SCHEDULE

📅 COURSE SCHEDULE

Topic	Day	Class	Date	Topic	To do	Due
Unit 1: Introduction	W	1	Aug 18	Introduction	▪ Read chapter 1	
	Th		Aug 19	*No lab*		
	F	2	Aug 20	Cause and Effect	• Read chapter 2	
Unit 2: Python Basics I Manipulating Data	M	3	Aug 23	Tables	• Read chapter 3 • Begin Homework 1	
	T		Aug 24	Lab 1		Lab Quiz 1, Lab 0
	W	4	Aug 25	Data Types	• Read chapters 4 and 5	
	Th		Aug 26	Lab 1		Lab Quiz 1, Lab 0
	F	5	Aug 27	Building Tables	• Read chapter 6 intro, sections 6.1 and 6.2 • Begin Homework 2	
	M	6	Aug 30	Census	• Read sections 6.3 and 6.4	Homework 1
	T		Aug 31	Lab 2		Lab Quiz 2, Lab 1
Unit 3: Python Basics II Manipulating and	W	7	Sep 1	Charts	• Read chapter 7 intro, section 7.1	

Visualizing Data	Th		Aug 19	Lab 2		Lab Quiz 2, Lab 1
	F	8	Sep 3	Histograms	• Read sections 7.2 and 7.3 • Begin Homework 3	Homework 2
	M		Sep 6	*No Class*		
	T		Sep 7	Lab 3		Lab Quiz 3, Lab 2
	W	9	Sep 8	Functions	• Read chapter 8 intro, section 8.1	
	Th		Sep 9	Lab 3		Lab Quiz 3, Lab 2
	F	10	Sep 10	Groups	• Read sections 8.2 and 8.3 • Begin Homework 4	Homework 3
	M	11	Sep 13	Joins	• Read section 8.4	
	T		Sep 14	Lab 4		Lab Quiz 4, Lab 3
	W	12	Sep 15	Review	• Read section 8.5	Homework 4
	Th		Sep 16	Lab 4		Lab Quiz 4, Lab 3
Exam 1	F	13	Sep 17	Exam 1		Take-home Midterm 1
Unit 4: Distributions and Random Sampling	M	14	Sep 20	Iteration	• Read chapter 9 intro, sections 9.1, 9.2, and 9.3 • Begin Homework 5	
	T		Sep 21	Lab 5		Lab Quiz 5, Lab 4
	W	15	Sep 22	Chance	• Read sections 9.5 and 18.1	

	Th		Sep 23	Lab 5		Lab Quiz 5, Lab 4
	F	16	Sep 24	Sampling	• Read chapter 10 intro, sections 10.1 and 10.2	
	M	17	Sep 27	Models	• Read section 10.3, chapter 11 intro, and section 11.1 • Begin Homework 6	Homework 5
	T		Sep 28	Lab 6		Lab Quiz 6, Lab 5
	W	18	Sep 29	Comparing Distributions	• Read section 11.2	
	Th		Sep 30	Lab 6		Lab Quiz 6, Lab 5
Unit 5: Testing Statistical Hypotheses	F	19	Oct 1	Decisions and Uncertainty	• Read sections 11.3, and 11.4	
	M	20	Oct 4	A/B Testing	• Read chapter 12 intro, sections 12.1 and 12.2 • Begin Homework 7	Homework 6
	T		Oct 5	Lab 7		Lab Quiz 7, Lab 6
	W	21	Oct 6	Causality	• Read section 12.3	
	Th		Oct 7	Lab 7		Lab Quiz 7, Lab 6
	F	22	Oct 8	Examples		
Unit 6: Estimation	M	23	Oct 11	Bootstrap	• Read chapter 13 intro, sections 13.1 and 13.2	

Unit	Day	#	Date	Topic	Reading/Homework	Due
	T		Oct 12	Lab 8		Lab Quiz 8, Lab 7
	W	24	Oct 13	Confidence Intervals	• Read sections 13.3 and 13.4 • Begin Homework 8	Homework 7
	Th		Oct 7	Lab 8		Lab Quiz 8, Lab 7
	F	25	Oct 15	Interpreting Confidence Intervals	• Read chapter 14 intro, sections 14.1 and 14.2	
Unit 7: Why the Mean Matters	M	26	Oct 18	Center and Spread	• Read sections 14.3 and 14.4	
	T		Oct 19	*No lab*		
	W	27	Oct 20	Normal Distribution	• Read section 14.5 • Begin Homework 9	Lab 8, Homework 8
	F		Oct 22	*No Class*		
	M	28	Oct 25	Sample Size & Designing Studies	• Read section 14.6	
	T		Oct 26	*No lab*		
	W	29	Oct 27	Review		Homework 9
	Th		Oct 28	*No lab*		
Exam 2	F	30	Oct 29	Exam 2 In-class Portion		Take-home Midterm 2
Unit 8: Predictions	M	31	Nov 1	Correlation	• Read chapter 15 intro, section 15.1	

	T		Nov 2	Lab 9		Lab Quiz 9
	W	32	Nov 3	Linear Regression	• Read section 15.2	
	Th		Nov 4	Lab 9		Lab Quiz 9
	F	33	Nov 5	Least Squares	• Read sections 15.3 and 15.4 • Begin Homework 10	
	M	34	Nov 8	Residuals	• Read section 15.5 and 15.6	
	T		Nov 9	Lab 10		Lab Quiz 10, Lab 9
	W	35	Nov 10	Regression Inference	• Read chapter 16	
	Th		Nov 11	Lab 10		Lab Quiz 10, Lab 9
	F	36	Nov 12	Regression Wrap up	• Read chapter 16 • Begin Homework 11	Homework 10
Unit 9: Predicting Categories	M	37	Nov 15	Classification	• Read chapter 17 intro, sections 17.1, 17.2, and 17.3	
	T		Nov 16	Lab 11		Lab Quiz 11, Lab 10
	W	38	Nov 17	Classifiers	• Read section 17.4	
	Th		Nov 18	Lab 11		Lab Quiz 11, Lab 10
					• Read chapter 18	

	F	39	Nov 19	Decisions	• Read ~~chapter 15~~ • Begin Homework 12	Homework 11
Unit 10: Conclusion	M	40	Nov 22	Predicting Categories Review		
	T		Nov 23	*No lab*		
	W		Nov 24	*No class*		
	F		Nov 26	*No class*		
	M	41	Nov 29	Predicting Numerical Variables Review		Lab 11
	T		Nov 30	*No lab*		
	W	42	Dec 1	Conclusion		Homework 12