Math 125 - Introductory Statistics
University of Massachusetts, Boston
Spring 2022

Instructor: Dr. Joseph E. Cooper
Office Hours: See below
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Phone: Mathematics Department: 617-287-6440 (e mail above is strongly preferred)

Course Enrollment and Waitlist Policy You are enrolled in this section of Mathematics 125 only if your name appears on the University Wiser system roster of enrolled students. Students on the wait list are not enrolled in the course. As space becomes available, Wiser automatically removes non-enrolled students from the wait list and enrolls them in the course while respecting the University's enrollment capacity constraint of 35 students. To provide the best pedagogical experience, permission numbers to override the capacity constraint are not provided to wait listed students. If you have questions about whether you are enrolled in this section or in this course, kindly contact the Instructor, by e-mail, on or before class session number two.

Mathematically underprepared students have reported that this section of the course is challenging because the course moves very quickly and the amount of material to be mastered is great. Moreover, some freshman students and 1st semester UMB students have reported that postponing this section of the course until their second semester at UMB has benefited them academically. To make the most informed decision about whether or not you should take this section of the course, now or in a future semester, you are encouraged to speak with UMB students who took the course during their freshman year (or during their 1st semester) and to discuss your mathematical strengths and weaknesses as well as any other factors that you believe could contribute to your academic success with your academic advisor. To be absolutely clear, I am not discouraging freshman or 1st semester UMB students from enrolling in this section of the course. Moreover, this section is not special in terms of course content, however, previous students who have performed at the honors level have reported high comfort with college algebra and certain pre-calculus concepts and computations prior to taking the course. The purpose of this statement is to inform all students, and in particular, freshman and first semester UMB students, of the experiences reported by other students who have taken this section of the course. Prior to making the enrollment decision, I encourage every student to evaluate all available information and consult their academic advisor.

Meeting Times and Class Location

Math 125-07 8:00–-9:15 AM University Hall Y04-4180
Math 125-08 9:30-10:45 AM University Hall Y04-4190

In person office hours (First come first serve. No appointment necessary.)

Tuesday: University Hall Atrium, 11:00 am - 12:30 pm
Thursday: University Hall Atrium, 12:30 pm - 2:00 pm

Zoom office hours (First come first serve. No appointment necessary.)

Wednesday: 12:00 pm - 1:00 pm, Zoom Meeting ID 427 318 8332

Office hours by appointment.

Send an email to joseph.cooper@umb.edu to schedule office hours by appointment

Course Description Topics include descriptive statistics; regression; correlation; introductory probability and inferential statistics. Credits: 3 Pre-Requisites: A suitable score on Math placement test B or MATH 114Q or MATH 115.

Measurable outcomes In addition to the course objectives set by the instructor, the Course Coordinator has identified certain "measurable outcomes" for this course. Each measurable outcome is a specific skill or item of mathematical knowledge that all students are expected to master in the course. The complete list of measurable outcomes for this course can be found at the end of this syllabus. This list will guide the design of the final exam for Math 125. [Sheldon Kovitz is the Course Coordinator for Math 125.]

Text David Freedman, Robert Pisani, and Roger Purves, *Statistics*, 4th Edition, (W. W. Norton & Company, 2007).

Practice Exams and Sample questions Created by Course Coordinator, Dr. Sheldon Kovitz, UMB http://www.math.umb.edu/~skovitz/math125/
www.math.umb.edu/~skovitz

Class Notes Lecture Notes Created by Professor Robert Heal, Department of Mathematics and Statistics, Utah State University. (Consult these notes if you miss a class, need a refresher before class starts or you wish to review the material after class or before a test.)

