STAT 2507

Lab 01
September 17th, 2019

Contact Information

Email: melissa.vanbussel@carleton.ca

GitHub: https://www.github.com/melissavanbussel

Labs:

Section C1 (Alia Alkhathami):	Tuesdays 2:35-3:25, HP 4385
Section B6 (Tanvir Quadir):	Tuesdays 3:35-4:25, HP 4385

Office Hours:

Section C1 (Alia Alkhathami):	Tuesdays / Thursdays 12-1, HP 4260
Section B6 (Tanvir Quadir):	Wednesdays 6-7, 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

Assignment 1

- No electronic or late submissions (without documentation)

- Due: Tuesday, October 1st before lecture (not in lab)

- Assignments stapled properly

- Once they are marked, they can be picked up in lab (will be marked within 1 week of me receiving the assignments)

- Minitab components: you can access Minitab at home (Google: Carleton Minitab, follow instructions, or feel free to ask me for help)

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*

Today's Lab

- Introductions

- Stem-and-Leaf Plots in Minitab

- Statistical functions on calculators (an example)

- Questions 1-2 on Assignment 1

- Time to work on remainder of assignment individually, feel free to ask questions

Reading a Stem-and-Leaf Plot in Minitab

Stem-and-leaf of Wait times, N = 50

Leaf Unit = 1

3	8	023
8	8	56688
21	9	0111111222444
(6)	9	555799
23	10	0000111233
13	10	55667789
5	11	14
3	11	579

- ■ Number of observations (total)
- ■ Leaf Unit
- ■ Number of Observations / Counts (row)
- ■ Stem
- ■ Leaves
- ■ Row which contains the median
- ■ Minimum, maximum
- ■ Q1, Q3, median
- ■ Mean?

Calculating Mean & Standard Deviation Using CASIO fx-300MS

- 1. Clear the memory
  - *Click **SHIFT***
  - *Click **CLR***
  - *Click **1** (for Mcl)*
  - *When you see "Mem clear", click **AC** to finish clearing the memory*
- 2. Enter the data
  - *Click **MODE***
  - *Click **2** (for SD)*
  - *Type first data point then press **M+;** repeat until all values are entered*
- 3. Get the mean and standard deviation
  - *Click **Shift***
  - *Click **2** (for S-VAR)*
  - *Click 1 for sample mean, 3 for sample standard deviation*

Command Line in Minitab 19

- On Assignment 1, there are instructions saying to click Editor > Enable Commands

- If you are using Minitab 19, do the following instead: View > Command Line / History