		•	ics and Emerging Methods in Appli		Dealer Hell 244
	Tuesdays and 1			10:20 - 11:40am	Berkey Hall 214
Neek	Tuesday	Thursday	Topics	Final Project	Assessments
1	August 26	August 28	Course Introduction		
	Class 1	Class 2	R Basics		
	Lecture	Lecture			
2	September 2	September 4	Version Control with GitHub		
	Class 3	Class 4	R Markdown		
	Lecture	Lecture			
3	September 9	September 11	Data Wrangling		Assignment 1 Due
	Class 5	Class 6	Joining Data		Friday, September 1
	Lecture	Lecture			Triday, September 1
4	September 16	September 18	Data Tidying with tidyr		
	Class 7	Class 8	Data Cleaning		
	Lecture	Lecture			
5	September 23	September 25			
	Class 9	Class 10	Data Cleaning, Continued		Assignment 2 Due
	Lecture	Lecture			Friday, September 2
	September 30	October 2			
6	Class 11	Class 12	Data Visualization		
	Lecture	Lecture			
	October 7	October 9	Data Acquisition		
7	Class 13	Class 14	Scraping Static Websites	Proposal Due Friday,	Assignment 3 Due
	Lecture	Lecture	Scraping Dynamic Websites	October 10	Friday, October 10
8	October 14	October 16	Function Writing		Assignment 4 Due
	Class 15 Lecture	<b>Class 16</b> Lecture	Vectorization and Paralellization		Friday, October 31
	October 21	October 23	Data Asquisition through ADIs		
9	No Class - Fall Break	Class 17	Data Acquisition through APIs Intro to Programming		
	NO Class - Fall Dreak	Lecture	Iteration		
	October 28	October 30	Function Writing		
10	Class 18	Class 19	Vectorization and Paralellization		Assignment 4 Due
10	Lecture	Lecture	Intro to Regression		Friday, October 31
	November 4	November 6	Fast Fixed Effects and IV Regression		
11	November 4	November 6	_		
	Class 30	Class 21	Tables and Figures from Regression		
	Class 20		Output Causal Inference Methods in R		
	Lecture	Lecture			
12	November 11	November 13	Synthetic Control Methods in R		Assignment 5 Due
	<b>Class 22</b> Lecture	Class 23 Lecture	Introduction to Spatial Data Vector Data in R		Friday, November 1
12	November 18	November 20	Raster Data in R		
13	Class 24	Class 25	Joining Raster and Vector Data		
	Lecture	Lecture	Spatial Regression Methods Intro to Machine Learning and		
14	November 25	November 27	Classification		
	Class 26	No Class - Holiday	Model Selection and Regularization	Material Submission Due	
	CI055 20	NO Class - Holludy	Regression Trees and Forest-Based	Sunday, November 30	
	Lecture		Methods		
	December 2	December 4	Machine Learning for		
15		December 4			Assignment 6 Due
13	Class 27	Class 28	Causal Treatment Effects		Monday, December
	Lecture	Lecture			