18.465 Schedule and syllabus, Fall 2012
R. Dudley, 2-245, rmd@math.mit.edu
Course website: math.mit.edu/∼rmd/465

Book: *Modern Applied Statistics with S* by W. N. Venables and B. D. Ripley, Fourth Ed., Springer, 2002.

Lecture dates	Prob. set due	Material	other
Sept. 5, 7, 10	Friday, Sept. 14	Kolmogorov–Smirnov, Mann–Whitney tests	
Sept. 12, 14, 17	Wednesday, Sept. 19	Testing normality	
Sept. 19, 24, 26	Friday, Sept. 28	Testing unimodality	
Sept. 28, Oct. 1, 3	Friday, Oct. 5	The dip test, continued	
Oct. 5, 10, 12, 15	Wednesday, Oct. 17	The bootstrap	
Wednesday, Oct. 24			review
Friday, Oct. 26			midterm exam
Oct. 17, 19, 22, 29	Wednesday, Oct. 31	Hierarchical clustering	
Oct. 31, Nov. 2, 5	Wednesday, Nov. 7	Testing multiple hypotheses	
Nov. 7, 9, 14	Friday, Nov. 16	Markov chain Monte Carlo	
Nov. 16,19,21,26	Wednesday, Nov. 28	Simulated annealing	
Wednesday, Dec. 5			review
Friday, Dec. 7			second-half exam
Friday, Dec. 7			First drafts of term papers due
Nov. 28,30, Dec. 3,10	Wednesday, Dec. 12	EM algorithms	
Wednesday, Dec. 12			Final draft of term papers due No final exam