

STA 3024 Introduction to Statistics 2 Fall 2025

Instructor Information

Instructor: Stephanie Stine

Office: 117B Griffin Floyd Hall

Phone Number: (352) 273-2975

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Office Hours EST: Monday and Thursday 10:00am – 11:30am, Wednesday 1:00pm – 2:30pm.

Teaching Assistant Information

Teaching Assistants: Sabrina Fortney, Katherine Yalch, Kierstenn Loren

email: Contact the teaching assistants through Canvas email

Office Hours EST: Sabrina: M (in-person) 2pm-4pm and R (online) 3:10pm-5:10pm, Katherine: T (in-person) 12pm-2pm and F (in-person) 12pm-2pm, Kierstenn: W (in-person) 3pm-5pm and R (in-person) 1pm-3pm.

Course Information

Class Times: Monday, Wednesday, Friday: 8:30am – 9:20am (Period 2) in TUR L005.

Course Website: <https://elearning.ufl.edu>

Course Description and Objectives

In this course, students learn how to summarize data, analyze it, and make appropriate decisions based on it. The sequence of courses STA 2023-3024 provides students with a firm foundation in the basics of applied statistical methods. The prerequisite for this course is STA 2023, which covered chapters 1-10 in the textbook (data collection, graphical and numerical summaries, probability, and an introduction to statistical inference). Concepts from STA 2023 will be reviewed as needed.

By the end of the course, students will be able to

1. Solve Analysis of Variance problems to compare three or more population means.
2. Construct Simple Linear Regression and Multiple Regression models to predict a quantitative response.
3. Analyze Two-Way Tables to study the relationship between two categorical variables.
4. Apply nonparametric statistics that do not require a Normal distribution of the response variables.

Required Course Materials

Lecture Notes: These are needed to follow along with the lectures. You can print them from the Course Materials link on the course home page. Alternatively, you can use them electronically if your device is able to write on a pdf.

Calculator: You will need a calculator with some basic statistical functions such as mean and standard deviation. The calculator will be needed for in class exams.

Access Pearson: Purchase this through UF All Access for around \$76 for the semester. See the instructions on this [flyer](#) for opting in to UF All Access.

Reliable Computer: This includes having access to an Internet connection. You will need this to view Canvas, complete the homework, and turn in the computer assignments.

Course Assignments

In this class, your overall grade will be made up of homework, computer assignments and exams.

Homework: There will be approximately eight homework assignments. These will be online through Access Pearson. You will need to opt in to UF All Access to be able to complete them. The tentative due dates are given on the course schedule at the end of the syllabus.

Assignments: There will be three computer assignments (CA). Each assignment is similar to a small project and will practice the concepts learned in the course. The computer assignment is due by 11:59pm on the date given on the course schedule. There will be a 5-point penalty per day that the assignment is late. It will not be accepted after the second day beyond the due date.

Academic dishonesty on any assignments will be considered an honor code violation and reported via the SCCR process.

Exams: There will be three in-class exams during the semester. You will need to bring to the exam your student UFID#, picture ID, calculator, and pencils/eraser. Smart devices, or any type of device that connects to the Internet or other people are not allowed.

In the case of conflict or illness, you must contact me at s.stine@ufl.edu prior to the exam – as soon as you realize you will be unable to take the exam at the scheduled time. As a pre-requisite for arranging a make-up exam, valid and detailed documentation is required. Each case will be reviewed individually. There are no retakes.

Academic dishonesty on any exam will be considered an honor code violation and reported via the SCCR process.

Exam	Exam Dates
Exam 1	Friday October 3rd, 8:30am – 9:20am
Exam 2	Wednesday November 5th, 8:30am – 9:20am
Exam 3	Wednesday December 3rd, 8:30am – 9:20am

Grading Structure

For this course your overall grade will be determined as follows.

Assessment	% of Grade
Exams (3 exams at 24% each)	72%
Assignments	20%
Homework	8%

The grading scale for the course is given below.

Letter Grade	Percent
A	91% to 100%
A-	88% to 90%
B+	85% to 87%
B	81% to 84%
B-	78% to 80%
C+	75% to 77%
C	68% to 74%
C-	65% to 67%
D	60% to 64%
E	0% to 59%

Current UF grading policies for assigning grade points can be found on the [Grades and Grading Policies](#) webpage.

Accommodations for Students with Disabilities

Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the Disability Resource Center. See the “[Get Started With the DRC](#)” webpage on the Disability Resource Center site. It is important for students to share their accommodation letter with their instructor and discuss their access needs, as early as possible in the semester. Accommodations cannot be given retroactively.

