



STAT 2509

Lab 02

September 26th, 2019



Contact Information

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Labs:

Section A4: Thursdays 5:35-6:25, HP 4385

Section A3: Thursdays 6:35-7:25, HP 4385

Office Hours for Professor Said: Tuesdays 4:00-6:00, HP 4220

Math Tutorial Centre

- The math tutorial centre (MTC) opens on Friday, September 20th, and runs until Friday, December 6th
- Google “Carleton Math Tutorial Centre” to see full schedule (look for “P” and “S”)
- Mondays: 11-12:30 and 1-3
- Tuesdays: 10-3
- Wednesdays: 10-12:30 and 1-3
- Thursdays: 10-4
- Fridays: 11-3

Questions, Comments, Concerns

- If at any point during the semester you have any comments regarding the labs specifically, please feel free to use the following (anonymous, unless you choose to include your name):

<https://forms.gle/YGvrNr7ePeVv8YR19>

I will get an email to my phone whenever a response is submitted – feedback will be seen and taken into consideration promptly

- Examples of helpful feedback:
 - *Moving too quickly or too slowly*
 - *Talking too quickly or too slowly*
 - *Talking too quietly or too loudly*
 - *Font is too small or too big*

Assignment 1 - Comments

- Assignment 1 has been marked, you can pick it up at the end of the lab
- Make sure you staple properly, write your section number (A3 or A4), and your TA's name
- Please make sure you either print out the assignment page and put your answers in the blank spaces, OR if you are going to solve on a separate page, label your questions and circle your final answers
- No electronic assignments (without proper documentation)
- If you're going to scan your assignment, please make sure it's easy to read (use a scanner or a scanning app on your phone)
- You might lose marks for assignment 2 if you do not follow the correct format

Assignment 2

- Make sure you only use SAS if a part of a question tells you to; otherwise, you need to calculate by hand and show your work
- Recommendation: get comfortable solving assignment 2 using **only** the formula sheet and your calculator

100(1 - α)% CI for $E(Y_h)$ is: $\left(\hat{Y}_h \pm t_{\frac{\alpha}{2}}(n-2) \sqrt{MSE \left(\frac{1}{n} + \frac{(X_h - \bar{X})^2}{S_{xx}} \right)} \right)$

100(1 - α)% PI for Y_h is: $\left(\hat{Y}_h \pm t_{\frac{\alpha}{2}}(n-2) \sqrt{MSE \left(1 + \frac{1}{n} + \frac{(X_h - \bar{X})^2}{S_{xx}} \right)} \right)$