

MATH 183: Introductory Statistics

Section 4

Spring 2015

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Office Hours: MW 12:30 – 1:30, 3:00 – 4:30

F 12:30 – 1:30

or by appointment or capture

Class Meetings

MWF 1:50 – 2:45 TCCW 305

Welcome to Math 183. Statistics is one of the most applicable fields in mathematics. We will analyze data, fit curves to data and apply probability to solve real world problems. Statisticians are employed in government, industry, and academia so an understanding of this field can lead to many lucrative careers. We will be using MyStatLab. Students should obtain notes and assignments from this site prior to class each day. See the attached handout for MyStatLab registration information.

We will move quickly so keep up. You will have online homework assigned each day. Do the problems every night! I will usually spend the first few minutes of class discussing the previous homework but may not always have time to do so. Call or contact me if you are having problems. If I did not like talking to students, I would do something else for a living. Make use of my office hours and always come to class prepared!

Description

Prerequisite: Eligibility for College Algebra based on Math ACT, MPE, COMPASS, or KYOTE scores; or DMA 096 C with grade of C or better (see http://www.wku.edu/math/math_placement.php).

MATH 183: Introductory Statistics (3 hours) meets five learning objectives as part of the Colonnade requirement for quantitative reasoning. MATH 183 students will learn to interpret, illustrate, and communicate mathematical and statistical ideas. Further, students will learn to model and solve problems. As part of this course students will learn concepts from introduction to elementary probability theory; the analysis of data by means of frequency distributions and the statistics which describe them; the binomial and normal probability distributions; statistical inference; and emphasis is on applied real world problems. This course is not accepted for credit toward the mathematics major or minor.

MATH 183 specifically meets the five learning objectives as detailed below:

Learning Objective 1: Interpret information presented in mathematical and/or statistical forms.

Learning Objective 2: Illustrate and communicate mathematical and/or statistical information symbolically, visually and/or numerically.

Learning Objective 3: Determine when computations are needed and execute the appropriate computations.

Learning Objective 4: Apply an appropriate model to the problem to be solved.

Learning Objective 5: Make inferences, evaluate assumptions, and assess limitations in estimation modeling and/or statistical analysis.

Course Materials

Triola, M., *Elementary Statistics Using the TI-83/84 Plus Calculator* (4th Edition), 2014, Pearson.

MyStatLab/eBook ISBN: 9780321694645 (labeled as MyStatLab Statcrunch Access Code)

- **The physical textbook is optional; the entire content of the textbook can be accessed electronically within the MyStatLab program.**

Material to be Covered

We will cover selected topics from chapters 1 through 11 of the textbook. We will not necessarily cover topics in the order in which they are presented in the text.

Technology

- Each student will need a graphing calculator for use in class and for assignments. TI-83 and TI-84 are preferred, and instruction for these models will be given (in fact, the text is specifically designed for these models). Cell phone calculators are *not* permitted for use on exams!
- A subscription to MyStatLab is required (packaged with the eBook). The Course ID: **spraker11192**

Graded Work

- **Exams (60%)** Three in-class exams will be given during the course of the semester. Exams other than the final may be taken early but almost never late. Contact me *before* the exam if you feel that your situation merits a make-up.
- **Exam I Friday Feb. 20**
- **Exam II Friday March 27**
- **Exam III Friday April 24**

- **Online Homework (20%)**
 - Homework will be assigned via MyStatLab regularly throughout the semester. It is your responsibility to access the assignment in adequate time to complete it before the due date.

- **Final Exam (20%)** A comprehensive final exam will be given on **Friday May 15 at 10:30**.

Grading Scale

90% - 100%	A
80% - 89%	B
70% - 79%	C
60% - 69%	D
0% - 59%	F

Important Dates

March 20: Last day to drop classes with a W.

March 9 - 13 Spring Break

Student Accessibility Resource Center

In compliance with university policy, students with disabilities who require accommodations (academic adjustments and/or auxiliary aids or services) for this course must contact the Student Accessibility Resource Center in DSU 1074. Please **DO NOT** request accommodations directly from the instructor without a letter of accommodation from the Student Accessibility Resource Center.

MyStatLab

Welcome Students!

MyStatLab is an interactive website where you can:

- Self-test & work through practice exercises with step-by-step help to improve your math skills.
- Study more efficiently with a personalized study plan and exercises that match your book.
- Get help when YOU need it. MyStatLab includes multimedia learning aids, videos, animations, and live tutorial help.

Before You Begin:

To register for MyStatLab, you need:

- A MyStatLab student access code** (available as a MyStatLab/eBook package from the bookstore)
- Your instructors' Course ID: spraker11192**
- A valid email address**

Student Registration:

- Enter www.mystatlab.com in your web browser.
- Under Register, click **Student**.
- Enter your **Course ID** exactly as provided by your instructor and click **Continue**. *Your course information appears on the next page. If it does not look correct, contact your instructor to verify the Course ID.*
- Sign in or follow the instructions to create an account. Use your WKU email address and, if possible, use that same email address for your username. Read and accept the License Agreement and Privacy Policy.
- Click **Access Code**. Enter your **Access Code** in the boxes and click **Next**. *If you do not have an access code and want to pay by credit card or PayPal, select the access level you want and follow the instructions. You can also get temporary access without payment for 17 days.*

Once your registration is complete, a **Confirmation** page appears. You will also receive this information by email. Make sure you print the Confirmation page as your receipt. Remember to **write down your username and password**. You are now ready to access your resources!

Signing In:

- Go to www.mystatlab.com and click **Sign in**.
- Enter your **username** and **password** and click **Sign In**.
- On the left, click the name of your course.

The first time you enter your course from your own computer and anytime you use a new computer, click the **Installation Wizard** or **Browser Check** on the Announcements page. After completing the installation process and closing the wizard, you will be on your course home page and ready to explore your MyStatLab resources!

Need help?

Contact Product Support at <http://www.mystatlab.com/student-support> for live CHAT, email, or phone support.