Course Evaluation Process

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online. Students can complete evaluations in three ways: [1] The email they receive from GatorEvals; [2] Their Canvas course menu under GatorEvals; or [3] The central portal at <https://my-ufl.bluera.com>. Guidance on how to provide constructive feedback is available at <https://gatorevals.aa.ufl.edu/students/>. Students will be notified when the evaluation period opens. Summaries of course evaluation results are available to students at <https://gatorevals.aa.ufl.edu/public-results/>.

Course Policies

Attendance: You should arrive to class on time and attend all lectures. Exams will be based on the lecture notes, assignments and homework problems. If you miss class for any reason, it is your responsibility to get the notes and other information you have missed. While in class you should not use your cellphones and refrain from eating, drinking, excessive talking and doing homework for other classes.

Extensions/Make-Up Policy: If you miss a deadline due to illness or other reason, you will be required to provide documentation before an assignment deadline extension or make-up exam will be given. Each case will be reviewed individually.

Requirements for make-up exams, assignments, and other work in this course are consistent with university policies. See [UF Academic Regulations and Policies](#) for more information regarding the University Attendance Policies.

Grading: Grades will only be changed when an error has been made. Grade negotiation is not appropriate.

Incomplete: Incompletes are only assigned when extraordinary circumstances, arising after more than two-thirds of the course has been completed, prevent the student from completing the course requirements. Having a failing grade in the course is not a valid reason for requesting an Incomplete.

Privacy Policy: Student records are confidential. Only information designated as “UF directory information” may be released without your written consent. UF views each student as the primary contact for all communication. If your parents contact me about your grade, attendance or other information that is not “UF directory information” I will ask them to contact you.

Email: If you have a question regarding the class or your grade, please email me, Stephanie Stine at s.stine@ufl.edu. Your message will be answered within two working days.

UF Policies

University’s Honesty Policy: UF students are bound by The Honor Pledge which states, “We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code.” On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: “On my honor, I have neither given nor received unauthorized aid in doing this assignment.” The Conduct Code specifies a number of behaviors that are in violation of this code and the possible sanctions. See the [UF Conduct Code](#) website for more information. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Class Recording: Students are allowed to record video or audio of class lectures. However, the purposes for which these recordings may be used are strictly controlled. The only allowable purposes are (1) for personal educational use, (2) in connection with a complaint to the university, or (3) as evidence in, or in preparation for, a criminal or civil proceeding. All other purposes are prohibited. Specifically, students may not publish recorded lectures without the written consent of the instructor.

A “class lecture” is an educational presentation intended to inform or teach enrolled students about a particular subject, including any instructor-led discussions that form part of the presentation, and delivered by any instructor hired or appointed by the University, or by a guest instructor, as part of a University of Florida course. A class lecture does not include lab sessions, student presentations, clinical presentations such as patient history, academic exercises involving solely student participation, assessments (quizzes, tests, exams), field trips, private conversations between students in the class or between a student and the faculty or lecturer during a class session.

Publication without permission of the instructor is prohibited. To “publish” means to share, transmit, circulate, distribute, or provide access to a recording, regardless of format or medium, to another person (or persons), including but not limited to another student within the same class section. Additionally, a recording, or transcript of recording, is considered published if it is posted on or uploaded to, in whole or

in part, any media platform, including but not limited to social media, book, magazine, newspaper, leaflet, or third party note/tutoring services. A student who publishes a recording without written consent may be subject to a civil cause of action instituted by a person injured by the publication and/or discipline under UF Regulation 4.040 Student Honor Code and Student Conduct Code.

Campus Resources

Health and Wellness

College can be a very stressful time in a person's life. Resources are available on campus to help students meet academic goals and solve personal problems, which may interfere with their academic performance. If you find that you are having difficulty emotionally or academically, there is substantial support available. See "A Self Help Guide for Students" or contact one of the following services:

- **U Matter, We Care:** If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit <https://umatter.ufl.edu> to refer or report a concern and a team member will reach out to the student in distress.
- **Counseling and Wellness Center:** Visit <https://counseling.ufl.edu> or call 352-392-1575 for information on crisis services as well as non-crisis services.
- **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit <https://shcc.ufl.edu>.
- **University Police Department:** Visit <https://police.ufl.edu> or call 352-392-1111 (or 9-1-1 for emergencies).
- **UF Health Shands Emergency Room/Trauma Center:** For immediate medical care in Gainesville, call 352-733-0111 or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608.
- **GatorWell Health Promotion Services:** For prevention services focused on optimal wellbeing, including Wellness Coaching for Academic Success, visit <https://gatorwell.ufsa.ufl.edu> or call 352-273-4450.

