sunday on the weekend.

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