Chapter 1: Controlled Experiments: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_1.pdf

Chapter 2: Observational Studies: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_2.pdf

Chapter 3: The Histogram: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_3.pdf

Chapter 4: The Average and the SD: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_4.pdf

Chapter 5: The Normal Approximation for Data: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_5.pdf

Chapter 5, 6, 7: Measurement Error/ 7. Equations for Lines: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapters_5,6.pdf

Chapter 8: Correlation: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapters_7,8.pdf

Chapter 9 More About Correlation: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_9.pdf

Chapter 10 Regression: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_10.pdf

Chapter 11: More Regression: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_11.pdf

Chapter 12: Even More Regression: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_12.pdf

Chapter 13: Probability: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_13.pdf

Chapter 14: More About Chance: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_14.pdf

Chapter 15: Probability Rules/Binomial Formula: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_14.pdf

Chapter 16: The Law of Averages http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_16.pdf

Chapter 17: Box Models: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_17.pdf

Chapter 18: Normal Curve http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_18.pdf

Chapter 19: Sample Surveys: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_19.pdf

Chapter 20: Random Sampling: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_20.pdf

Chapter 21: The Accuracy of Percentages Confidence Intervals: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_21.pdf

Chapter 22:

Chapter 23: The Accuracy of Averages/Confidence Intervals: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_23.pdf

Chapter 24: Confidence Intervals: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_23_Notes.pdf

Chapter 25:

Chapter 26:Tests of Significance: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_26.pdf

Chapter 27:More Tests for Averages: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_27.pdf

Chapter 28:Chi Square test: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_28.pdf

Chapter 29: A Closer Look at tests of Significance: http://www.math.usu.edu/rheal/stat1040/lecture_notes/Chapter_29.pdf

Test Dates, Assigned Material, Grading Weights

In semester tests are held on the last Thursday of each month. The final examination date is determined by the university.	Percent of Grade	Chapter Coverage
Test 1 February 24th Chapters 1-10	20%	03, 04, 05, 08, 09, 10, 11, 12
Test 2 March 31st Chapters 11-20	20%	13, 14, 15, 16, 17, 18
Test 3 April 28th Chapters 21-29	20%	20, 21, 22, 23, 24, 26, 28
Test 4 May 6th Optional (Replaces lowest test 1-3 score)		TBD
Homework	20%	Quiz each Tuesday. Home work notebooks submitted on test days.
Final Exam	20%	
	100%	

*Chapter coverage is subject to change by the Instructor.

Tests and Grades There are three in semester tests and a final examination for this section of the course. In addition, there is an optional fourth test; if you elect to take the fourth test, the score on the fourth test can, again at your election, replace the lowest score of one of the three in semester tests. The final examination is created by the Course Coordinator. The final exam is a common final examination, that is, all students enrolled in Math 125 take the same final exam. (Exceptions for students with exam conflicts.)

Hand held Calculators Allowed. Hand held calculators are allowed on tests or final examinations. Hand held Texas Instrument, Casio or a similar calculators are allowed. No iPhones, iPads or other electronic equipment. A calculator with an exponent key, y^x, key is strongly recommended.

In Semester Test Scores Reported Not Letter Grades You will receive a numerical score for each of the three in semester tests and the optional test 4. A numerical score will not be converted into a letter grade. On or before May 3rd, you will receive a tentative letter grade for your performance in the course based upon all three test scores. The tentative letter grade is neither a promise nor a guarantee of your final course grade. The tentative letter grade could rise appreciably or fall dramatically, depending upon how well you perform on test 4 (if you elect to take test 4) and the final examination.

Pass Fail Election If a student elects to take the course on a pass-fail basis and has not passed any of the in semester tests with a grade of 65% or higher (unscaled) or test 4, that student must earn a grade of 65% or higher on the final examination to receive the designation PASS for the course.

Check requirements for your major and program, in particular where these pertain to Pass/Fail options. In some cases you are required to register with a letter grade option and not a Pass/Fail option, in order for a course to count towards your major or program.

Pass/Fail/ Course Withdraw Deadline Note, you will not receive a tentative letter grade for the course prior to the pass/fail/ and course withdraw deadline, however, you will possess your two test scores (unscaled grade of 65% is a passing grade).