Any student who has difficulty affording groceries or accessing sufficient food to eat every day, or who lacks a safe and stable place to live and believes this may affect their performance in the course, is urged to contact the Dean of Students (202 Peabody Hall, 392-1261) for support. Furthermore, please notify your instructor(s) if you are comfortable in doing so. This will enable us to provide any resources that we may possess.

Academic Resources

- E-learning technical support: Contact the [UF Computing Help Desk](#) at 352-392-4357 or via e-mail at helpdesk@ufl.edu
- [Career Connections Center](#): Reitz Union Suite 1300, 352-392-1601. Career assistance and counseling services, <https://career.ufl.edu/>
- [Library Support](#): Various ways to receive assistance with respect to using the libraries or finding resources. Call 866-281-6309 or email ask@ufl.libanswers.com for more information.
- [Teaching Center](#): 1317 Turlington Hall, Call 352-392-2010, or to make a private appointment: 352-392-6420. Email contact: teaching-center@ufl.edu. General study skills and tutoring.

- [Writing Studio](#): Daytime (9:30am-3:30pm): 2215 Turlington Hall, 352-846-1138 | Evening (5:00pm – 7:00pm): 1545 W University Avenue (Library West, Rm. 339). Help brainstorming, formatting, and writing papers.
- Academic Complaints: Office of the Ombuds; [Visit the Complaint Portal webpage for more information](#).
- Enrollment Management Complaints (Registrar, Financial Aid, Admissions): [View the Student Complaint Procedure webpage for more information](#).

Weekly Course Schedule

Tentative STA 3024 Fall 2025 Schedule (due dates subject to change)					
Date	Day	Topic	Textbook Section	Homework	Assignment
8/22	F	Syllabus; Review: Sampling Distributions	7.1, 7.2		
8/25	M	Review: Descriptive Statistics			
8/27	W	Inference Review: One Mean	8.3, 9.3		
8/29	F	Inference Review: Two Independent Means	10.2		
9/1	M	<i>Labor Day – no class</i>			
9/3	W	Inference Review: Dependent Means (Matched Pairs)	10.4		
9/5	F	Nonparametric: Rank Sum Test	15.1	HW1	
9/8	M	Permutation Resampling	10.3		
9/10	W	Nonparametric: Sign Test; Wilcoxon Signed-Rank Test	15.2		
9/12	F	The F Test for two group variances		HW2	
9/15	M	Review: Design of Experiments	Ch. 4		
9/17	W	One-Way ANOVA	14.1		
9/19	F	One-Way ANOVA	14.1		
9/22	M	Bonferroni and Tukey Methods	14.2		
9/24	W	Two-Way ANOVA	14.3		
9/26	F	Two-Way ANOVA	14.3	HW3	
9/29	M	Nonparametric: Kruskal-Wallis Test	15.2		
10/1	W	Exam 1 Review			CA 1
10/3	F	Exam 1		HW4	
10/6	M	Review: Simple Linear Regression	Ch 3, 12.1		
10/8	W	Inference for the Slope	12.2		
10/10	F	Correlation; How the Data Vary Around the Regression Line	12.3, 12.4		
10/13	M	Virtual Exchange Introduction (Tentative)			
10/15	W	Transformations	12.5	HW5	
10/17	F	<i>Homecoming – no class</i>			
10/20	M	Multiple Regression	13.1		
10/22	W	Extending the Correlation Coefficient and R^2 for MR	13.2		
10/24	F	Inference for the MR Slope	13.3		
10/27	M	Residual Plots	13.4		
10/29	W	Regression and Categorical Predictors	13.5		
10/31	F	Modeling a Categorical Response: Logistic Regression	13.6	HW6	
11/3	M	Exam 2 Review			CA 2
11/5	W	Exam 2			
11/7	F	Inference Review: One Proportion	8.2, 9.2		
11/10	M	Inference Review: Two Independent Proportions.	10.1		

11/12	W	Association for Categorical Variables	11.1		
11/14	F	Chi-Squared Distribution; Test for Goodness of Fit	11.2	HW7	
11/17	M	Chi-Squared Tests for Independence and Homogeneity	11.2		
11/19	W	Relative Risk and the Odds Ratio	11.3		
11/21	F	Fisher's Exact Test and Permutation Test	11.5	HW8	CA 3
11/24	M	<i>Thanksgiving – no class</i>			
11/26	W	<i>Thanksgiving – no class</i>			
11/28	F	<i>Thanksgiving – no class</i>			
12/1	M	Exam 3 Review			
12/3	W	Exam 3			