



Fall 2022

Florida State University, Department of Statistics

Main office 214 OSB, phone 850-644-3218.

FSU Police non-emergency: 850-644-1234.

Emergency: 911.

### Course Information

Name: Fundamental Business Statistics

Course Code: STA 2023 Section: 18, 29 & 30

Credit-hours: 3

Format: F2F

Class Meeting Days, Times, Locations: **T R 4.50 - 6.05pm OSB 108**

Students will need to follow the University's current health and safety guidelines when they attend class.

Final Exam Day & Time: Monday December 5th at 3:00-5:00pm.

Prerequisites: None, but we recommend two years of high school algebra.

Special Note: High school students who earn a "3" or better on the AP Statistics exam can be given credit for STA 2023.

Please note that, for each class period, if no students show up within the first 15 minutes, or if there is a 15-minute stretch of time when no students show up after the last student has left, then the rest of the period will be cancelled. The next lecture will begin where the cancelled lecture would have left off, and the next assessment will include the material that would have been taught in the cancelled lecture.

Course website: <https://canvas.fsu.edu>

Canvas Support

Email: [canvas@fsu.edu](mailto:canvas@fsu.edu)

Phone: 850-644-8004

Website: <https://support.canvas.fsu.edu/home/>

Hours: 8am-5pm, Mon-Fri

Please turn on the course notifications in Canvas by going to Account/Notifications and selecting the *Notify immediately* option for all of the items under Course Activities.

Please check your FSU email and the course announcements every day.

If you communicate with me via email, please use your [@fsu.edu](mailto:@fsu.edu) account.

We will not use Honorlock.

### Instructor Information

Name: Sanwayee Kundu

Email: [skundu@fsu.edu](mailto:skundu@fsu.edu)

You may expect a response from me within two workdays in Fall/Spring, or one work day in Summer.

Office Hours & Locations: Every **Tuesday 3.30-4.30pm 201B**

If you are unable to come at this time, please email me to set up an appointment.

## Grader Information

Name: Aaid Algahtani

Email: aalgahtani@fsu.edu

Office Hours & Locations: By appointment only 208B

## Course Description

The course covers statistical applications in business, involving graphical and numerical descriptions of data, data collection, correlation and simple linear regression, elementary probability, random variables, Binomial and Normal distributions, sampling distributions, and confidence intervals and hypothesis tests for a single sample.

The purpose of this course is to prepare students for further study and job preparation in the field of Business. It will emphasize understanding of data and interpretation of statistical analyses. It will require students to think of data, and report the results of their analyses, in context.

## Learning Objectives

This course has been approved to meet FSU's Liberal Studies **Quantitative and Logical Thinking** requirements and helps you become a critical analyst of quantitative and logical claims.

In order to fulfill the State of Florida's College mathematics and computation requirement the student must earn a "C-" or better in the course.

By the end of the course, students will demonstrate the ability to:

1. Select and apply appropriate methods (i.e., mathematical, statistical, logical, and/or computational models or principles) to solve real-world problems.

2. Use a variety of forms to represent problems and their solutions.

The above two competencies will be assessed in the Liberal Studies Quantitative Assessment for STA 2023, which includes a written summary of results.

3. Use descriptive statistics and graphical methods to summarize data accurately.

4. Use inferential statistics to make valid judgments based on the data available.

5. Describe the goals of various statistical methodologies conceptually.

6. Apply statistical techniques in the context of business processes, everyday life, and further studies in their discipline.

7. Develop a healthy skepticism toward statistical studies and their results based on a sensible consideration of the techniques employed.

## Required Materials

- A personal computer, reliable internet connection, and Chrome or Firefox browser.

- A TI-84 Plus or equivalent calculator. We will teach you how to use a TI-84 series calculator, but we cannot promise to be able to help with any other type of calculator.

A textbook is not required for this class. The instructor will provide all required course notes and exercises.

Please note that the materials provided by the instructor were put together for your individual use only. We ask that you do not share them, especially with third parties who are not enrolled in this class. If you seek help outside of class, then you may, of course, allow your helper to see the materials, but please do not allow them to make copies or in any other way take our material. We appreciate your co-operation in protecting our material. Thank you!

## Additional Resource

The following free online textbook is an additional resource that you might find useful: Introductory Statistics from OpenStax, Print ISBN 1938168208, Digital ISBN 1947172050,

[www.openstax.org/details/introductory-statistics](http://www.openstax.org/details/introductory-statistics).

## Note on Technology-dependent Assessments

This course is technology-dependent. While we will do our best to work with you on technology issues, please be aware that if you take an assessment but we can find absolutely no record of the fact, then we will not be able to give you credit for it. Please do not use Safari when you take assessments on Canvas, please use Chrome or Firefox.

## Assessments

All assessments are online on Canvas.

