

Integrated Session 2: Offline Surveillance

ESOC 495: Information Privacy with Applications

Due: Thursday, 07 October 2021

Total Homework/Assignment Points: 100

There are many societal benefits to collection of data about individuals' offline behavior. These data can allow us to understand ourselves and the world around us, and to make advances across a broad range of endeavor, including advocacy, many areas of scientific and academic inquiry, healthcare, and the law.

Individual data collection, storage, and use can also raise significant privacy concerns; however, data collection advocates often brush these concerns aside by arguing that the data collection is voluntary, as people can choose to avoid places in which they are likely to be observed, and that the data are unlikely to reveal anything private about an individual anyway. For this assignment, you are going to explore what physical surveillance you are exposed to on a daily basis, and what you can do about it.

1. [25] Choose two buildings or structures on opposite sides of campus or its immediate proximity (e.g., Main Gate and McKale Memorial Center). Travel from one to another, making note of all of the different ways in which your behavior could be observed or tracked. These ways could rely on individuals (who sees you travel?) or technology. Be sure that you note at least five ways in which your behavior could be observed or tracked, and use this information to fill in Table 1. Be careful to note all video cameras, as these are important to the next question.
2. [50] Connect to Surveillance Under Surveillance.
 - (a) [10] Zoom out of Europe, and over to The University of Arizona on the map. Write the value of the id listed for the camera at No Anchovies.
 - (b) [40] From here, scroll to the section labeled “how to participate.” Next click the link to create a new OpenStreetMap account, “create a new one.” Once you have registered, log in under your account, and zoom the map to the beginning of your route through The University of Arizona campus. Click Edit, and click “Start the Walkthrough.” Once you have finished the walkthrough, edit the map to place a “surveillance node” for two or more of the cameras you noticed along your route. The surveillance node is described here and here (for the latter, scroll to the section labeled “Mandatory to display an icon on the map”).
3. [25] Next, brainstorm a list of technologies you could use to protect yourself from *observability*, *linkability*, and *identifiability* on your route. Use as many of them as you can to travel between the two places you selected again. Were you successful? How could you learn more, to find out how successful you were?

	How could your behavior be observed or tracked?	What could someone infer by observing/ tracking your behavior in this way once?	What could someone infer by observing/ tracking your behavior in this way every day for a month?
1			
2			
3			
4			
5			

Table 1: Record here how you could be observed, and what inferences could be made about you, during your trip across campus. Note: the \LaTeX for this document is provided, so you can type in your responses directly into this table. Alternatively, you may create your own table.