

Lec	Week	Day	Date	Topics	Homework		Project	
					Released	Due	Released	Due
1		M	3-Jan	Syllabus, Setting up tools (Anaconda, Jupyter-lab, VS code, Github)				
		T	4-Jan	Hello PIC 16A	HW1			
2	1	W	5-Jan	Objects, Names, Data types				
		R	6-Jan	built-in functions				
3		F	7-Jan	More data types: sets (set, frozenset), mapping (dict)				
4		M	10-Jan	Iteration, Control flow, Functions I	HW2			
		T	11-Jan	tic-tac-toe				
5	2	W	12-Jan	Functions II				
		R	13-Jan	rideshare	HW1			
6		F	14-Jan	Object Oriented Programming (OOP): classes I, Magic methods				
		M	17-Jan	CANCELED - MLK Jr. Day	HW3			
		T	18-Jan	primes				
7	3	W	19-Jan	Classes II, Inheritance				
		R	20-Jan	recipe	HW2			
8		F	21-Jan	Iterators, Generators				
9		M	24-Jan	Exceptions (try-except, traceback)	HW4		Project details	
		T	25-Jan	pantry				
10	4	W	26-Jan	Array and Matrix operation (numpy)				
		R	27-Jan	numpy I				
11		F	28-Jan	Modules, Packages				
12		M	31-Jan	Image processing (numpy)	HW3			
		T	1-Feb	numpy II				
13	5	W	2-Feb	IO (input/output)				
		R	3-Feb	midterm review	HW4			
14		F	4-Feb	Data visualization (matplotlib)				
		M	7-Feb	MIDTERM				
		T	8-Feb	times-series-visualization	HW5			
15	6	W	9-Feb	Data wrangling (pandas)				
		R	10-Feb	penguins I				
16		F	11-Feb	Project managing tools (Git, command lines)				Proposal
17		M	14-Feb	Machine learning (scikit-learn) I	HW6		Feedback	
		T	15-Feb	penguins II				
18	7	W	16-Feb	Machine learning (scikit-learn) II				
		R	17-Feb	penguins III	HW5			
19		F	18-Feb	Machine learning (scikit-learn) III				Checkpoint (optional)
		M	21-Feb	CANCELLED - President's Day	HW7		Feedback	
		T	22-Feb	[work on project]				
20	8	W	23-Feb	Machine learning (scikit-learn) IV				
		R	24-Feb	[work on project]				
21		F	25-Feb	Limits of ML, Computing and ethics, Algorithmic bias	HW6			Checkpoint (HW6)
22		M	28-Feb	Natural language processing (nltk) I			Feedback	
		T	1-Mar	topic-modeling				
23	9	W	2-Mar	Natural language processing (nltk) II				
		R	3-Mar	sentiment-analysis	HW7			
24		F	4-Mar	Regex				Checkpoint (optional)
25		M	7-Mar	[work on project]			Feedback	
		T	8-Mar	hamlet				
26	10	W	9-Mar	[work on project]				
		R	10-Mar	[work on project]				
		F	11-Mar	Final exam review				Final submission