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Summer 2019

CS 410/510 - Explorations in Data Science

## **Project Plan**

### **Paper Topic**

The advancement of technology has raised ethical questions around data and its privacy. We look at how data is collected, how it is used and monetized as well as the ramifications of such decisions.

### **Research Planned** (1-2 paragraphs)

The main topics of data privacy we plan to research are internet browser data, app data (internet and phone) and commercial store data. In each of these topics, we are interested in what data is collected and how it is collected. We will then see how this data is monetized by the various companies and the ramifications of such decisions. Following this, we will take a brief look into how we, as programmers, can protect the privacy of collected data through good coding practices.

### **Team Structure** (3-4 sentences)

Our team is comprised of four members: Aaron, Danniell, Shengjia, and Tom. We will each be responsible for various sections of our research. Aaron will research the monetization of the data, the presentation activities, and conclusion of our report and presentation. Danniell will investigate the internet browsers, their apps, and phone apps. Shengjia will look into commercial stores data such as Target, Fred Meyer, etc... Tom will help with the introduction, consent forms, and the ramifications of gathering such data.

### **Milestones** (~5 milestones)

1. Prepare for Initial Class Presentation - Thursday, July 11 - Wednesday, July 17
  - a. Meeting with Professor Tufte
2. Initial Class Presentation - Thursday, July 18
3. Rough Draft of Report - Tuesday, August 6
  - a. Research
4. Final Draft - Thursday, August 13
5. Final Presentation - Thursday, August 15
  - a. Prepare and practice