Writing Scripts in R

Scripts should have lots of comments, indicated by a # symbol - this helps others read your code, and also yourself when you look back at it later.

Scripts can be saved and uploaded to (e.g.) OSF, GitHub, or submitted as an electronic supplement alongside your journal submission. Even when journals don't require you to adhere to Open Science practices, it's a good idea to make your code and data available during the reviewing process - and publicly available once your paper is published.

If you aren't sharing your data and code, you aren't engaged in generating reproducible or open research…

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```r
# First we need to load the packages we need - the following loads all packages within the
# tidyverse universe of packages (plus associated datasets)
library(tidyverse)

# One dataset that is included contains information about the characters in Star Wars
# You can just type the name of the dataset to see the first 10 lines
starwars

# You can open the full dataset in a Viewing window
View(starwars)

# This displays just the column called "name" in the dataset
starwars$name

# The length function tells us how many elements are in the list of names
length(starwars$name)

# This displays just the column called "homeworld" in the dataset
starwars$homeworld

# The unique functions gives us just the unique homeworlds
```

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Lots of comments explaining what each section of code does, and lots of white space.