DISCOVERING DATA SCIENCE Su22

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	June 20	**June 21**	**June 22**	**June 23**	**June 24**
Week 1	**No Class (Juneteenth)**	Lecture 1	Lecture 2	Lecture 3	
		Syllabus/Introduction to Project & Introduction to R/RStudio/RMarkdown	DataFrames and Conditionals	Purpose of Data Cleaning and Introduction to Experimental Design	
		Lab Intro	Lab Tidyverse	Lab Mr. Clean	
		Types of Text, Code Cells, Calculator Operations, Printing, Variables	Importing Data Sets, Tidyverse, Row and Column Filtering	How We Clean Data, Experiment Questions, **Week 1 Feedback**	
		Lab Intro Due 11:59 PM	Lab Tidyverse Due 11:59 PM	Lab Mr. Clean Due 11:59 PM	
			Office Hours: 3:00 PM - 5:00 PM		

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
	June 27	**June 28**	**June 29**	**June 30**	**July 1**
Week 2	Lecture 4	Lecture 5	Lecture 6	Lecture 7	
	Experimental Design and Basic Sampling	Plots and Sample Space	Probability Part I (Introduction & Addition Rule)	Probability Part II (Multiplication Rule, Conditional Probability)	
	Lab Finding Data	Lab Visual-Eyes	Lab Probably	Lab Probably II	
	Experimental Design, Experimental vs. Observational, Basic Sampling in R	Histograms, Box Plots, Interpreting Plots	Basic Probability, Addition Rule, Probability in R	Multiplication Rule, Conditional Probability, Independence, Probability in R, **Week 2 Feedback**	
	Lab Finding Data Due 11:59 PM	Lab Visual-Eyes Due 11:59 PM	Lab Probably Due 11:59 PM	Lab Probably II Due 11:59 PM	
	Office Hours: 3:00 PM - 5:00 PM	Office Hours: 3:00 PM - 5:00 PM	Office Hours: 3:00 PM - 5:00 PM		

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Week 3	**July 4**	**July 5**	**July 6**	**July 7**	**July 8**
	No Class (Fourth of July)	Lecture 8	Lecture 9	Lecture 10	
		Random Numbers, Loops/Conditionals, and Custom Functions in R Part I	Custom Functions in R Part II and More Sampling	Distributions (Binomial, Bernoulli, Normal)	
		Lab Polite Customs	Lab Politer Customs	Lab Normal	
		Random Number Generation, Custom Functions in R	More Custom Functions in R	Distributions and Probability Calculations, **Week 3 Feedback**	
		Lab Polite Customs Due 11:59 PM	Lab Politer Customs Due 11:59 PM	Lab Normal Due 11:59 PM	
		Office Hours: 3:00 PM - 5:00 PM	Office Hours: 3:00 PM - 5:00 PM		

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Week 4	**July 11**	**July 12**	**July 13**	**July 14**	**July 15**
	Lecture 11	Lecture 12	Lecture 13	Lecture 14	
	Central Limit Thm., Random Variable, Expected Value and Standard Deviation	Confidence Intervals	Hypothesis Testing	Simple Linear Regression (SLR)	
	Lab Expected CLT	Lab Confidence	Lab Rejections	Lab Simple Model	
	CLT Concepts, Expected Value and Standard Deviation Calculations	Z vs. t, Properties of CI, Creating CI	Z vs. t, Properties of HT, Performing HT	Properties of Linear Models, Creation of LInear Models	
	Lab Expected CLT Due 11:59 PM	Lab Confidence Due 11:59 PM	Lab Rejections Due 11:59 PM	Lab Simple Model Due 11:59 PM	
	Office Hours: 3:00 PM - 5:00 PM	Office Hours: 3:00 PM - 5:00 PM	Office Hours: 3:00 PM - 5:00 PM		Office Hours: 3:00 PM - 5:00 PM

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
Week 5	**July 18**	**July 19**	**July 20**	**July 21**	**July 22**
	Presentation Day 1	Presentation Day 2	**No Class (Final Ceremony)**		
	1) Yashas Mattur	1) Jacob Liu			
	2) Edison Chiu	2) Shreepaad Earanti			
	3) Malachi Mullen	3) Aditya Simhadri			
	4) Stanley Huang	4) Christine Lichauco			
	5) Aijah Welch	5) Fiona Ramsey			
	6) Phillip Nakamura	6) Jonathan Hinojosa			
	7) Zona Noman	7) Rishi Mahadevan			