

STA 3024
Section 1053

Introduction to Statistics 2
Summer A 2008

Meeting Time MTWRF 2nd period (9:30–10:45 a.m.)
MCCB (MCCARTY HALL B) G086

Instructor	Aixin Tan	Griffin-Floyd 218	atan@stat.ufl.edu
TA	Jennifer Denson	Griffin-Floyd 105	abderite@stat.ufl.edu
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Table 1: Tutoring Hours

	Mon	Tue	Wed	Thu	Fri
11:00-12:15am		Aixin		Aixin	Aixin
12:30-01:45pm					
02:00-03:15pm	Jennifer	Shibasish	Jennifer	Haibing	Shibasish
03:30-04:45pm	Haibing	Shibasish	Jennifer	Haibing	

1. Course Website

I will post announcements, lecture notes, and other course information at <http://www.stat.ufl.edu/~atan>.

2. 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.

3. 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.

4. Grading

Your semester grade will consist of the following components:

Three in-class Exams	200 points	(See 4.1 for details)
Three in-class Quizzes	20 points	(See 4.2 for details)
Total	220 points	

The semi-flexible grading scale will be:

A	≥ 198 points
B+	187–197 points
B	176–186 points
C+	165–175 points
C	154–164 points
D	143–153 points
E	0–142 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+.

4.1 Exams

There will be three in-class exams during the semester. All exams will be closed-book and multiple-choice. The exam dates will be:

Exam 1	Friday, May 23, 9:30–10:45 a.m.
Exam 2	Friday, June 6, 9:30–10:45 a.m.
Exam 3	Thursday, June 19, 9:30–10:45 a.m.

Each exam is 100 points. The lowest exam score will be dropped. There will be **NO makeup exams**.

You should try your best to take all three exams. To encourage you to do so, I will grant (quite a few) bonus points in the following way.

- Suppose your three exam scores, ordered from the highest to the lowest, are $X \geq Y \geq Z$, then you get $(X + Y) \times Z/1000$ bonus points. In other words, you will earn

$$X + Y + (X + Y) \times \frac{Z}{1000} = (X + Y) \times \left(1 + \frac{Z}{1000}\right)$$

points towards your semester grade from taking exams.

4.2 Quizzes

There will be three in-class quizzes. Each quiz is 10 points. The lowest quiz score will be dropped. The quizzes will be given during the weeks that have no exams, probably on Thursdays or Fridays.

5. 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 quizzes and exams.

6. 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.

7. 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.