

Group Project Overview

Learning Objectives

In this module -- which runs throughout the quarter -- you'll complete a group project across three stages. In doing so, you'll accomplish the following learning objectives:

- Formulate data science questions on a pertinent topic of your choice
- Collaborate with other students on a programming assignment
- Iteratively explore the topic of your choice
- Develop an interactive web application using the Shiny framework
- Apply the principles from Data Feminism to both the process and outcome of your work

Deliverables

Your project will be completed across three stages, each of which will receive feedback from your TA and peers. See each link for more details.

- **Project Proposal** (<https://canvas.uw.edu/courses/1479912/assignments/6659073>): in this initial stage, you'll identify a topic of interest, as well as a number of datasets which you could use to explore your topic. You'll complete this project by creating a shared GitHub repository for your group, and using Markdown to explain the importance of your topic, and source of your data.
- **Exploratory Analysis** (<https://canvas.uw.edu/courses/1479912/assignments/6659071>): as a second step, you'll familiarize yourself with the data you identified in the first stage. In doing so, you'll come to understand the nuances of your dataset, understanding the distribution of values, and pertinent trends in your dataset. This will allow you to better articulate the pressing questions of interest that are answerable through your application.
- **Final Deliverable** (<https://canvas.uw.edu/courses/1479912/assignments/6659072>): your final deliverable will be an interactive web application built through the R framework Shiny. This application will guide users through an exploration of your data that amplifies their understanding of your chosen topic.