



Applied Data Science Program - Delivery Schedule											PROFESSIONAL EDUCATION				
Course #	Course	Topic	Session Faculty	Session Date	Session Time	Session Type	Attendance Points	Assessment Type	Assessment Deadline						
0	Pre-work	Introduction to Python	Great Learning Mentor	Nov 4, 2023	9AM - 11AM EST	Optional Live Weekend Preparatory Session with an Industry Expert	No	NA	NA						
	Introduction to Data Science & AI	Intro to the World of Data Science		Nov 11, 2023	11AM - 1PM EST										
		The Must-Know Mathematics & Statistics Behind DS		Nov 18, 2023	3PM - 5PM EST										
	Pre-work	Introduction to Python [Repeat Session]		Dec 2, 2023	10:30AM - 12:30PM EST										
	Introduction to Data Science & AI	Intro to the World of Data Science [Repeat Session]		Dec 9, 2023	2PM - 4PM EST										
		The Must-Know Mathematics & Statistics Behind DS [Repeat Session]		Dec 16, 2023	To be Announced										
	Generative AI	Generative AI		Jan 6, 2024	To be Announced										
	Program Overview	Program Orientation		Great Learning Program Office	Jan 13, 2024					To be Announced					
Pre-work	Introduction to Python [Repeat Session]	Great Learning Mentor	Jan 14, 2024	To be Announced											
1	Foundations for Data Science	Python Foundations	Great Learning Mentor	Jan 20, 2024 or Jan 21, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes	Quiz Assessment	Jan 22, 2024						
		Stats Foundations		Jan 27, 2024 or Jan 28, 2024	To be Announced			Quiz + Project Assessment	Jan 29, 2024						
2	Data Analysis & Visualization	Exploratory Data Analysis and Visualization	Prof. Caroline Uhler	Jan 29, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Feb 5, 2024						
		Networks		Jan 31, 2024	09:30 am - 11:30 am ET										
		Introduction to Unsupervised learning	Great Learning Mentor	Feb 2, 2024	09:30 am - 11:30 am ET	Live Weekend Mentored Learning Session with an Industry Expert	Yes								
		Data Exploration and Networks		Feb 3, 2024	To be Announced										
		Unsupervised Learning		Feb 4, 2024	To be Announced										
3	Machine Learning	Introduction to Supervised Learning: Regression	Prof. John Tsitsiklis	Feb 5, 2024	12:00 pm - 02:00 pm ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Feb 12, 2024						
		Model Evaluation: Cross-Validation & Bootstrapping		Feb 7, 2024	12:00 pm - 02:00 pm ET										
		Introduction to Supervised Learning: Classification		Feb 9, 2024	12:00 pm - 02:00 pm ET										
		Introduction to Supervised Learning and Regression	Great Learning Mentor	Feb 10, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes								
		Introduction to Supervised Learning and Classification		Feb 11, 2024	To be Announced										
Revision Week 1		Conceptual Revision Session 1	Great Learning Mentor	To be Announced		Optional Live Session with an Industry expert	No	NA	NA						
		Case Study Revision Session 1													
		Office Hours: Code Debugging Session 1													
5	Deep Learning	Intro to Neural Networks	Prof. Stefanie Jegelka	Feb 19, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Mar 4, 2024						
		Convolutional Neural Networks		Feb 21, 2024	09:30 am - 11:30 am ET										
		Graph Neural Networks		Feb 23, 2024	09:30 am - 11:30 am ET										
		Introduction to Deep Learning	Great Learning Mentor	Feb 24, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes								
		Convolutional Neural Networks		Feb 25, 2024	To be Announced										
4	Practical Data Science	Decision Trees	Prof. Munzer Dahleh	Feb 26, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Feb 26, 2024						
		Random Forest		Feb 28, 2024	09:30 am - 11:30 am ET										
		Time Series (Introduction)		Mar 1, 2024	09:30 am - 11:30 am ET										
		Decision Trees and Random Forest	Great Learning Mentor	Mar 2, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes								
		Time Series		Mar 3, 2024	To be Announced										
6		Recommendation Systems	Intro to Recommendation Systems	Prof. Devavrat Shah	Mar 4, 2024	09:30 am - 11:30 am ET	Weekday Live Virtual Class with MIT Faculty	No	Quiz Assessment	Mar 11, 2024					
			Matrix		Mar 6, 2024	09:30 am - 11:30 am ET									
			Tensor, NN for Recommendation Systems		Mar 8, 2024	09:30 am - 11:30 am ET									
	Recommendation Systems Part 1		Great Learning Mentor	Mar 9, 2024	To be Announced	Live Weekend Mentored Learning Session with an Industry Expert	Yes								
	Recommendation Systems Part 2			Mar 10, 2024	To be Announced										
Revision Week 2			Conceptual Revision Session 2	Great Learning Mentor	To be Announced		Optional Live Session with an Industry expert	No	Elective Project Assessment	Mar 14, 2024					
			Case Study Revision Session 2												
			Office Hours: Code Debugging Session 2												
7	Capstone Project	Capstone Briefing Session	Great Learning Mentor	To be Announced		Optional Live Session with an Industry expert	No	Capstone Milestone Project Submission	March 28, 2024						
		Milestone QnA Session													
		Capstone QnA Session													
		Capstone Live Presentations													
8	ChatGPT and Generative AI	Transformers, Large Language Models	Self-paced Learning Module												
Great Learning Events			An optional Hackathon and a Program Completion Ceremony will be organized by Great Learning Program Office post completion of the program												
Please note: -Preparatory sessions are optional sessions conducted by Great Learning before program commencement. -Preparatory sessions does not consist attendance points but helps learners to prepare for the program. -The schedule is subject to change based on the availability of the MIT faculty. -Week 1 & 2 shall consist of 1 mentored learning session either on Saturday or Sunday. -Week 3 to 8 shall consist of 2 mentored learning sessions both on Saturday & Sunday -Capstone sessions during week 10-12 shall consist of 1 session either on Saturday or Sunday -Optional revision sessions will be conducted during the revision weeks. -Timing for the weekend mentored learning sessions will be shared after the program orientation.															

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