Questions About Grades Or Academic Standing At any time, if you have questions about your academic standing in the course or you need additional information to make an informed pass/ fail or withdraw decision, you must send me an e mail, one week (7 days), prior to meeting with me or prior to the pass/fail/withdraw deadline, specifically stating the information that you need to know to make an informed decision. If you decide to take the course on a pass-fail basis or withdraw from the course, you shall inform me, by e-mail, immediately and before the pass/fail/ and course withdraw deadline.

If you have elected to take the course pass fail, you will receive a tentative pass-fail course grade, not a tentative course letter grade. If you elected pass fail status and the pass-fail deadline has passed, I will not support a petition to change your course status back to letter grade status, even if your test 3 performance exceeds your expectation.

You shall complete a Family Educational Rights and Privacy Act (FERPA) waiver request so that I may discuss your grades or academic standing over the internet and so that our discussion is preserved by email.

Required Homework Assignments and Homework Quiz: There are multiple Exercises Sets in each chapter. Each Exercise Set is labeled with a capital letter. For example, in chapter 2, the Exercise Sets are A, B, C, D and E. To master the course, a student must solve the problems listed on the Tentative Course Outline list at the end of this syllabus.

A student must record the solutions to the assigned homework in a homework notebook. The homework notebook is an 8.5" x 11" spiral bound notebook. The cover of the notebook should state: Homework for Math 125 plus your name. The homework notebook must be a stand alone book, not a spiral bound notebook with multiple tabs and not a notebook that contains your lecture notes from this course or other courses.

On each test date, a student must submit his/her homework notebook for examination and grading. The homework notebook will be graded on a 0 - 5 point scale. (0 = No submission 5= Full credit) In addition to receiving a point for submitting the notebook, your notebook will be scored for completeness—Did you solve all of the problems?—and correctness—Does a randomly selected problem from your notebook show the correct solution steps?

Random quizzes may take place on Tuesday. If a random quiz is announced, you will receive one question based upon the homework. You will have two minutes to record your solution.

Attendance Students are expected to attend every class. Periodically, attendance will be taken and class participation points awarded for timely attendance. Absenteeism will be noted. You must respond "Here" if your name is called. If you anticipate being absent from class, kindly notify me, one day in advance, by e-mail, and inform me of the date and reason for your absence. Respect your classmates and instructor by kindly joining the class 5 minutes before the scheduled start so that we may start on time.

At the beginning of class, I will make daily announcements. Students may ask questions regarding homework problems or other concerns. Students may interrupt lectures with comments or questions at any time by raising their hand. Keep your mask on when speaking speaking.

Classroom Environment Students have a right to a classroom experience that that is free of behavior that inhibits learning. To this end, the following policies are observed: i) **Untimely entrance and departure** At UMB, a 15 minute break separates the end of one class and the beginning of the next. During this break period, students may eat, make and receive phone calls or go to the bathroom. Our class will start promptly at the scheduled time. Once class has begun and until the 15th minute, a student may enter or return to our classroom for any reason. However, after the 15th minute, the door will be closed and a student should not enter. If a student is already seated and needs to leave the classroom for any reason after the 15th minute, that student should not return to the classroom until the lecture has ended. Students who miss all or a portion of the lecture are expected to rely upon classmates to obtain the missed information or materials. Before the start of the next class, a student who misses all or a portion of the current class should e-mail the instructor. (ii) **Food and drink** Food odor is distracting and spilled drinks expend valuable class time for clean up. Consequently, no eating or drinking of any kind is permitted in the classroom. (iii) **Class Participation** Kindly raise your hand if you wish to speak in class. You should not shout a response to the Instructor, even if you think you know the answer. Kindly wait until you are called upon by the Instructor to respond. Please refrain from talking to classmates during the class session unless you are granted explicit permission to do so.

COVID Protocols: Please keep your mask on upon entering the class and during the class session. I will practice social distancing (6' distance) and so should you.

Make Up Tests Or Extra Credit Projects There are no makeup tests and no make up final examination. A student must take three tests and the final to complete the requirements of the course. There are no extra credit projects in lieu of the in semester test or final examination. A student who is absent for a test receives a grade of zero; a student may elect to take optional test 4 to substitute for the test 4 score for the 0 score.

