Date	*Topic*	*Due*	*Notes*
Wednesday, May 12	Data types, observational studies + experiments		First day of class!
	PS 1 and AE 1 assigned		Start reading Chapter 1 of textbook
Thursday, May 13	Sampling principles, experimental design		
	Lab 1: Intro to R		
Friday, May 14	Data summarization (numerical)	PS 1	Start reading Chapter 2 of textbook
	PS 2 and AE 2.1 assigned		
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Monday, May 17	Data summarization (categorical), randomization test	Lab 1	
	AE 2.2 assigned		
Tuesday, May 18	Fundamentals of probability	PS 2	Start reading Chapter 3 of textbook
	Lab 2: Intro to data		
	PS 3 assigned		
Wednesday, May 19	Conditional probability, Bayes theorem		
	PS 3 and AE 3.1 assigned		
Thursday, May 20	Sampling from small population, random variables	Lab 2	
	Lab 3: Probability		
	AE 3.2 assigned		
Friday, May 21	Normal distribution, Geometric distribution	PS 3	Start reading Chapter 4 of textbook
	PS 4 and AE 4 assigned		
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Monday, May 24	Binomial distribution, Poisson distribution	Lab 3	
	Project released		Start picking data and research questions
Tuesday, May 25	Point estimates, confidence intervals	PS 4	Start reading Chapter 5 of textbook
	Lab 4: Sampling distributions		
	PS 5 assigned		
Wednesday, May 26	Hypothesis testing		
	AE 5 assigned		
Thursday, May 27	Buffer time (for leftover stuff), Mid-term review	Lab 4	
	Lab 5: Confidence intervals		
Friday, May 28	Mid-term day (exam covers Ch. 1-5)		Exam open through 11:59pm Sunday, May 30
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Monday, May 31	Memorial Day holiday, no class!		
Tuesday, June 1	Inference for single proportions	PS 5	Start reading Chapter 6 of textbook
	Lab: discuss Mid-term problems		
	PS 6 assigned		
Wednesday, June 2	Inference for two proportions, chi-square test for GOF	Lab 5	
Thursday, June 3	Chi-square test for GOF & two-way table		
	Lab 6: Inference for categorical data		
	AE 6 assigned		
Friday, June 4	One sample mean t-test, paired data	Project Proposal	Start reading Chapter 7 of textbook
	PS 7 assigned		
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Monday, June 7	Difference of two means, power calculation	PS 6	
Tuesday, June 8	Power calculation (cont.), ANOVA	Lab 6	
	Lab 7: Inference for numerical data		
	AE 7 assigned		
Wednesday, June 9	Basics of linear regression, least squares		Start reading Chapter 8 of textbook
	PS 8 and AE 8 assigned		
Thursday, June 10	Outliers, inference for linear regression	PS 7	
	Lab 8: Intro to linear regression		
Friday, June 11	Buffer day (extra time for leftover stuff)	PS 8	
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Monday, June 14	Intro to multiple regression, model selection	Lab 8	Start reading Chapter 9 of textbook
	PS 9 assigned		
Tuesday, June 15	Model selection (cont.), model diagnostics		
	Lab 9: Multiple linear regression		
Wednesday, June 16	Logistic regression		
Thursday, June 17	Project presentation (1)	PS 9	
	Lab: Project report working time		
Friday, June 18	Project presentation (2)	Lab 9	
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Monday, June 21	Final review	Project report	
Tuesday, June 22	Reading day: no class or lab!		
Wednesday, June 23	Final Exam day (mainly covers Ch. 6-9 but includes content in Ch. 1-5)		Exam open from 8am June 23 to 8am June 24