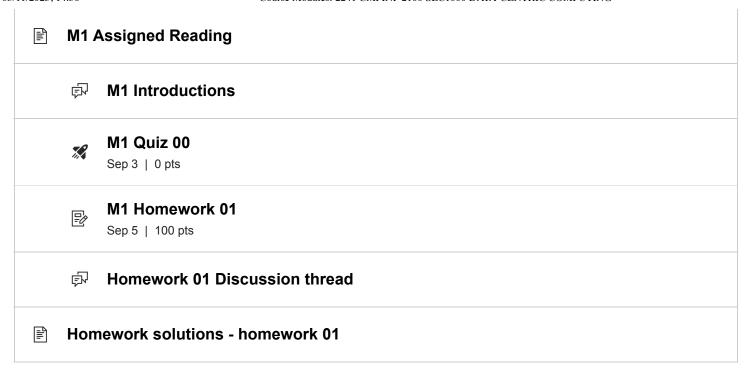
Collapse All

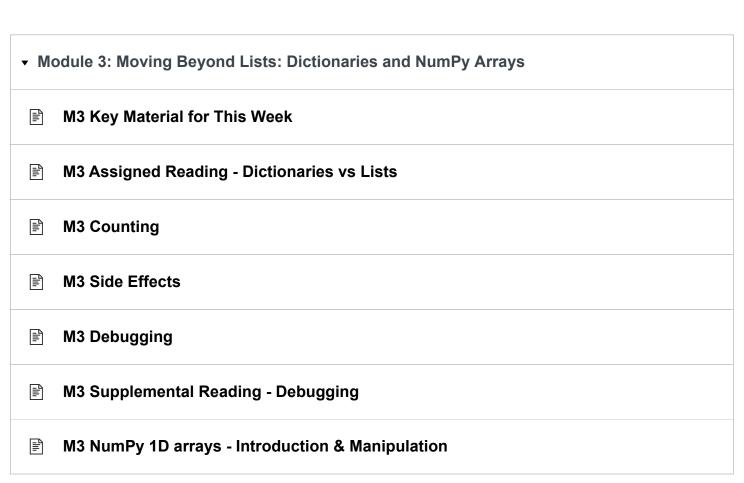
⊕ Export Course Content

- ▼ Books and resources
 ☑ CMPINF 2100: Books and Resources
 ☑ Technical Support
 ☑ University Resources
 ☑ Canvas App
- **▼** Final Project Information
- Projects Overviews and presentations
- **▼** Module 1: Course Introduction
- M1 Key Material for This Week
- M1 Course Overview and Administration
- M1 Course Goals
- M1 Download Software and Environment Setup
- **M1 Introduction to Python Programming**

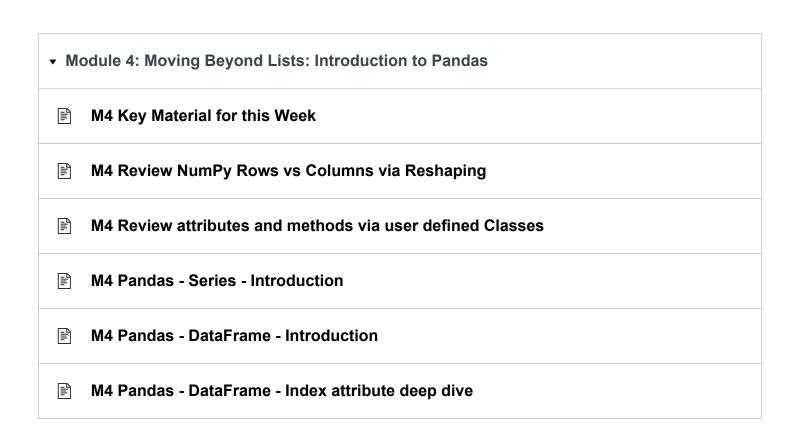


▼ Module 2: Working with Lists and Introduction to Randomness
M2 Key Material for This Week
M2 Assigned Reading—Data Types, Methods, and Attributes
M2 Controlling Randomness
M2 Assigned Reading - User Defined Functions
M2 Can We Trust the Average? (Part 1)

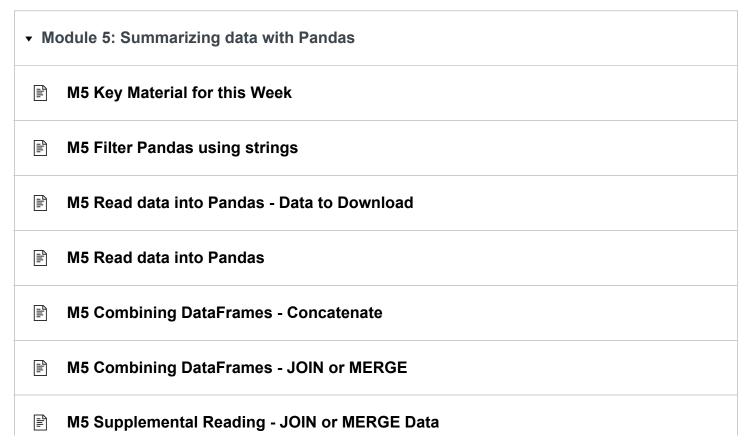
M2 Supplemental Reading—Simulating the Average		
M2 Can We Trust the Average (Part 2) - Why Does This Matter?		
ĘJ	Homework 02 Discussion thread	
	M2 Homework 02 Sep 12 100 pts	
X	M2 Quiz 01 Sep 10 60 pts	
	Vave 1 - Review group 02 - Please use the Discussion thread to liscuss the important topics about this week	
M2	- Student created review - Week 02	
Hon	nework solutions - homework 02	