Final Examination All students are required to sit for the final examination, even if the student is taking the course on a pass-fail basis. A student who does not sit for the final examination shall earn a score of 0. The final course letter grade for students who do not sit for the final examination shall be adjusted downward by at least a one letter grade reduction from the tentative course grade. Thus, a student possessing a tentative letter grade of A for the course prior to the administration of the final examination and who does not sit for the final examination could receive a final course grade of B or lower. A student with a tentative letter grade of B for the course and who does not sit for the final examination could receive a final course grade of C or lower, and so on. A student with a tentative letter grade of D or lower who does not sit for the final examination shall receive a final course grade of F.

Final Examination Date The final examination must be taken on the day and time set by the University. Check WISER and University announcements regularly for the date of the final examination and changes in the announced or posted examination date. A student who does not sit for the final examination because of a conflict between an airplane reservation or other travel arrangements and the final examination date and time shall receive a zero for the final examination grade and at least a one letter grade reduction in their tentative letter grade for the course. Do not make travel arrangements or leave town before December 25th in the Fall or May 31st in the Spring.

Incomplete Grade Prior to the last day of class during the semester, a student may be unable to complete the requirements for the course. This sometimes occurs when there is a medical emergency or other serious problem that occurs during the semester but before the last day of classes that can be verified in writing. Under such circumstances, a students is permitted to petition the University for the grade of INCOMPLETE. If the petition is approved, a student is permitted to complete course work from a previous semester, including tests and examinations and submit it at a time that is mutually agreeable to the Instructor and the student, subject to University time limits. See link for the Incomplete Grade Policy: https://www.umb.edu/registrar/academic_policies/incomplete_policy

An Incomplete contract must be signed by you, the Instructor (me) and the Chairman of the Department. The contract sets forth the terms for completion of the course. Importantly, incomplete contracts should be filed with the Office of the Registrar before the last day of class to ensure timely posting of grades. The Mathematics department's interpretation of the deadline for submitting an Incomplete contract is strict; a student who experiences a medical issue or other serious problem after the last day of classes is not eligible for an Incomplete grade. Thus, a student petitioning for an Incomplete grade is advised to allow sufficient time to ensure that the contract is completed, signed by all parties and submitted by the Mathematics department to the Registrar, well before before the last day of classes.

Academic Assistance Math Resource/Tutoring Center (Student Campus Center) (8th floor, Healey Library): 617 287 6486. Also, tutoring for the course will be available at the Tanimoto Center in the Math Department. Check with the receptionist at the front desk of the Mathematics Department (3rd fl Wheatley Building).

Disability Assistance University of Massachusetts Boston (UMB) is committed to the goal of providing equal access to its education programs so that its students may achieve their academic potential. The University welcomes applications from students with disabilities and assures them that UMB will provide access to all programs for which they are qualified. The Ross Center for

Disability Services at UMB was established in 1971 to coordinate institutional efforts to comply with the broad mandates expressed in Section 504 or the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. Students seeking accommodations are directed to seek approval from the Ross Center for Disability Services. If you have a disability and feel you will need accommodations in order to complete course requirements, please contact the Ross Center (Campus Center Upper Level Room 211, with authorization, if necessary, to visit the campus) at 617.287.7430.

Note, you must file paperwork at the Ross Center at least one week in advance of any test or final examination; the filing must be made for each test and for the final examination. Check with the Ross Center for details. Accommodations for students with disabilities can be found at https://www.umb.edu/academics/vpass/disability/

Confidentiality FERPA (the Family Educational Rights and Privacy Act) is a federal law that protects the privacy and confidentiality of student records. At UMB, most student information is confidential and cannot be made public without the student's consent. The FERPA confidentiality requirements apply to all current and former students, starting when a student matriculates. Note: These confidentiality requirements are based on the University's official interpretation of the FERPA law and other relevant state laws. FERPA may be interpreted and applied differently at other institutions.

