Project Plan

CS 510 - Explorations in Data Science

Yiming Zhang

Paper Topic

In recent years, the practice of data mining has become a popular computing technology. Data mining is a means to summarize useful information by analyzing big sets of data. In this project, I will research data mining and how data mining affects our data privacy and followed by some case studies.

Research Planned

Data privacy is a very broad topic. In this project, the main topics I will explore include: what is data mining and how data mining influences people's daily life in both good ways and bad. In details, I will research how big companies like Google, Facebook and Amazon collect your personal information and how they use it to benefit you or potentially harm you. In addition, I will do a case study of COVID-19's impact on data privacy, protection and security.

Team Structure

There is only one team member in this team which is me.

Milestones

1. Introduction to data mining and its history.   (Jul 10 - Jul 17)
2. How Google, Facebook and Amazon collect your personal data. (Jul 17 - Jul 24)
3. The good and bad side of data mining in terms of data privacy. (Jul 24 - Jul 31)
4. COVID-19's impact on data privacy. (Aug 1 - Aug 5)

5. Writing report and doing final presentation. (Aug 6 - Aug 11)