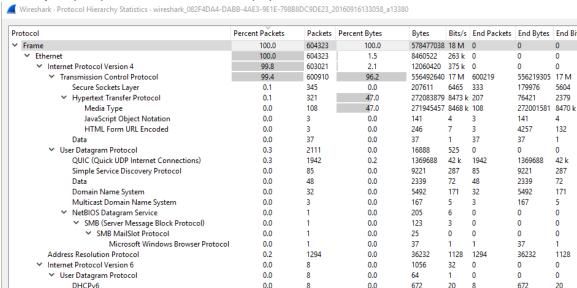
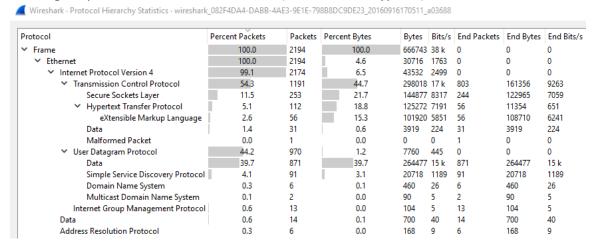
COMP 307 Mini A1 Name: Simon Hsu ID: 260610820

- a) Trottier Engineering Building:
- b) Brutopia
  - 1. Identify the exact location where you were when recording your two wifi packet recording sessions.
    - a. 3630 University St, Montreal, QC H3A 2B2
    - b. 1219 Rue Crescent, Montréal, QC H3G 2B1
  - Look at each session individually and report the quality of the security.
     Specifically, based on your data set, what percentage of packets revealed packet header information, and what percentage of packets revealed payload information. Write a short evaluation.
    - a. Based on my data set, some packets revealed packet header information and majority of packets don't revealed payload information.



 Based on my data set, majority of packets revealed packet header information and some revealed payload information, this could be the result of using cellphone on insecured websites (no HTTPS encryption).



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- 3. Looking at each session individually, select a sender IP address and try to deduce what they were trying to do.
  - a. I used the filter to select a sender IP address, the address which i picked have a lot of unreadable data, it can be interepreted as the sender is visiting secure website that has already been encoded.
  - b. I sued the same method as i did in Trottier building to select a sender IP address and i was able to deduce the sender was on sort of communication with another IP address via visiting some website.
- 4. Now, comparing your two data sets. Which location was more secure? Could you identify the default security that was present at each data set?

  Based on the two data sets, trottier building is more secure due to the fact the McGill wifi is more secure and encrypted compare to Brutopia(hotspot). Some of the default security that is presented: wired network vs. wireless(one is easier to trace), encryption/authentication/permision of packets in order to secure the packets and to prevent 3<sup>rd</sup> person from reading the packets; security budget and knowledge of cyberattacking: McGill campus might understand more than Brutopia and want to provide the students a more secure environment for the users to enjoy surfing the net.