Students who wish their grades and academic information sent to them via e-mail should send a signed and dated statement found at the conclusion of this syllabus.

No Audio or Visual Recording Audio or visual recording of lectures is not permitted. Simply stated, I do not grant my consent to audio or video recording of lectures or office hour visits. An exception is granted for students who file appropriate paperwork with the Ross Center for Disability Services and who use the Center's approved personnel and equipment.

Academic Honesty Section XI. Academic Honesty (Student Code of Conduct, May 14th 2014) It is the expressed policy of the University that every aspect of academic life not only formal coursework situations, but in all relationships and interactions connected to the educational process shall be conducted in an absolutely and uncompromisingly honest manner. The University presupposes that any submission of work for academic credit indicates that the work is the student's own and is in compliance with University policies. In cases where academic dishonesty is discovered after completion of a course or degree program, sanctions may be imposed retroactively, up to and including revocation of the degree. Any student who reasonably believes another student has committed an act of academic dishonesty should inform the course instructor of the alleged violation. The university policy on dishonesty can be found in the Student Code of Conduct at https://www.umb.edu/academics/vpass/undergraduate_studies/policies/code_student_conduct

Letters of Recommendation/Reference A letter of recommendation or reference is provided to students who earn an A or an A- in my courses and who holds a 3.900 grade point average from the University. These very high standards give students a strong incentive to work hard in this course, reward students for maintaining their commitment to excellence in their other courses and maintain my reputation in the academic and employment communities for recommending or referring the most accomplished and able students. To be eligible for a letter you must have completed at least 60 credit-hours at the University of Massachusetts-Boston.

Complaints: Complaints about the course should start with the Instructor and then to the Committee on the Lower Division in the Mathematics Department. Complaints should not start with the Chair of the Mathematics Department, the Dean of the College of Science and Mathematics or the Provost.

Your Agreement With The Terms and Conditions Contained In This Syllabus. From the start of this semester, you have approximately one week to confirm your decision to enroll in this section of the course. Your enrollment in this section of this course constitutes your acceptance of the terms and conditions contained in this syllabus.

Cut Paste and Send by email to jec5021@gmail.com In the subject line type FERPA

Family Educational Rights And Privacy Act (FERPA) Waiver

Please sign, date and return by e mail.

I waive my FERPA rights to confidentiality and privacy with respect to educational records maintained by Dr. Joseph E. Cooper ("Dr. Cooper"). Further, I consent to the release of my educational records maintained by Dr. Cooper and authorize Dr. Cooper to transmit and discuss my grades and my academic performance through electronic communication (e-mail) and through other channels and with other parties as he deems appropriate or necessary. I agree to a post test(s) or post examination interview to be conducted at the sole discretion of the Instructor.
Electronically Signed:
Date:

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Cut, paste and send by email to jec5021@gmail.com In the subject line type HONOR PLEDGE

HONOR PLEDGE

(Sign, date and return by Monday, January 31st, 2022, on or before 5:00 pm to jec5021@gmail.com or joseph.cooper@umb.edu)

I, _____, swear that during the administration of all in semester test and the final examination in Math 125, Introductory Statistics:

I SHALL NOT:

1. Give assistance of any kind or in any form;
2. Receive assistance of any kind or in any form;
3. Communicate with any person, other than with the Instructor, the test questions, the final examination questions, or my test or final examination solutions; Communicate with any person during the test using online chatting, collaboration websites or any internet communication software;
4. Use any internet resources or on line assistance including, but not limited to, online calculators, online software programs, online tutors, websites, videos, or online assistance of any kind or in any form.

I further swear that I SHALL,

5. Abide by the University of Massachusetts Boston, Code of Conduct, and in particular, the provisions relating to honesty, academic integrity and plagiarism.

I acknowledge the consequences of failing to abide by this Honor Pledge may include, but are not limited to, grade adjustment, failure of the course, expulsion and any other sanctions consistent with the syllabus, university rules, practices, or policies,

Your name _____
Date:
(Type your name in the slot and submit this honor pledge by e-mail to **jec5021@gmail.com** on or before Friday, January, 28th, 2022 at 5:00 pm.)

