

STA 3024
Section 7459

Introduction to Statistics 2
Spring 2008

Meeting Time MWF 8th period (3:00–3:50 p.m.), Carleton 100

Instructor Doug Sparks
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Office hours
M5 W4 F5
or by appointment

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T10 W9 R9

Course Description and Objectives

This course satisfies general education credits in the mathematical sciences. Students learn how to summarize data and how to make appropriate decisions based on data. The prerequisite for this course is STA 2023, and concepts from it will be reviewed as needed. The sequence of courses STA 2023–3024 provides students with a firm foundation in the basics of applied statistical methods. Introduction to Statistics 2 focuses on the following four topics:

- **Analysis of variance** to compare three or more population means.
- **Inference for regression**, covering simple linear regression and multiple regression.
- **Analysis of two-way tables** to study the relationship between two categorical variables.
- **Nonparametric statistics** that do not require a normally distributed response variable.

Course Website

I will post announcements, lecture notes, and other course information at <http://www.stat.ufl.edu/~dksparks/sta3024>. A link to the course website is also available through E-Learning (<http://lss.at.ufl.edu>).

Textbook

You will need all 14 chapters of *Statistics: The Art and Science of Learning from Data*, by Alan Agresti and Chris Franklin, Prentice Hall, 2007. If you bought Volume 1 (Chapters 1-9) for STA 2023, you can buy Volume 2 (Chapters 10-14) to complete it.

Calculators

For exams, quizzes, and homework problems, it will be helpful to have a calculator that performs some basic statistical functions, such as finding the standard deviation. Any scientific or graphing calculator will work. (If it was fine for STA 2023, it will be fine for this course.) Please be aware that saving notes into your calculator and then accessing them during an exam is considered cheating and will be dealt with accordingly.

Exams

There will be two in-class exams during the semester, plus a cumulative final exam, which will be given during exam week in the assigned exam period. All exams will be closed-book and multiple-choice. The exam dates will be:

Exam 1	Wednesday, February 13, 3:00–3:50 p.m.
Exam 2	Wednesday, April 2, 3:00–3:50 p.m.
Final Exam	Thursday, May 1, 12:30–2:30 p.m.

If you are unable to take an exam due to conflict or illness, you should contact me as soon as possible to discuss your options. Valid documentation will be required for any make-ups. Please note that wanting to leave early for summer is not a legitimate conflict for the final exam. Do not make travel plans that prevent you from being in Gainesville on May 1.

Online Quizzes

There will be several quizzes administered online through E-Learning, which can be accessed at <http://lss.at.ufl.edu>. You will have three opportunities to complete each quiz. Be aware that if you wait until the last second to take the quiz, you will get very little sympathy if you happen to have computer problems.

Project

I will assign a data analysis project (details to be announced). I also reserve the right to split the project into two smaller projects if necessary.

Homework

Homework will not be collected, but I will post problems from the book that will help illustrate the material. Questions from the homework might appear on the exams.

Attendance

Although attendance is not required, it is strongly recommended.

Grading

Your semester grade will consist of the following components:

Exam 1 (in-class)	100 points
Exam 2 (in-class)	100 points
Final Exam	200 points
Online Quizzes	50 points
Project	50 points
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Total	500 points

The semi-flexible grading scale will be:

A	448–500 points
B+	423–447 points
B	398–422 points
C+	373–397 points
C	335–372 points
D	298–334 points
E	0–297 points

I say this scale is semi-flexible because I may adjust these numbers downward (to help everyone's grades), but I will not adjust them upward. In compliance with UF Statistics Department policy, I will not give a grade of D+.

“Incomplete” Grades

A grade of “Incomplete” will only be given under extraordinarily extenuating circumstances that prevent the student from completing the course requirements. Having a failing grade in the course is not an extraordinarily extenuating circumstance.

Students with Disabilities

Any student requesting accommodations for disabilities must first register with the Dean of Students Office, who will provide documentation to the student, who must then provide this documentation to me privately as soon as possible.

Privacy Policies

Student records are confidential. Only information designated “UF directory information” may be released without your written consent. This includes requests from parents or anyone else who contacts me about your performance in the class.