

# MAT 118: EMPIRICAL INTRODUCTION TO STATISTICS

ONONDAGA COMMUNITY COLLEGE

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## TEXT:

The Basic Practice of Statistics, by David S. Moore (Second Edition)

## PREREQUISITE:

Intermediate Algebra

## REQUIREMENT:

All students must have a scientific calculator with two-variable statistics capabilities with them at each class. See the Instructor or the Mathlab to see which calculators qualify.

## LEARNING RESOURCES:

Students are expected to seek help when necessary, beyond what could be accomplished during classes (and it likely will be necessary for *everyone* at some time or another, over the course of the semester). Places to look for such help include:

- Textbook; Reading to the text regularly is often the best way to understand everything
- Your Instructor in person; immediately after class or during office hours (tba)
- Your Instructor via email; students are encouraged to send questions through email
- Mathlab; tutors provided free of charge...great place for help!!
- Textbook's web site; [www.whfreeman.com/statistics](http://www.whfreeman.com/statistics), find our text and see what's there
- Instructor's web site; (above) Instructor will provide learning tools and solutions

## CLASS PROJECTS:

"Empirical" means the methods used in this course are based on practical experience. Many assignments will require you to collect data and record your results. Class discussions will be based on the data collected by the entire class. You will begin to learn statistics by comparing your results with those of other members of the class. The class projects are designed to help students learn statistics from their own experience. Statistical patterns are observed when data obtained from the class is examined. The video series "Against All Odds" is used to supplement the text.

### HOMEWORK:

Each student is expected to do all assigned problems. In addition, there will be a homework sheet collected and graded each day. At least a couple of the lowest homework grades will be dropped when computing final grades.

### ATTENDANCE:

All students are expected to attend class regularly and to complete homework assignments. Attendance will not be checked. HOWEVER, class projects will be given in most classes. Students MUST be present during the class in which the project was assigned. Thus *any* missed classes will result in a 0 for that class project, *regardless* of the reason for missing. However, several of the lowest class project grades will be dropped when calculating final grades. So a couple of missed classes is not likely to affect most student's grades. But be sure to work out the project on your own BEFORE the next class so you don't get lost.

### EVALUATION (approximate):

1. 15 in-class assignments 5 pts/ea = 75 pts.
2. 15 take-home assignments 5 pts/ea = 75 pts.
3. Two take-home exams 75 points each = 150 pts.
4. Two one-hour exams 100 points each = 200 pts.
5. One final exam 100 points = 100 pts.

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TOTAL POSSIBLE POINTS = 600 PTS.

### GRADING:

560-600 = A	440-459 = C
540-559 = A-	420-439 = C-
520-539 = B+	400-419 = D+
500-519 = B	380-399 = D
480-499 = B-	360-379 = D-
460-479 = C+	0-359 = F