FAQ (Facts And Questions)

1. I didn't do well on the test(s) and (I'd like an A in the class/I fear failing the course). Do you offer extra credit?

Answer: The course requirements are 3 tests, (an optional 4th test) and the final examination. There are no additional activities or tests beyond these activities. You may take a fourth test and have that score replace the lowest of your first 3 test scores.

2. I have performed poorly on my test/tests? Do you have any suggestions for what I can do to improve my performance?

Answer: In the past, students have found that this list of suggestions, while not exhaustive, usually leads to superior course performance. Try to implement all of them:

1. **Dedicate** 1.5 - 2.0 hours each night solving problems. Solve the homework problems everyday (not whenever you have time or the inclination). If you don't understand the solution to a problem ask me.

2. **Work** all practice exams for the next test at the link: http://www.math.umb.edu/~skovitz/math125/

3. **Visit** office hours regularly so that I can check your progress.

4. **Get** a study partner and meet at least once per week to keep you accountable for your homework.

5. **View** the videos at the link below if you are stuck on a concept. https://www.youtube.com/playlist?list=PLu-u45RpewRWND0qU12jR2PoGkXNSC94z In the alternative, you may view these course notes that are geared to the chapters in the book: https://www.stat.berkeley.edu/~stark/SticiGui/Text/toc.htm

6. **Consult** this glossary frequently: https://www.stat.berkeley.edu/~stark/SticiGui/Text/gloss.htm

7. **Come** to class prepared to ask and answer at least one question during every class.

8. **Take** a practice exam from start to finish 72 hours before the next test. Visit office hours for an explanation of the solutions to questions that you missed or do not completely understand.

9. **Write** neatly in your lecture notebook so that you can easily read what you have transcribed. Proper notation is critical in a statistics course.

10. **Review** your lecture notebook daily and summarize each day of lectures in your own words.

11. **Slow** your heart rate prior to taking a test by taking the first minute to count backwards from 60 to 0. This simple act can help with test anxiety by calming your nerves and allowing blood to flow into your brain so that you can begin work on the problems.

12. **Arrive** to class early and ask one of your classmates to test you with a problem that they do not understand.

Constantly being challenged will make you stronger.
Hope this list helps!

Tentative Course Outline Math 125
(Subject to change by Instructor)

- Each chapter has several Exercise Sets, usually labeled A, B, C, and so on. You should solve problems 1-5 for each Exercise Set.

Chapter	Chapter Title or Subtitle	Homework Page Number/ Exercise Set/Problems Assigned
Chapter 1	Controlled Experiments	
		NONE
Chapter 2	Observational Studies	
		NONE
Chapter 3	The Histogram	
		p33-34 Exercise Set A Problems 1, 3, 4, 7 p38 Exercise Set B Problems 1 (for 1960 data only) P41-42 Exercise Set C Problems 1, 2, 4 p44 Exercise Set D Problems 1-2 (Problem 2 solve for women who are high school graduates only) p46 Exercise Set E None p48 Exercise F None
Chapter 4	The Average and the Standard Deviation	

		p60 Exercise Set A Problems 1-5 p65 Exercise Set B Problems 1-5 p67 Exercise Set C Problems 1-5 p70 Exercise Set D Problems 1-5 p72 Exercise Set E Problems 1-5
Chapter 5	The Normal Approximation for Data	
		p82 Exercise Set A Problems 1-2 p84 Exercise Set B Problems 1-5 p88 Exercise Set C Problems 1-3 p89 Exercise Set D Problems 1-5 p92 Exercise Set E Problems 1-3 p93 Exercise F Problem 1
Chapter 6	Measurement Error	
		NONE
Chapter 7	Plotting Points and Lines	
		p111 Exercise Set A Problems 1-3 p112 Exercise Set B Problems 1-5 p114 Exercise Set C Problems 1 p115 Exercise Set D Problems 1-5 p116 Exercise Set E Problems 1-5
Chapter 8	Correlation	

