

Day 1 Scripting Challenge

CRI R Workshop

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- What, and why?
 - Your mission
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Why, and what?

Let's put together everything you've learned! This lesson will give you practice with the contents of today's lesson, and give you an example of the kind of R script that you might write for your own work.

Your mission

The data file `Fundybirds.csv` contains data on bird species counted in Fundy National Park during the Audubon Society's annual [Christmas Bird Count](#). Your goal is to write a new R script that does a basic analysis of these data.

Be sure to begin the script with commented lines with the file name, your name, the date, and a description of the script, and also comment liberally throughout the script to indicate what your code does!

Your script should do the following:

- Read in the file `Fundybirds.csv`
- Look at the structure of the data
- Create data frames that answer the following questions: (Hint: Use `dplyr` functions!)
 - How many times was each type of bird counted?
 - Which birds were counted more than 10 times?
- Make a table that shows how many species were counted each hour
- Plot this table using a barplot