	M3 NumPy 2D arrays - Introduction & Manipulation
ÎII.	M3 NumPy random number generators
A.	M3 NumPy simulation of the standard error on the mean
	M3 Homework 03 Sep 19 100 pts
	Wave 1 - Review group 03 - Please use the Discussion thread to discuss the important topics about this week
	M3 - Student created review - Week 03
	Homework solutions - homework 03



	M4 Pandas - DataFrame - Selecting, Adding, Deleting Columns AND Selecting, Filtering Rows
Alli.	M4 Visualizing randomness using Pandas methods
Alli.	M4 Supplemental Readings - Pandas
	M4 Homework 04 Sep 26 100 pts
	Wave 1 - Review group 04 - Please use the Discussion thread to discuss the important topics about this week
	M4 - Student created review - Week 04
	Homework solutions - homework 04



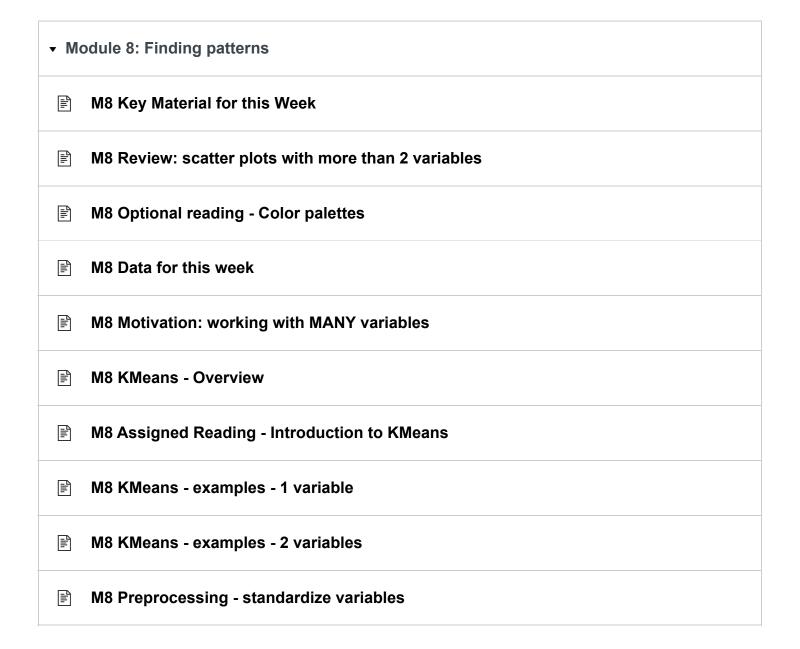
M5 Exploring data with Pandas - Summarize Series
M5 Exploring data with Pandas - Summarize DataFrames
M5 Exploring data with Pandas - Essential Pandas EDA Methods
M5 Exploring data with Pandas - Summarize methods - Summarize by GROUPS - SPLIT APPLY COMBINE
Homework 05 Discussion Thread
M5 Homework 05 Oct 3 100 pts
Wave 1 - Review group 05 - Please use the Discussion thread to discuss the important topics about this week
M5 - Student created review - Week 05
Homework solutions - homework 05

▼ Module 6: Introduction to Visualization
M6 Supplemental readings - matplotlib
M6 Which plot should I use?

	M6 Counting 1 categorical variable
	M6 Distribution of 1 continuous variable
alli.	M6 Counting 2 categorical variables - combinations
	M6 Categorical-to-Continuous relationships
	Homework 06 Discussion Thread
	M6 Homework 06 Oct 10 100 pts
	Wave 1 - Review group 06 - Please use the Discussion thread to discuss the important topics about this week
	M6 - Student created review - Week 06

▼ Module 7: Visualization Continued		
M7 Key Material for this Week		
M7 Review: Point Plots and Confidence Intervals		
M7 Review: Boxplot and its limitations		
M7 Continuous to continuous relationships: scatter plots		
M7 Continuous to continuous relationships: trend plots		
M7 Continuous to continuous relationships: correlation plots		
M7 Continuous to continuous relationships: pairs plots		

	M7	Supplemental Reading - Correlation coefficient visualizations
	М7	Reshape: melt WIDE to LONG
III.	М7	Optional Reading - Advanced 2D relationship plots
	₽	Homework 07 Discussion Thread
		M7 Homework 07 Oct 17 100 pts



M8 KMeans - examples - Penguins	
Wave 2 - Review group 08 - Please use the Discussion thread to discuss the important topics about this week	
্ন Project proposal discussion thread	
M8 Project Proposal Oct 24 100 pts	

