Meeting	Date	Topics/Modules	Deliverable
	9/6	*No class (Labor Day)*	
1	9/8	Course introduction	
2	9/13	S1	HW1
3	9/15	P1	
4	9/20	P2	HW2
5	9/22	cont.	
6	9/27	A1	HW3
7	9/29	P3, D1	
8	10/4	S2	HW4
9	10/6	P4, A2	
	10/11	*No class (Indigenous Peoples' Day)*	
10	**10/12**	*Tuesday class* D2	HW5
11	10/13	S3	
12	10/18	P5	Midterm project
13	10/20	S4, D3	
14	**10/25**	*Meeting 9:45–11:30am or 12:45–2:30pm* A3	
15	10/27	S5	
16	**11/1**	*Meeting 9:45–11:30am or 12:45–2:30pm* A3	Ethics report
17	11/3	S6, A4	
18	11/8	A5	HW6
19	11/10	P6	
20	11/15	A6	HW7
21	11/17	cont.	
22	11/22	D4	HW8
23	**11/24**	*Day before Thanksgiving; plan TBA*	
24	11/29	A7	
25	12/1	A8	
26	12/6	Group presentations	Final project
27	12/8	Group presentations	
28	12/13	Wrap-up	Market report
	12/15		Final exam

Modules

Python

Module	Topic	Resources
P1	Introduction to Python	TP 1–3, 8, 10–12 WTP 1–7 CfE Coding 1, 4, 2.1–2.8 PESDA 2, 4, 10 PDA 2.3, 3.1
P2	Control flow and data structures	TP 5–7 WTP 8–14 CfE Coding 2.9–2.17 PESDA 12 PDA 3.2
P3	Data manipulation	PDSH 3 PESDA 8–9, 15 CfE Data 1, 2 PDA 5, 7–8, 10-12
P4	Visualization	PDSH 4.14 Seaborn Tutorial API overview and Plotting functions
P5	Regression and statistics	PESDA 19
P6	Numerical Python	PDSH 2 PDA 4 PESDA 3, 11, 18

Statistics and Inference

Module	Topic	Resources
S1	Introduction to data	IMS 1–3
S2	Exploratory data analysis (EDA)	IMS 4–6
S3	Regression modeling	IMS 7–10
S4	Foundations of inference	IMS 11–15
S5	Statistical inference	IMS 16–23
S6	Inferential modeling	IMS 24–27

Financial Data

Module	Topic	Resources
D1	pandas-datareader	datareader documentation

D2	Bloomberg	TBA
D3	WRDS	WRDS Data documentation, Classroom, Research WRDS Python Data Access Library
D4	Alternative data	TBA

Microsoft Excel

Excel will be used throughout the course, with coverage not divided into explicit modules.

Financial Applications

Module	Topic	Resources
A1	Fixed income	
A2	Equity returns	
A3	Professional ethics	
A4	Foreign exchange	
A5	Factor models	
A6	Capital budgeting	
A7	Derivatives	
A8	Equity portfolios	

This project is maintained by lukestein-classes

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