### Open Quizzes (OQs):

- collaboration is allowed and unlimited attempts are allowed for each quiz
- the One-sample Confidence Intervals open quiz and the One-sample Hypothesis Tests open quiz cannot be dropped
- of the other open quizzes, the lowest two percentage grades will be dropped
- OQs will be posted as we go, and all except the final OQ will be due on the last day of classes, the final OQ will be due during final exams week
- **extensions are not allowed for the open quizzes**

### Timed Quizzes (TQs):

- collaboration and internet sources (except the course Canvas) are not permitted
- two timed attempts are allowed for each quiz
- the One-sample Confidence Intervals timed quiz and the One-sample Hypothesis Tests timed quiz cannot be dropped
- of the other timed quizzes, the lowest two percentage grades will be dropped
- each TQ (not including the final TQ) will be available from Thursday 12:01am until Sunday 11:59pm after the relevant chapter has been completed in lecture
- the final TQ will be available for a few days starting the day after the last day of classes

### LSQA:

- collaboration and internet sources (except the course Canvas) are not permitted
- two timed attempts are allowed
- cannot be dropped
- the LSQA will be available from Thursday 12:01am until Sunday 11:59pm after the relevant chapter has been completed in lecture

## Grades

- Assessments that are not submitted will receive a grade of zero. When a makeup is submitted, the zero will be replaced with the earned grade.
- If you believe that the grade you received on an assessment is incorrect, please bring it to my attention within 48 hours after the grade has been made available to you. If no issues are raised during that 48-hour time frame, then it will be assumed that the grade is accepted and subsequent requests for a grade review may not be granted.

- If you request a quiz extension, please check your email every 12 hours until you receive a response saying that the extension was granted/denied. Email grader for extensions.
- An extension on a specific quiz will NOT be granted if you have three or more prior outstanding quizzes. For example, if you request an extension on Quiz 10 but you did not submit Quizzes 3, 5 & 8, then you will be denied an extension on Quiz 10.
- If multiple quiz extensions are required due to exceptional circumstances, then only three extensions will be granted at a time, and the extensions will follow the ordering of the quizzes. After you submit one of the extended quizzes, you will email your grader and ask them to reopen the next one. Please note that it may take a day or two for your grader to reopen a quiz after you email them, so you should send your email in a timely manner and check your email every 12 hours for a response.
- The last day of classes is the ultimate deadline for all quiz extensions except the final quiz.
- After the last day of classes, there will be no make-ups, no extra credit assignments, and in general, no opportunities for grade improvement, so please do your best during the term.
- After the final quiz is over, the class will be absolutely and completely over. This means that all assessments will be completely over and absolutely no extensions will be granted.
- Please ignore the grade totals or averages that you may see on the course website; they are not correct and unfortunately it is not possible to disable them. In this class, we only store and display individual assessment grades on the course website, we do not do grade calculations there.
- All grades will be recorded as percentages, and these percentages (not points) will be used in your overall course grade calculation:  $(\text{OQ Average} * 0.20) + (\text{LSQA} * 0.10) + (\text{TQ Average} * 0.65) + (\text{attendance} * 0.05)$ .

LSQA 10%

Timed quizzes 65% (collaboration not allowed)

Open quizzes 25% (collaboration allowed)

Attendance 5%

Total 105%

### **Grading scale (percent)**

A = [93, 105]

A- = [90, 93)

B+ = [87, 90)

B = [83, 87)

B- = [80, 83)

C+ = [77, 80)

C = [73, 77)

C- = [70, 73)

D+ = [67, 70)

D = [63, 67)

D- = [60, 63)

F = [0, 60)

A request for a grade of “Incomplete” will

~ NOT be granted if you have completed the coursework, including the assessments that cannot be dropped and excluding the drops and allowable absences.

~ be granted only if both of the following conditions are satisfied:

- (1) the only assessment that you have yet to take is the final assessment, and
- (2) your overall average excluding the final assessment is a passing grade (70% or above).

### **Sexual Misconduct and Title IX Reporting**

As an instructor, I am obliged to report all instances of sexual misconduct and other Title IX issues that I become aware of to the University’s Title IX Director; I cannot hold such information confidential. If you would like to discuss your situation in confidence, you may contact the Victim Advocate Program (<https://dos.fsu.edu/vap/>), Counseling & Psychological Services (<https://counseling.fsu.edu/>), the Employee Assistance Program (<https://eap.fsu.edu/>), University Health Services (<https://uhs.fsu.edu/>), or pastoral counselors. If you would like to submit a report to the University’s Title IX Director, please go to <https://report.fsu.edu/>.

### **Final Exam Rescheduling Policy**

***You may not take the final exam before final exams week.*** Individual students who need to reschedule the final exam for a different time during final exams week should talk to me about it first to get my approval and then fill out and follow the instructions on the “Request to Reschedule a Final Examination” form at [https://artsandsciences.fsu.edu/sites/g/files/upcbnu321/files/2022-01/Request to Reschedule\\_01032022.pdf](https://artsandsciences.fsu.edu/sites/g/files/upcbnu321/files/2022-01/Request_to_Reschedule_01032022.pdf).