		p122 Exercise Set A Problems 1-5 p128 Exercise Set B Problems 1-5 p131 Exercise Set C Problems 1-4 p134 Exercise Set D Problems 1-4
Chapter 9	More about Correlation	
		p143 Exercise Set A Problems 1-5 p145 Exercise Set B Problems 1-4 p148 Exercise Set C Problems 1-4 p149 Exercise Set D Problems 1-2 p152 Exercise Set E Problems 1-5
Chapter 10	Regression	
		p161 Exercise Set A Problems 1-5 p163 Exercise Set B Problems 1-4 p167 Exercise Set C Problems 1-5 p174 Exercise Set D Problems 1-3 p175 Exercise Set E Problems 1-3
Chapter 11		
		p184 Exercise Set A Problems 1-5 p187 Exercise Set B Problems 1-3 p189 Exercise Set C Problems 1-3 p193 Exercise Set D Problems 1-5 p197 Exercise Set E Problems 1-3
Chapter 12		
		p207 Exercise Set A Problems 1-4 p210 Exercise Set B Problems 1-4

Chapter 13		
		p225 Exercise Set A Problems 1-5 p227 Exercise Set B Problems 1-4 p229 Exercise Set C Problems 1-5 p232 Exercise Set D Problems 1-5
Chapter 14		
		p240 Exercise Set A Problems 1-4 p242 Exercise Set B Problems 1-5 p246 Exercise Set C Problems 1-5 p250 Exercise Set D Problems 1-5
Chapter 15		
		p258 Exercise Set A Problems 1-5
Chapter 16		
		p277 Exercise Set A Problems 1-5 p280 Exercise Set B Problems 1-5
Chapter 17		
		p290 Exercise Set A Problems 1-5 p293 Exercise Set B Problems 1-5 p296 Exercise Set C Problems 1-5 p299 Exercise Set D Problems 1-4 p303 Exercise Set E Problems 1-5
Chapter 18		
		p312 Exercise Set A Problems 1-5 p318 Exercise Set B Problems 1-5 p324 Exercise Set C Problems 1-5

Chapter 19		
		p349 Exercise Set A Problems 1-5
Chapter 20		
		p361 Exercise Set A Problems 1-5 p366 Exercise Set B Problems 1-5 p370 Exercise Set C Problems 1-5
Chapter 21		
		p379 Exercise Set A Problems 1-5 p383 Exercise Set B Problems 1-4 p386 Exercise Set C Problems 1-5 p388 Exercise Set D Problems 1-2 p390 Exercise Set E Problems 1-3
Chapter 22		
		p403 Exercise Set A Problems 1-5
Chapter 23		
		p413 Exercise Set A Problems 1-5 p420 Exercise Set B Problems 1-5 p423 Exercise Set C Problems 1-5 p424 Exercise Set D Problems 1-5
Chapter 24		
		p444 Exercise Set A Problems 1-5 p449 Exercise Set B Problems 1-5 p452 Exercise Set C Problems 1-5
Chapter 25		
		NONE

Chapter 26		
		p476 Exercise Set A Problems 1-5 p478 Exercise Set B Problems 1-5 p481 Exercise Set C Problems 1-5 p482 Exercise Set D Problems 1-5 p486 Exercise Set E Problems 1-5 p494 Exercise Set F Problems 1-5
Chapter 27		
		p503 Exercise Set A Problems 1-5 p506 Exercise Set B Problems 1-5 p511 Exercise Set C Problems 1-5 p515 Exercise Set D Problems 1-5
Chapter 28		
		p531 Exercise Set A Problems 1-5 p534 Exercise Set B Problems 1-5
Chapter 29		
		p546 Exercise Set A Problems 1-2 p550 Exercise Set B Problems 1-5 p554 Exercise Set C Problems 1-5 p558 Exercise Set D Problems 1-5 p561 Exercise Set E Problems 1-4