

# Assignment 01

# EPPS 6323 Knowledge Mining

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# 1. Brainstorm Ideas for Class Project

## A. Propose a hypothesis

- a. App users express more negative sentiment immediately following a feature update, with sentiment improving over time as users adjust.
- b.

## B. How data can be collected?

- a. Scrape user reviews from app stores (Google Play, Apple App Store) using keywords, star ratings, and timestamps.
- b.

## C. What methods could be considered?

- a. Web Scraping, Sentiment Analysis, Topic Modeling,

# 1. Brainstorm

## **D. How to start the data project?**

- a. Identify target apps and updates of interest.
- b. Scrape reviews with metadata (date, version, rating, text).
- c. Clean and tokenize the text data.
- d. Apply sentiment and topic analysis.
- e. Build an interactive Shiny dashboard with filters for date, version, and platform.