



exercise_Shiny

FOR/STT 875, Shiny Exercise

Learning objectives

- practice updating `ggplot2` plot aesthetics
- modify a Shiny app
- add an interactive Shiny element

Overview and deliverables

Update the `app.R` files for the Michigan Campsite data.

Submission instructions

Upload your updated `app.R` script to the Shiny Exercise D2L dropbox.

Grading

You will receive full credit if your Shiny app: 1) compiles without error; 2) closely recreates the updated Shiny app specifications which result in the improved app posted here (http://blue.for.msu.edu:443/exercise_12_shiny/); and 3) has neatly formatted code.

Getting started

Review the code for the Michigan Campsites Shiny app from Section 9.4 of the Shiny Chapter 9. For this assignment, you will simply be updating the `app.R` file to complete the `TODO` tasks.

Notice that in the original app, we used three of the data frame rows: `TOTAL_SITE`, `Camp_type`, and `ADA_SITES`. In this exercise, you will be creating a widget that takes in the `DISTRICT` information.

Note, you'll likely need to install the `shiny`, `maps`, and `htmltools` packages.

TODO

After completing the tasks below, your Shiny app should look like the one hosted here (http://blue.for.msu.edu:443/exercise_12_shiny/).

Complete the four following tasks to update the Michigan Campsites shiny app:

Complete the four following tasks to update the Michigan Campsites shiny app:

1. Update the map output so the campground marker sizes depend upon the total number of campsites at each location.
2. Update the map output so the campground marker colors depend upon the county in which the campground is located.
3. Update the HTML bulleted list output so the number of sites is displayed after the campground name.
4. Add an additional search parameter of district checkboxes (HINT: use `checkboxGroupInput`). Initially, all districts should be selected.

Congratulations! You've reached the end of the Shiny Exercise.

Questions?

If you have any lingering questions about the material in this document or in the corresponding chapter, add them as comments to the end your R script.

Response...

Give us your feedback!

1. How do you feel you're doing in this class?

Response...

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