BUDT704 Project Proposal:

Cool Title for Your Project

Group X (Fun Group Name): Name 1, Name 2, Name 3

# Introduction

Give a broad overview of your project. Describe the context for your data. Why is this interesting? Why should we care about it?

## Questions of Interest

In a few bullet points, list 3-5 questions you would like to answer in the context you have described using your data. Think of questions you can answer with descriptive information. Are there outcomes you would like to predict from your data? Causal questions? Here is a hypothetical example about home foreclosures in our county.

* What factors are more likely to influence home foreclosures?
* Do high poverty neighborhoods have more foreclosures?
* Do prior foreclosures in a neighborhood predict future foreclosures?

# Data Processing and Analysis

## Dataset Description

Describe the data in detail, including but not limited to: What’s in it? Where is it located? How will you acquire it? How many observations does it contain? How many variables does it contain?

## Data Processing Tasks

Describe the data processing tasks you will need to do in bullet points. Here are some examples. Please provide a description along with the task.

* Scrape data from web pages
* Indexing, selection, and filtering
* Managing missing data
* Data transformation
* Text processing
* Merging and reshaping data

Do not just copy these examples! Your data processing tasks should be specific to your project and include details.

## Data Analysis

What kinds of visualizations and modeling do you need to do to answer your questions of interest? Maps? Charts? Will your visuals be static or interactive? Provide specific detail on how your visualizations and modeling will answer each question. In other words, justify your selections.

# Expected Findings

Once you have conducted your analysis, what do you expect to find? Do not include what tasks you will do. Instead, describe what you believe the answers will be to the questions you posed above. What inferences will you have? Backup your answers with detail.

# Project Timeline

Each group member should feel responsible for aspects of the project. In the table below, assign group members to take the lead on tasks and assign tentative due dates. Feel free to modify the table to suit your needs. Note: Other group members can/should participate in tasks.

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| **Task** | **Task Lead** | **Due Date** |
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