

**R you ready?
IntRo to RStudio and R Markdown
for open data and reproducibility**

**Unit 5:
Setting up a project**

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**Keep things
tidy!**



.Rproj file

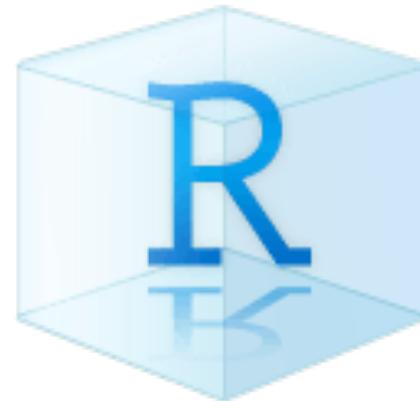
Each project should have a .Rproj file

RStudio projects...

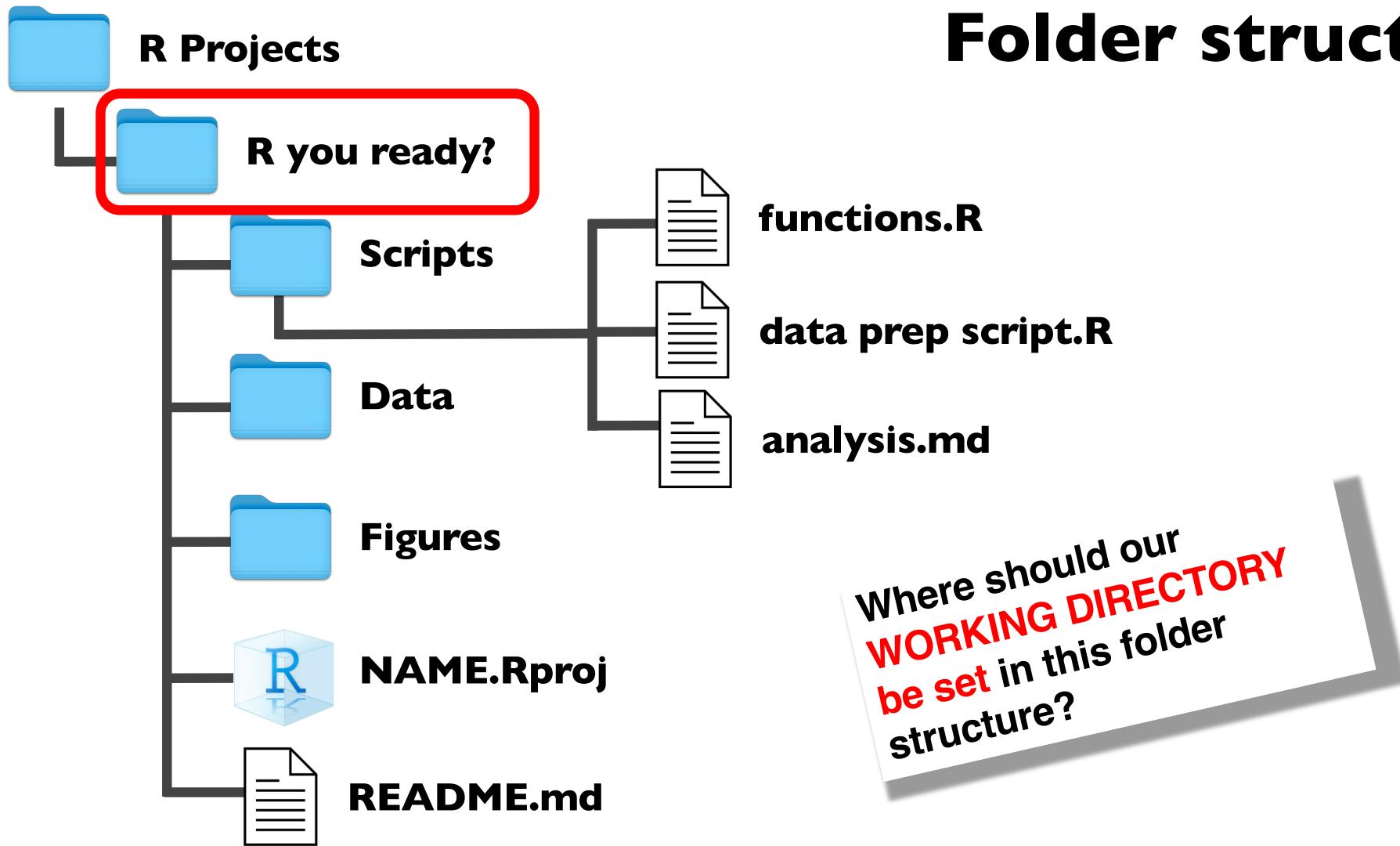
...make it easy to divide your work into multiple contexts

...are associated with R working directories

...have their own working directory, workspace, history, and source documents.

