

DSC478: Tentative Schedule

DATE	TOPIC	ASSIGNMENTS
Week 1, 1/8	<ul style="list-style-type: none">• Syllabus, Goals & Overview of the course• Overview of Machine Learning• Data Preparation & Preprocessing	Hm.0 assigned
Week 2, 1/15	<ul style="list-style-type: none">• Understanding Characteristics of Data• More on Data Analysis & Visualization in Python	Hm.0 is due
Week 3, 1/22	<ul style="list-style-type: none">• Measures of Proximity• k-Nearest-Neighbor Algorithms	Hm.1 is assigned
Week 4, 1/29	<ul style="list-style-type: none">• Classification & Regression• Text Categorization	Hm. 1 is due
Week 5, 2/5	<ul style="list-style-type: none">• Classification (Continued)• Personalization & Recommender Systems	Hm. 2 is assigned Final Project Proposal Due
Week 6, 2/12	<ul style="list-style-type: none">• Regression Analysis• Model Selection & Optimization	Hm. 2 is due
Week 7, 2/19	<ul style="list-style-type: none">• Clustering• Principal Component Analysis	Hm. 3 is assigned
Week 8, 2/26	<ul style="list-style-type: none">• Singular Value Decomposition• Matrix Factorization	Hm. 3 is due
Week 9, 3/5	<ul style="list-style-type: none">• Association Rule Mining• Ensemble Methods	Hm. 4 is assigned
Week 10, 3/12	<ul style="list-style-type: none">• Industry Guest Speaker• Course Highlights / Summary	Hm. 4 is due
Week 11, 3/19	<ul style="list-style-type: none">• Final Project Submissions **Do Not Meet in Class**	Project Due