Math 3670
Probability and Statistics with Applications
Summer 2019

Catalog Description
Introduction to probability, probability distributions, point estimation, confidence intervals, hypothesis testing, linear regression and analysis of variance.

Prerequisites
MATH 2401 or MATH 24X1 or MATH 2411 or MATH 2551 or MATH 2550 or MATH 2X51.

Textbook

Instructor
Dr. Alexandre Locquet, Office 206.
Communication: Please send me messages using Canvas only. ("Inbox" tab on your dashboard)

Lectures
Every day, 3:30pm-4:30pm.

Office hours
TBD, Office 206. Please send me a message me through Canvas if you want to schedule an appointment.

Attendance
Attendance is worth 1.5%. Attendance Polling using Turning Point Technology and/or attendance sheets will be used to count the number of absences. Students need to install the TurningPoint app on a mobile device and bring their mobile device to class. As a Georgia Tech student, installation and use of the app is free. In the TurningPoint settings, you need to set your region to "North/South America" and not to Europe. Students who do not miss more than 2 lectures during the entire term get 1.5% for attendance. Students who miss more than 2 classes get 0% for attendance. Students who do not miss any class get a 0.5% attendance bonus. Illness is the only acceptable reason for missing a lecture, but you will need to produce a doctor's note (not a prescription) stating that you are not able to attend the lecture.

In-Lecture Polling
Students will be asked to answer questions during some lectures, using the Turning Point app. Students who will have correctly answered at least 80% of all questions asked get a 1% bonus.
Grading Policy

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<tr>
<td>Homework</td>
<td>3.5%</td>
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<tr>
<td>Quiz 1 (90 mins)</td>
<td>30%</td>
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<td>Quiz 2 (90 mins)</td>
<td>30%</td>
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<td>Final Exam (3 hours)</td>
<td>35%</td>
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<tr>
<td>Attendance</td>
<td>1.5%</td>
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The quizzes and the final examination will be closed-book and notes. The use of a calculator will be allowed. Any request for regrading a quiz must be made to the instructor within one week of getting the homework/quiz back. **There will be no make-up quizzes for any reason.** If you have an acceptable reason for missing a quiz, the weight associated to the quiz will be transferred to the Final Exam. Illness is an acceptable reason for missing a quiz, but you will need to produce a doctor’s note (not a prescription) stating that you are not able to take the quiz. A make-up final exam may be scheduled only for medical reasons documented by a doctor’s note (not a prescription).

Important Dates

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<td>Quiz 1</td>
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<td>Final Exam</td>
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Homework

Problems will be assigned roughly once every 1 or 2 weeks. **Homework should be submitted electronically on Canvas as a single, legible, pdf file.** The submission time on Canvas will be used to determine whether a homework is submitted on time or not: no exceptions will be made. A completion grade will be assigned. If a given homework 1) has been submitted on time and 2) every problem is answered, the student gets 0.5% credit. **If at least one of the conditions above is not satisfied, 0% credit will be assigned.** Specifically, if a homework is turned in late, 0% credit will be assigned to that homework. Illness is the only acceptable reason for turning in a homework late, but you will need to produce a doctor’s note (not a prescription) stating that you are not able to do the homework.

Student-Faculty Expectations Agreement

At Georgia Tech we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. See [http://www.catalog.gatech.edu/rules/22/](http://www.catalog.gatech.edu/rules/22/) for an articulation of some basic expectation that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.
**Honor Code**

Students are, of course, expected to abide by the [Georgia Tech Honor Code](#). Instances of academic misconduct will be viewed very seriously and reported to the Dean of Students.

**Feedback**

Anonymous feedback can be provided to the instructor using the link below:

[https://docs.google.com/forms/d/e/1FAIpQLSeCdgnMWhYMXHMNUJUlwcPd706nBW9NWaFkh4AehA2Dp_1tfw/viewform?usp=sf_link](https://docs.google.com/forms/d/e/1FAIpQLSeCdgnMWhYMXHMNUJUlwcPd706nBW9NWaFkh4AehA2Dp_1tfw/viewform?usp=sf_link)

You are also encouraged to fill in the course-instructor opinion survey (CIOS).
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