

Outline of EPRS8530 Summer 2020													
Week	Class	Topics	Lecture				Videos			Reading and Activities			Quizzes and Assessment
			#	Title	Time	*Page	#	Title	Time	#	Title	Time	
Week 1 6/8-6/12	1	Foundations of Quantitative Methods Variables, Research Problems Hypotheses	L1010	introP1	9:20	1							Profile due Thurs 6/11 Personal Data due Thurs 6/11
			L1011	introP2	16:27	1							Quiz 0 (not graded) by Thurs 6/11
			L1020	resprob	9:54	2							
			L1030	hyp	15:37	3,4							
					51:18		A101		T101	Math		JC Lectures Ch. 1, 2, 3 Ridley et al. (2005) Suter Ch. 3-5 (Research Concept)	
	2	Research Designs Internal Validity External Validity Experimental, and Correlational Designs	L1040	design	7:12	5,6						JC Lectures Ch 8-11 Suter Ch. 7, 10 (Research Concept)	Quiz 1 (Classes 1 & 2) by Mon 6/15
			L1050	int	16:10	7,8							
			L1060	typeP1	13:17	9							
			L1061	typeP2	7:20	9							
			L1062	typeP3	8:03	9							
					52:02		A102		T102	SPSS			
Week 2 6/15-6/19	3	Summarizing Data Frequency Distributions Graphic Presentations	L1070	freq	16:31	10						**MCC/CC Ch.1 (Main Textbook) CC Appendix 7 MCC/CC Ch. 2-3	Quiz 2 (Class 3) by Thurs 6/18
			L1080	percent	10:24	10						Huck Ch. 2 (Optional Textbook)	
			L1090	graphP1	12:58	11							
			L1091	graphP2	10:23	12							
					50:16		A103		T103	Excel			
	4	Summarizing Data Central Tendency Variability Effect Size	L1100	centP1	12:19	13,14						MCC/CC Ch. 4-5	Summer Assignment 1 due Thurs 6/18 (Descriptive Stat)
			L1101	centP2	6:34	14							
			L1110	var	12:54	15						Rice Virtual Lab, HyperStat Online Thompson's ES Oshima & Domaleski (2006) Ridley et al. (2005) EffectSize.xls	Quiz 3 (Class 4) by Mon 6/22
			L1120	es	10:31	15							
			L1130	spsscentvar	2:58								
			L1140	review1	4:35								
					49:51		A104		T104	Sum			
Week 3 6/22-6/26	5	Summarizing Data Normal Curves z Scores Standard Scores	L1150	norP1	10:15	16						MCC/CC Ch. 6 z table (HyperStat Online)	Quiz 4 (Class 5) by Thurs 6/25
			L1151	norP2	13:53	16,17							
			L1160	ss	10:27	18							
					34:35								
							A105						
	6	Correlation and Regression Pearson's Bivariate Correlation Simple Linear Regression	L1170	corP1	10:45	19						MCC/CC Ch. 7-8 Huck Ch. 3 Rice Virtual Lab, HyperStat Online	Summer Assignment 2 due Thurs 6/25 (Correlation) Quiz 5 (Class 6) by Mon 6/29
			L1171	corP2	13:37	20,21							
			L1172	corP3	6:35								
			L1180	reg	10:45	22							
			L1190	revcor	15:01								
					58:43		A106						
Week 4 6/29-7/3	7	Writing Up Correlational Research											
	8	Exam 1 Tue & Wed 6/30-7/1											
	9	Making Inferences Probability and Sampling	L1200	probP1	12:22	23						MCC/CC Ch.9-10 Huck Ch. 5	Quiz 6 (Class 9) by Mon 7/6
			L1201	porbP2	11:01	23,24							
			L1210	sampP1	15:57	25,26							
			L1211	sampP2	13:27	27							
					52:47		A109						
Week 5 7/6-7/10	10	One-Group Design One-Sample z Test Estimation	L1220	onezP1	11:02	28						MCC Ch. 11,12,17 CC Ch.11,12,19 Huck 6-8 Type I, Type II Errors Mind Your P's and Alphas P and Alpha Handout	Quiz 7 (Class 10) by Thurs 7/9
			L1221	onezP2	8:11	28							
			L1222	onezP3	7:12	29							
			L1230	intest	10:17	30							
					36:42		A110						
	11	One-Group Design One-Sample t Test	L1240	onetP1	9:25	31						MCC/CC Ch. 13 Distribution Tables Student's t Distribution The t Dist Calculator More t-Tests Examples	Summer Assignment 3 due Thurs 7/9 (One Sample t Test) Quiz 8 (Class 11) by Mon 7/13
			L1241	onetP2	11:54	32							
			L1250	onetspss	3:57								
					25:16		A111						
Week 6 7/13-7/17	12	Two-Group Design Independent t Test	L1260	ittestP1	9:40	33						MCC/CC Ch. 14 Huck Ch. 10	Quiz 9 (Class 12) by Thurs 7/16
			L1261	ittestP2	10:49	34							
			L1270	itspss	6:56								
			L1280	itexP1	6:34								
			L1281	itexP2	12:28								
			L1282	itexP3	6:22								
					52:49		A112						
	13	Two-Group Design Dependent t Test Inferences About Correlation Inferences About Frequency Chi-Square Test	L1290	dttestP1	6:55	35,36						MCC Ch. 15,16,20 CC Ch. 15,17,18 Huck Ch. 9 Chi-Square Calculator	Assignment 4 due Thurs 7/16 (Independent t Test) Quiz 10 (Class 13) by Mon 7/20
			L1291	dttestP2	7:14	35,36							
			L1300	dtspss	6:41								
			L1310	hypr	6:09	37							
			L1320	chiP1	7:34	38							
			L1321	chiP2	5:15								
					39:48		A113						
	14	Beyond Two-Group Design One-Way ANOVA	L1330	anova	14:57	39						MCC Ch. 18 CC Ch. 16 Huck Ch. 11 Inferential Statistics (Handout)	
			L1340	anovaex	2:09								
			L1350	anovasps	6:57								
			L1360	sum	14:27								
					38:30		A114						
		Writing Up Experimental/ Quasi-Experimental Research											
Week 7	15	Exam 2 Tue & Wed 7/21 - 7/22											

\* "Page" under Lecture indicates the page # for the overhead (available on my Web.)

\*\* MCC refers to Minium, Clarke, and Coladarci 1999.  
CC refers to Coladarci and Cobb 2014.  
You can use either textbook. Huck is an optional textbook.  
Other reading materials are available  
at <http://coshima.davidrfikis.com/>