The form needs to be submitted to the College of Arts and Sciences before 5pm on the last day of classes. If you experience a documented emergency that prevents you from observing the above deadline, contact me as soon as you are able to, and we’ll take it from there.

### **University Attendance Policy**

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness. Drop and Withdrawal deadlines are given in the University’s academic calendar at <https://registrar.fsu.edu/calendar/>.

### **Academic Honor Policy**

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to "...be honest and truthful and...[to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/academic-resources/academic-integrity-and-grievances/academic-honor-policy>)

### **Academic Success**

Your academic success is a top priority for Florida State University. University resources to help you succeed include tutoring centers, computer labs, counseling and health services, and services for designated groups, such as veterans and students with disabilities. The following information is not exhaustive, so please check with your advisor or the Department of Student Support and Transitions to learn more.

## Americans with Disabilities Act

Florida State University (FSU) values diversity and inclusion; we are committed to a climate of mutual respect and full participation. Our goal is to create learning environments that are usable, equitable, inclusive, and welcoming. FSU is committed to providing reasonable accommodations for all persons with disabilities in a manner that is consistent with academic standards of the course while empowering the student to meet integral requirements of the course.

Students with disabilities needing academic accommodation should:

- (1) register with and provide documentation to the Office of Accessibility Services; and
- (2) request a letter from the Office of Accessibility Services to be sent to the instructor indicating the need for accommodation and what type; and,
- (3) meet (in person, via phone, email, skype, zoom, etc...) with each instructor to whom a letter of accommodation was sent to review approved accommodations.

Please note that instructors are not allowed to provide classroom accommodations to a student until appropriate verification from the Office of Accessibility Services has been provided.

This syllabus and other class materials are available in alternative format upon request.

For the latest version of this statement and more information about services available to FSU students with disabilities, contact the:

Office of Accessibility Services  
874 Traditions Way  
108 Student Services Building  
Florida State University  
Tallahassee, FL 32306-4167  
(850) 644-9566 (voice)  
(850) 644-8504 (TDD)

[oas@fsu.edu](mailto:oas@fsu.edu)

<https://dsst.fsu.edu/oas>

Academic accommodations will be provided as soon as possible after verification is received. Academic accommodations are not retroactive, so they will not apply to lectures/lessons and assessments that took place before verification was received.

## Confidential Campus Resources

Various centers and programs are available to assist students with navigating stressors that might impact academic success. These include the following:

Victim Advocate Program University Center A, Rm. 4100 (850) 644-7161 Available 24/7/365 Office Hours: M-F 8-5 <a href="https://dsst.fsu.edu/vap">https://dsst.fsu.edu/vap</a>	Counseling and Psychological Services Askew Student Life Center, 2nd floor 942 Learning Way (850) 644-8255 <a href="https://counseling.fsu.edu/">https://counseling.fsu.edu/</a>	University Health Services Health and Wellness Center (850) 644-6230 <a href="https://uhs.fsu.edu/">https://uhs.fsu.edu/</a>
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## Disaster

At times of severe weather or other disasters, please check your FSU email, your text messages, the Seminole Safe App and FSU Alerts (<https://alerts.fsu.edu/>) as often as you can to keep yourself informed. In the absence of internet access, you may call 850-644-4636 for updates. Check for the latest information every day before you leave home so that you don't miss any last-minute announcements. If the University closes due to a disaster, we will all be informed via the above means, and classes and office hours will be automatically cancelled even if I don't announce it. As long as the University remains open, classes will still be on. However, please practice safety first. If it will be unsafe for you to come

to class due to the effects of a disaster, please do not attempt to come in. You will not be penalized; we will work with you. You can sign up to receive alerts via SMS text messages here: <https://emergency.fsu.edu/services/fsu-alert-emergency-notificationwarning-system/fsu-alert-sms-text-messages>. See here for other ways in which FSU delivers warnings: <https://emergency.fsu.edu/services/fsu-alert-emergency-notificationwarning-system>.

### **Syllabus Change Policy**

Except for changes that substantially affect implementation of the evaluation (grading) statement, this syllabus is a guide for the course and is subject to change with advance notice.

### **Classes Subject to HB233 Recording**

In this class, consistent with state law and university policy, students are permitted to make recordings of class lectures for personal use only. As noted, sharing, posting, or publishing classroom recordings may subject you to honor code violations and legal penalties associated with theft of intellectual property and violations of other state law. Moreover, students and educators have expressed concern that recording classroom activities may negatively impact the learning experience for others, especially in classes that involve questions, discussion, or participation. To protect a learning environment in which everyone feels free to experiment with ideas, we ask you refrain from recording in ways that could make others feel reluctant to ask questions, explore new ideas, or otherwise participate in class. Students must monitor their recording so that they do not include participation by other students without permission. Students with disabilities will continue to have appropriate accommodation for recordings as established by the Office of Accessibility Services.