MATH 117: ELEMENTARY STATISTICS

INSTRUCTOR: Clare Hemenway

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OFFICE HOURS: MF 10-11, MWF 12-1

Plus, many other times—just ask or drop by!

CLASS TIME AND PLACE: TTH 9:10 - 10:25 in Room 191

TEXT: <u>Elementary Statistics</u>, <u>A Step by Step Approach</u>, <u>A Brief Version</u>, <u>6th Edition</u>, Paperback, by Bluman <u>A calculator with two variable statistical functions is a must</u>. I will recommend certain calculators. Chapters 1 through 3, 6 through 9, parts of Chapters 10.

Topics covered: Descriptive Statistics (both graphical and numerical), Inferential Statistics (confidence intervals and hypothesis testing) for a single population mean and binomial parameter and for two population means and two binomial parameters, linear regression).

HOMEWORK is assigned most days; it will not be collected. It is your responsibility to keep up with assignments and ask questions

TESTS: (tentative test dates) Thursday, October 4

Tuesday, November 6 Thursday, December 6

FINAL: (definite date) Thursday, December 20 8am -10am

GRADING: 3 tests 75% (25% apiece)

Comprehensive final 25%

A possible 12 points extra credit (added to a test score) may be obtained through in class and take home activities and guizzes.

If you MUST miss a test, you MUST notify me ahead of time (unless it is an emergency) and if the excuse is deemed reasonable, you may be allowed to take the test on a different time. At most one test will be allowed to be taken at a different time.

GRADING RUBRIC

A average ≥ 92	A- $90 \le average < 92$	
B+ $88 \le average < 90$	B $82 \le average < 88$	B- $80 \le average < 82$
C+ $78 \le average < 80$	C $72 \le average < 78$	C- $70 \le average < 72$
D+ $67 \le average < 70$	D $62 \le average < 67$	D- $60 \le average < 62$
F average < 60		

COURSE OBJECTIVES:

- To become aware of both the prevalence and importance of statistics in our everyday lives
- To become a more informed consumer of statistics in our everyday lives
- To learn how to describe, organize, and summarize data in meaningful ways
- To learn how to analyze data, make predictions, and interpret the results
- To have FUN (yes, fun) along with some inevitable FRUSTRATION in learning statistics