CS301

	Material	Session	Date	Reading
Tentative schedule, Updated weekly; 6 October 2021				
Week 1	**Introductions to the course**			
		Tuesday	**24 August**	**see slides**
no lab		**Tuesday**	**24**	**handout**
		Thursday	**26**	**see slides**
	Introductions to the course Ethics in analysis and when working with data			
Week 2	**Google Analytics**			
		Tuesday	**31**	**see slides**
Lab 01		**Tuesday**	**31**	**handout**
		Thursday	**2 Sept**	**see slides**
	Ethics, Google Analytics: Basics collection, processing and reporting			
Week 3	**Exploration**			
		Tuesday	**7**	**see slides**
Speaker: Ron Mattocks		**Tuesday**	**7**	**handout**
		Thursday	**9**	**see slides**
	Intro to R, rStudio, visualization Exploratory Analysis			
Week 4	**Exploration**			
		Tuesday	**14**	**see slides**
Lab 02		**Tuesday**	**14**	**handout**
		Thursday	**16**	**see slides**
	Data Type Transformations			
Week 5	**Working with data**			
		Tuesday	**21**	**see slides**
Lab 03		**Tuesday**	**21**	**handout**
Speaker: Yee Mon Thu		**Thursday**	**23**	**see slides**
	Exploration			
Week 6	**Categories and Bins**			
		Tuesday	**28**	**see slides**
no new lab; work day		**Tuesday**	**28**	
		Thursday	**30**	**see slides**
	Tidy Data and Import Coronavirus case analysis			
Week 7				
		Tuesday	**5 Oct**	**see slides**
Lab 04		**Tuesday**	**5**	**handout**
		Thursday	**7**	**see slides**
	Categories and Bins			
Week 8				
		Tuesday	**12**	**see slides**

Event / Topic	Day	Date	Materials
Exam 1	**Tuesday**	**12**	
	Thursday	**14**	**see slides**
Basic Statistics			
Linear Models			
Week 9			
	Tuesday	**19**	**see slides**
Speaker: Lydia Eckstein	**Tuesday**	**19**	**handout**
Break 1	**Thursday**	**21**	
Understanding Regression Models			
Week 10			
	Tuesday	**26**	**see slides**
	Tuesday	**26**	**handout**
	Thursday	**28**	**see slides**
Regression Models			
Week 11			
	Tuesday	**2 Nov**	
Break 2	**Tuesday**	**2**	
	Thursday	**4**	
Multivariate linear models			
Week 12			
	Tuesday	**9**	**see slides**
Speaker: Steve Onyeiwu	**Tuesday**	**9**	**handout**
	Thursday	**11**	**see slides**
Text Analysis			
Week 13			
	Tuesday	**16**	**see slides**
Speaker: Chelsea Peebles (Zoom)	**Tuesday**	**16**	**handout**
Exam 2: During class time	**Thursday**	**18**	**see slides**
Machine Learning			
Week 14			
Thanks Giving Break	**Tuesday**	**23**	
Thanks Giving Break	**Tuesday**	**23**	
Thanks Giving Break	**Thursday**	**25**	
Week 15			
	Tuesday	**30**	**see slides**
	Tuesday	**30**	**handout**
	Thursday	**2 Dec**	**see slides**
End of Class			

Week 16				
	Tuesday	7		
	Tuesday	7		
	Thursday	9		
Presentations Final deliverable Due	Monday	13		