

**Outline of EPRS8530 Spring 21**

		Videos						Reading and Activities		Quizzes and Assessment		
		Lecture			Assessment			Tutorial		See my Web page for download:		
Class	Topics	#	Title	Time	*Page	#	Title	Time	#	Title	Time	<a href="http://coshima.davidrjfkis.com/stat_1.htm">http://coshima.davidrjfkis.com/stat_1.htm</a>
1/11-1/15	1 Foundations of Quatitative Methods Variables, Research Problems Hypotheses	L1000	ov									
		L1010	introP1	9:20	1							
		L1011	introP2	16:27	1							
		L1020	resprob	9:54	2							
		L1030	hyp	15:37	3,4							
				<u>51:18</u>		A101		T101	Math		JC Lectures Ch. 1, 2, 3 Ridley et al. (2005) Suter Ch. 3-5 (Research Concept)	Profile due Fri 1/15 Personal Data due Fri 1/15  Quiz 0 (not graded) by Mon 1/18
1/18-1/22	2 Reseach Designs Internal Validity External Validity Experimental, and Correlational Designs	L1040	design	7:12	5,6							
		L1050	int	16:10	7,8							
		L1060	typeP1	13:17	9							
		L1061	typeP2	7:20	9							
		L1062	typeP3	8:03	9							
				<u>52:02</u>		A102		T102	SPSS		JC Lectures Ch 8-11 Suter Ch. 7, 10 (Research Concept)	Assignment 1 due Thurs 1/21  Quiz 1 (Classes 1 & 2) by Mon 1/25
1/25-1/29	3 Summarizing Data Frequency Distributions Graphic Presentations	L1070	freq	16:31	10							
		L1080	percent	10:24	10							
		L1090	graphP1	12:58	11							
		L1091	graphP2	10:23	12							
				<u>50:16</u>		A103		T103	Excel		CC* Appendix 7 CC Ch. 2-3  Huck Ch. 2 (Optional Textbook)	Quiz 2 (Class 3) by Mon 2/1
2/1-2/5	4 Summarizing Data Central Tendency Variability Effect Size	L1100	centP1	12:19	13,14							
		L1101	centP2	6:34	14							
		L1110	var	12:54	15							
		L1120	es	10:31	15							
		L1130	spsscentvar	2:58								
		L1140	review1	4:35								
				<u>49:51</u>		A104		T104	Sum		CC Ch. 4-5  Rice Virtual Lab, HyperStat Online Thompson's ES Oshima & Domaleski (2006) Ridley et al. (2005) EffectSize.xls	Assignment 2 due Thurs 2/4  Quiz 3 (Class 4) by Mon 2/8
2/8-2/12	5 Summarizing Data Normal Curves z Scores Standard Scores	L1150	norP1	10:15	16							
		L1151	norP2	13:53	16,17							
		L1160	ss	10:27	18							
				<u>34:35</u>								
						A105					CC Ch. 6  <a href="#">z table (HyperStat Online)</a>	Quiz 4 (Class 5) by Mon 2/15
2/15-2/19	6 Correlation and Regression Pearson's Bivariate Correlation Simple Linear Regression	L1170	corP1	10:45	19							
		L1171	corP2	13:37	20,21							
		L1172	corP3	6:35								
		L1180	reg	10:45	22							
		L1190	revcor	15:01								
				<u>56:43</u>		A106					CC Ch. 7-8 Huck Ch. 3 Rice Virtual Lab, HyperStat Online	Quiz 5 (Class 6) by Mon 2/22
2/22-2/26	7 Writing Up Correlational Research Review 1											
3/1-3/5	8 Exam 1 Wed 3/3- Thu 3/4											Project 1 Due Mon 3/1
3/8-3/12	9 Making Inferences Probability and Sampling  (Spring Break 3/15-3/21)	L1200	probP1	12:22	23							
		L1201	porbP2	11:01	23,24							
		L1210	sampP1	15:57	25,26							
		L1211	sampP2	13:27	27							
				<u>52:47</u>				A109				

3/22-3/26	10	One-Group Design One-Sample z Test Estimation	L1220 onezP1 11:02 28 L1221 onezP2 8:11 28 L1222 onezP3 7:12 29 L1230 intest 10:17 30 <u>36:42</u>	A110	CC Ch.11,12,19 Huck 6-8 <a href="#">Type I, Type II Errors</a> Mind Your P's and Alphas P and Alpha Handout	Quiz 7 (Class 10) by Mon 3/29
3/29-4/2	11	One-Group Design One-Sample t Test	L1240 onetP1 9:25 31 L1241 onetP2 11:54 32 L1250 onetsps 3:57 <u>25:16</u>	A111	CC Ch. 13 <a href="#">Distribution Tables</a> <a href="#">Student's t Distribution</a> <a href="#">The t Dist Calculator</a> More t-Tests Examples	Quiz 8 (Class 11) by Mon 4/5
4/5-4/9	12	Two-Group Design Independent t Test	L1260 ittestP1 9:40 33 L1261 ittestP2 10:49 34 L1270 itsps 6:56 L1280 itexP1 6:34 L1281 itexP2 12:28 L1282 itexP3 6:22 <u>52:49</u>	A112	CC Ch. 14  Huch Ch. 10	Assignment 3 due Thurs 4/8  Quiz 9 (Class 12) by Mon 4/12
4/12-4/16	13	Two-Group Design Dependent t Test Inferences About Correlation Inferences About Frequency Chi-Square Test	L1290 dttestP1 6:55 35,36 L1291 dttestP2 7:14 35,36 L1300 dtspss 6:41 L1310 hydr 6:09 37 L1320 chiP1 7:34 38 L1321 chiP2 5:15 <u>39:48</u>	A113	CC Ch. 15,17,18 Huck Ch. 9 <a href="#">Chi-Square Calculator</a>	Assignment 4 due Thurs 4/15  Quiz 10 (Class 13) by Mon 4/19
4/19-4/23	14	Beyond Two-Group Design One-Way ANOVA	L1330 anova 14:57 39 L1340 anovaex 2:09 L1350 anovaspss 6:57 L1360 sum 14:27 <u>38:30</u>	A114	CC Ch. 16 Huck Ch. 11  Inferential Statistics (Handout)	Project 2 Due Tue 4/20  Quiz 11 (Classes 1-14) by Mon 4/26
		Writing Up Experimental/ Quasi-Experimental Research Review 2				
	15	Final (Exam 2) Tue 4/27 - Wed 4/28				

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

\* CC refers to Coladarci and Cobb 2014.  
Huck is an optional textbook.  
Other reading materials are available  
at [http://coshima.davidrjkis.com/stat\\_1.htm](http://coshima.davidrjkis.com/stat_1.htm)