
UNIVERSITY OF MINNESOTA

School of Public Health

Division of Biostatistics

PubH 6450: Biostatistics I (Fall 2005)

Instructor: Susan Telke

SYLLABUS:

Week	Dates	Text Sections	Topics
Week 1:	Sept. 6, 8:	1.1-1.2	Overview, Descriptive Statistics
Week 2:	Sept. 12, 15:	1.3,3.1-3.4	The Normal Distribution, Population and Samples
Week 3:	Sept. 20, 22:	4.1-4.5	Introduction to Probability, Random Variables, Expectation, Baye's Rule
Week 4:	Sept. 27, 29:	5.1-5.2,6.1	Sampling distributions for proportions and means, Confidence intervals
Week 5:	Oct. 4:	7.1, Review	Tests of significance, Inference for the mean (the t-test)
Exam 1:	Oct 6		
Week 6:	Oct 11, 13:	6.2, Review of Exam	One sample inference
Week 7:	Oct. 18, 20	7.2, 6.3-6.4	Comparing two means, Type I error and Sample Size

Week 8:	Oct. 25, 27 :	8.1-8.2	Inference for proportions, Comparing two proportions
Week 9:	Nov. 1, 3:	9.1-9.2	Data Analysis for two-way tables
Week 10:	Nov. 8:	2.2, Review	Scatterplots, Correlation, Least Squares Regression
Exam 2:	Nov. 10		
Week 11:	Nov. 15,17:	2.3, Review of Exam 2	Simpson's Paradox/Correlation
Week 12:	Nov. 22:	10.1, 2.4	Simple Linear Regression, Cautions
No Class:	November 24 - Thanksgiving Holiday - Enjoy!		
Week 13:	Nov. 29, Dec. 1:	11.1-11.2	Inference for multiple regression
Week 14:	Dec. 6, 8:	12.1-12.2	One way ANOVA
Week 15:	Dec. 13-15:	14.1-2, Review	Nonparametric inference and Review Day

Final Exam : 8:00 a.m. - 10:00 a.m. ,Tuesday - December 20, 2005, Lecture Room

This material is available in alternate formats upon request. Please call the School of Public Health, 624-1991, for accommodation.

- [Biostatistics Home Page](#)
- [Main Page: http://www.biostat.umn.edu/~susant/PH6450DESC.html](http://www.biostat.umn.edu/~susant/PH6450DESC.html)

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