

Statistics

Psy 222

Statistics for the Behavioral and Social Sciences

Fall, 2005 T-TH 12:30-1:45

Instructor: Bret Roark, Ph.D.

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Office Hours:

MWF 3:00-5:00

TR 2:00-4:00

Textbook:

Aron, A. & Aron, E.(2003). Statistics for Psychology 3rd Edition. Upper Saddle River, NJ: Prentice Hall.

SPSS 13.0 Software

Course Objectives: The course objectives, and how they will be achieved, are:

1. To gain a theoretical understanding of each of the statistical analysis covered in class. This will be achieved through an exploration of the mathematical procedures involved in each analysis.
2. To gain the ability to select the appropriate statistical analysis when given a research description. This will be achieved by learning the criteria for selecting a procedure.
3. To gain the ability to conduct statistical analyses using modern methods. This objective will be achieved through lab sessions where the use of SPSS statistical software will be taught. Lab assignments will give students practice in analyzing data using computers.
4. To gain the ability to interpret and describe (in APA format) the results of statistical analyses you have conducted. This will be achieved through practice in writing Results sections for various analysis assignments.
5. To gain the ability to comprehend and evaluate the statistical analyses described in published research. This will be achieved through practice in reading and interpreting results sections of published research.

Course Format: The course will be taught using lecture and lab format. Lectures will describe and explain statistical concepts covered in the chapters. Example analyses will be conducted in class and homework will be assigned. Lab sessions will be held where the concepts and analyses discussed in class will be demonstrated on a computer.

Course Requirements: Students are expected to read the assigned material prior to coming to class and to complete homework assignments for each class. Homework will consist of practice problems from the chapter and lab assignments. Homework will be due at the beginning of the class day *following* the date on which the assignment is listed. Lab assignments will be given during labs and will cover each of the major statistical procedures. Lab assignments will be due at the beginning of the *following* lab.

Grading: The four exams will constitute 70% of your semester grade. The final exam will be comprehensive and constitute 15% of your semester grade. The chapter problems and labs constitute 15% of the semester grade.

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

Absences: Following University policy, if a student misses more than 25% of the scheduled classes, that student will receive a failing grade for this course. Absences on the days of exams will result in a grade of zero being given for that exam unless the absence was due to extremely unusual circumstances. Under such circumstances, a student may take a make-up exam if it is scheduled to be taken within 7 calendar days of the regularly scheduled exam. The student will be required to provide proof of the circumstances which necessitated missing an exam. Homework may not be turned in late or by another person.

Disabilities: Any student who has a disability should contact Canaan Crane and the Student Services Center, G.C. 209, as soon as possible to discuss possible accommodations.

COURSE SCHEDULE (tentative)

August

25 Ch. 1

30 Ch. 1 Prbs. 12, 15 (b,d), 19

September

01 Ch. 2 Prbs. 12, 19, 21

06 Ch. 3

08 Ch. 3 Prbs. 10 (b,c,e), 12, 17

13 Ch. 4

15 Ch. 4 Prbs. 11, 17 (a,b,d,e,f)

20 Exam (1 - 4)

22 Ch. 5

27 Ch. 5 Prbs. 12, 14 (a,c,e), 15, 17 (a,b)

29 Ch. 6 Prbs. 13, 15

October

04 Ch. 7

06 Ch. 7 Prbs. 14, 20 (a,b,c)

11 Ch. 8

13 Ch. 8 Prbs. 13, 19 (a,b), 21 (a,b)

18 Exam (5 - 8)

October

20 Fall Free Days

25 Ch. 9

27 Ch. 9 Prbs. 13, 15a, 16a

November

01 Ch. 10 Prbs. 12, 15a, 20

03 Ch. 11 Prbs. 15a, 18 (a,b), 20

08 Exam (9 - 11)

10 Ch. 12

15 Ch. 12 Prbs. Handout

17 Ch. 13

22 Ch. 13 Prbs. 14 (c,d), 22, 23

24 Thanksgiving

29 Ch. 14

December

01 Ch. 14 Prbs. 18a, 23a

06 Exam (12 - 14)

08 Review

12 Comprehensive Final

10:15-12:15

Statistics Grade Posting Permission Form

I understand that Dr. Roark will post grades for Statistics, IF he has a student's permission to do so. I understand that these grades will be posted in the hallway of Owens Hall, outside room 301 and may remain posted indefinitely. Posted grades will use the student's OBU identification number, NOT the student's name. If I would like to have my grades posted but do not want my OBU identification number used, I may select a different 6-digit number for Dr. Roark to use when posting grades. I understand that if I do not want my grades to be posted, that I can still obtain information about my grade by going to Dr. Roark's office during his office hours. I also understand that if I want to make any changes about the posting of my grades I must notify him in writing regarding that change.

_____ I **DO** give permission to Dr. Roark and Oklahoma Baptist University to publicly post my grades for any assignments and/or exams given in PSY 222 Statistics. This permission applies to the final grade in this course as well.

I want my grades posted using my ID# _____

OR

I want my grades posted using this 6-digit number _____

Name: _____

Date: _____