

Psychology 216-01, -02: Elementary Statistics

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- Office Hours: MWF: Noon – 12:50 PM or by appointment
- Teaching Assistant: Fitore Musmurati
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- Text: Gravetter, F. J. & Wallnau, L. B. (2009). Statistics for the Behavioral Sciences (8th Ed.). Belmont, CA: Wadsworth
- Point Structure of Class: 4 100 Point Exams
13 10 Point Quizzes
17 10 Point Homeworks
- Grading Scale:
- A: 651 to 700 Points
 - A-: 630 to 650 Points
 - B+: 609 to 629 Points
 - B: 581 to 608 Points
 - B-: 560 to 580 Points
 - C+: 539 to 559 Points
 - C: 511 to 538 Points
 - C-: 490 to 510 Points
 - D: 420 to 489 Points
 - F: 0 to 419 Points
- Exams: Because of the nature of statistics, all exams are comprehensive. Each exam will emphasize material covered since the previous exam. The exam format is 50% multiple choice (choose one correct answer) and 50% essay / problems.

I do not normally give make-up exams. Hospitalization and death of an immediate family member are usually the only valid reasons for missing an exam. Failure to take an exam at the assigned time without my prior permission will result in a grade of 0 for that exam. All make-up exams will be given during the regularly scheduled final exam period; that is, you will have to take the make-up exam and the final exam in the 110 minutes allotted for the final exam.

Extra Credit: The class does not offer extra credit work.

Attendance Policy: Class attendance is required if:

- you have a GPA below 2.5, or
- you earn a grade of 'C' or below on any exam

Otherwise, class attendance is strongly recommended but not required. The exams will include material presented in class which is not in the text and material not presented in class but which is in the text. If you are required to attend class and do not, you will lose 5 points for each unexcused absence.

Late Papers and Assignments: All papers, assignments, and quizzes are due at the beginning of class on the assigned due date.

Honesty Policy: It is not only acceptable, but encouraged that you help each other out with the homework. You are, however, responsible for understanding and learning the material. Simply copying the work of others does not allow you to understand the material, and you will suffer on the tests and quizzes.

All instances of academic dishonesty, including those defined in the current edition of the University of Dayton Student Handbook, will be handled in accordance with University policy.

Expectations: You are expected to:

- Read the appropriate chapter of the text **prior** to the class in which the material will be presented.
- Have an email account that you check at least every other day. All class email will be sent to the email address that you list at <http://address.udayton.edu>. Please check that your current email address is listed there, and if you are not using your Lotus Notes / UD account that you forward your Notes mail to the account that you are using. You are responsible for keeping your mailbox sufficiently empty so that you can receive class emails.

Goals:

1. Learn the meaning of fundamental statistical terms and concepts
2. Learn how to interpret fundamental statistical terms and concepts
3. Learn when to apply appropriate statistical procedures
4. Learn how to use the computer to analyze data

Syllabus: The syllabus is only an approximate outline to when material will be presented in class. Topics may be added or deleted as time permits.

Syllabus

Day	Date	Chapter	Topic	Assignment	Quiz
Wed	1/19	Chap 1	Introduction to Statistics	#1 Due 1/24	
Fri	1/21	Chap 2	Frequency Distributions	#2 Due 1/26	#1
Mon	1/24	Chap 3	Central Tendency		#2
Wed	1/26	Chap 3	Central Tendency	#3 Due 1/31	#3
Fri	1/28	Chap 4	Variability		
Mon	1/31	Chap 4	Variability	#4 Due 2/4	#4
Wed	2/2	Chap 5	z-Scores		
Fri	2/4	Chap 5	z-Scores	#5 Due 2/11	
Mon	2/7	EXAM	Exam 1 covers chapters 1 – 5, and material presented on 1/19 through 2/4 inclusive. Last day to withdraw without a record		
Wed	2/9	Chap 6	Probability	#6 Due 2/14	
Fri	2/11	Chap 7	Probability and Samples		#5
Mon	2/14	Chap 7	Probability and Samples	#7 Due 2/18	#6
Wed	2/16	Chap 8	Introduction to Hypothesis Testing		
Fri	2/18	Chap 8	Introduction to Hypothesis Testing		
Mon	2/21	Chap 8	Introduction to Hypothesis Testing	#8 Due 2/25	#7
Wed	2/23	Chap 9	Introduction to the t Statistic		
Fri	2/25	Chap 9	Introduction to the t Statistic		
Mon	2/28	Chap 9	Introduction to the t Statistic	#9 Due 3/9	
Wed	3/2	EXAM	Exam 2 covers chapters 6 - 9 and material presented on 2/9 through 2/28 inclusive		
Fri	3/4		Mid-term break		
Mon	3/7	Chap 10	The t Test for Two Independent Samples		
Wed	3/9	Chap 10	The t Test for Two Independent Samples		
Fri	3/11	Chap 10	The t Test for Two Independent Samples	#10 Due 3/16	#8
Mon	3/14	Chap 11	The t Test for Two Related Samples		
Wed	3/16	Chap 11	The t Test for Two Related Samples	#11 Due 3/21	#9
Fri	3/18	Chap 12	Estimation	#12 Due 3/23	
Mon	3/21	Chap 13	Introduction to the Analysis of Variance		
Wed	3/23	Chap 13	Introduction to the Analysis of Variance		
Fri	3/25	Chap 13	Introduction to the Analysis of Variance	#13 Due 3/30	#10

Day	Date	Chapter	Topic	Assignment	Quiz
Mon	3/28	Chap 14	Repeated-Measures Analysis of Variance		
Wed	3/30	Chap 14	Repeated-Measures Analysis of Variance	#14 Due 4/6	
Fri	4/1	EXAM	Exam 3 covers chapters 10 - 14, and material presented on 3/7 through 3/30 inclusive.		
Mon	4/4	Chap 15	Two-Factor Analysis of Variance Last day to withdraw with a record of W		
Wed	4/6	Chap 15	Two-Factor Analysis of Variance		
Fri	4/8	Chap 15	Two-Factor Analysis of Variance	#15 Due 4/15	#11
Mon	4/11	Chap 16	Correlation		
Wed	4/13		No Class – Stander Symposium		
Fri	4/15	Chap 16	Correlation	#16 Due 4/20	#12
Mon	4/18	Chap 17	Introduction to Regression		
Wed	4/20	Chap 17	Introduction to Regression	#17 Due 4/29	#13
Fri	4/22	Lab	No Class – Easter Recess		
Mon	4/25		No Cass – Easter Recess		
Wed	4/27	Chap 18	The Chi-Square Statistic		
Fri	4/29	Chap 18	The Chi-Square Statistic		

EXAM Exam 4 covers chapters 15 - 18, and material presented on 4/4 through 4/29, inclusive.

Section 01 (MWF 10): Tues, 5/3 12:20 to 2:10 PM

Section 02 (MWF 11): Fri., 5/6 12:20 to 2:10 PM