



STAT 2507

Lab 04

October 8th, 2019



Contact Information

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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

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

- Overall, very well done!
- Unit: **one** member of the set of all entities being studied
- Population: the set of **all** entities being studied

7. (18 points) The following is the number of passengers per flight in a sample of 34 flights from Ottawa, Ontario, to Hampton, Washington in 2018.

78	73	75	99	50	58	25	56	57	55	59	55	62	69	77	66	51
21	53	30	51	63	52	57	68	75	66	65	69	79	72	65	53	50

(a) (2 points) What is the population under consideration here? What is the used measurement unit?

Solution:

The **population** is all flights from from Ottawa, Ontario, to Hampton, Washington in 2018.

The **unit** is a particular flight from from Ottawa, Ontario, to Hampton, Washington in 2018.

Today's Lab

- Question 2 & 3 on assignment 2
- Time to work on remainder of assignment individually, feel free to ask questions

Discrete vs. Continuous Random Variables

- Discrete: can only take on a countable (or countably infinite) number of possible distinct values
- Continuous: can take on an infinite number of possible distinct values
- Recall: Binomial and Hypergeometric are discrete distributions