Course Overview for Predict 401

Session	Black*	Supplemental*	R Programming*	Wilcox/Downey
1	Chapters 1 & 2 Introduction Charts and Graphs	Black Videos 1, 2	**Quick Start Guide for R**** *Calculations with R Week 1*	(Be aware of the library reserves.)
1		Sync Session		
2	Chapter 3 Descriptive Statistics	Black Videos 3, 4	*Optional R Lessons 1, 2 & 3 Calculations with R Week 2*	Wilcox Chapters 2&3
2	Self-administered Test			
3	Chapters 4 & 5 Probability Discrete Distributions	Black Videos 5, 6, 7 , 8 (Probability theory should be a review.)	*Optional R Lessons 4 & 5 Calculations with R Week 3*	Think Bayes (check library reserves)
3		Sync Session	Programming Test in R	
4	Chapters 6 & 7 Continuous and Sampling Distributions	Black Videos 9, 10 (Probability theory should be a review.)	*Optional R Lessons 6 & 7 Calculations with R Week 4* **Data Analysis #1 Video**	Wilcox Chapters 4 & 5
4	Self-administered Test			
5	Chapter 8 Inference about Parameters	Black Video 11	*Optional R Lesson 8 Calculations with R Week 5*	Wilcox Chapter 6
5		Sync Session	Data Analysis Using R	
6	Chapters 9 & 16 Single Population Inference Categorical Data	Black Videos 12, 13, 14, 15, 16	*Optional R Lesson 9 Calculations with R Week 6*	Wilcox Chapter 12
6	Self-administered Test			
7	Chapter 10 Two Population Inference	Black Videos 17, 18, 19	*Optional R Lesson 10 Calculations with R Week 7*	Wilcox Chapter 9
7		Sync Session	Programming Test in R	
8	Chapters 11&12 Analysis of Variance, Simple Regression	Black Videos 20, 21	*Optional R Lesson 11 Calculations with R Week 8* **Data Analysis #2 Video**	Wilcox Chapter 10
8	Self-administered Test			
9	Chapters 12&13 Multiple Regression	Black Video 22	*Optional R Lesson 12 Calculations with R Week 9*	Wilcox Chapter 8
9		Sync Session		
10	Final		Data Analysis Using R	

* **Refer to the syllabus for details such as event and deadline dates and times.**

** **The *Quick Start Guide for R* is posted on the course site. It is assigned reading.**

The Programming Tests in R assume knowledge of the *Quick Start Guide for R*. The R-related videos shown in red type are recommended. The R-related listings in italics are supplemental and optional. They do not carry any grading weight. Attendance at Sync Sessions is optional. Review of the session recordings and handouts is recommended. Test questions are drawn from this material. The six tests highlighted in red are self-administered. The data analysis assignments are highlighted in green. The final highlighted in blue is proctored. The tests total 275 points. The two data analysis assignments in green total 125 points. Discussion topics account for 100 points. There are 500 total points for the course.