




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://www.forms.gle/eVUytgF2uNfhkWkA6>

- 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