

STAT 451 - Visualizing Data - Autumn 2025

Lab 6: Shiny - Exercise 1

In this lab, we will reproduce the visualization done in lab 5 with a flex dashboard. We will visualize the national sites dataset (`nationalSites.Rdata`). Create a flex dashboard document and save it into a folder with the data file.

Write code to:

- Let the user choose between plotting sites that contain the string "National Park", "National Historic Site", or "National Monument".
- See the corresponding number of sites in one tab.
- See a map of the sites in another tab. Include the possibility of clicking on a site to see its name.

You may use the `str_detect` function from the `tidyverse` package to filter the national sites and the `popup` argument from the `addCircleMarkers` function to be able to click on a site and see its name.