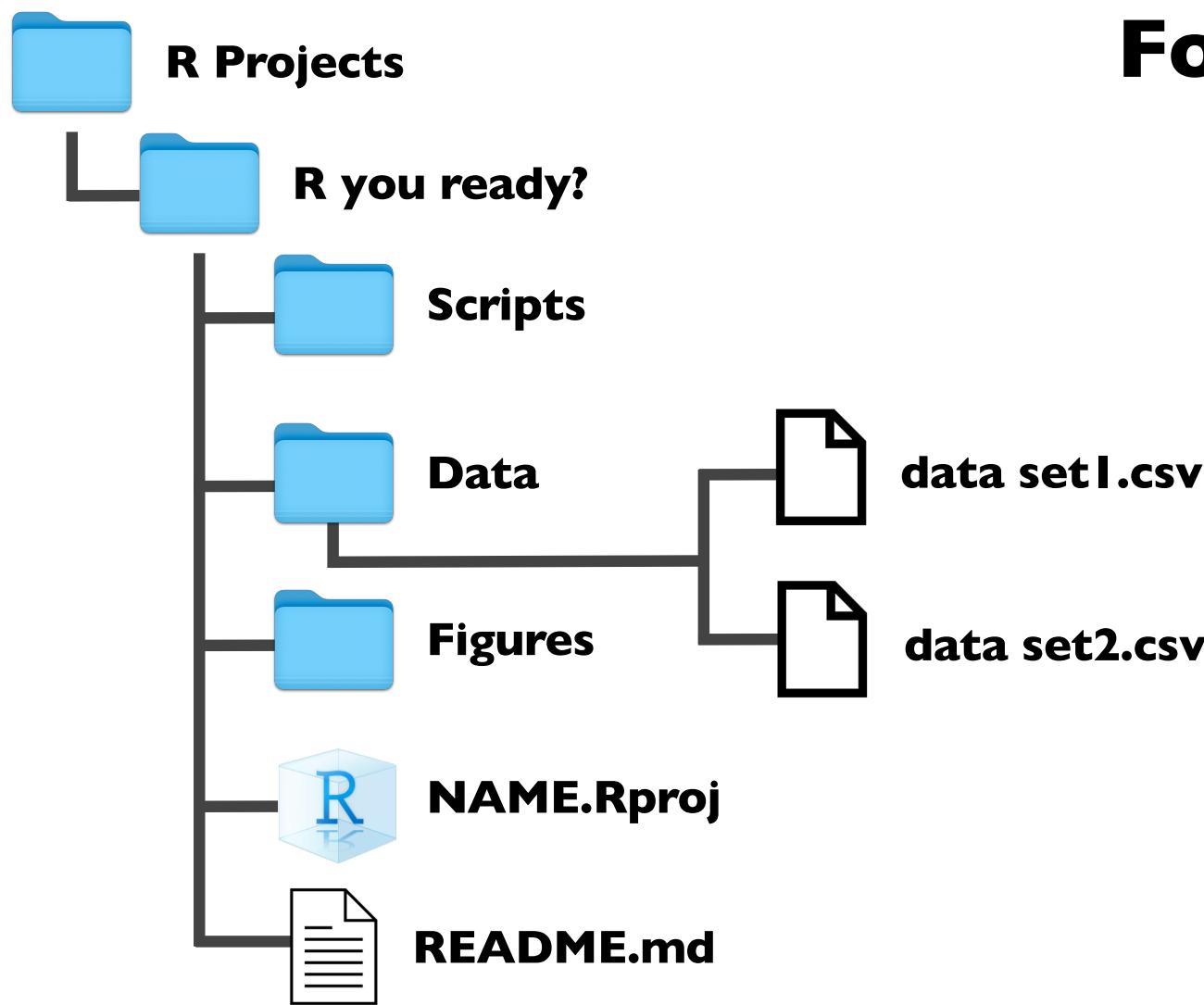


Folder structure

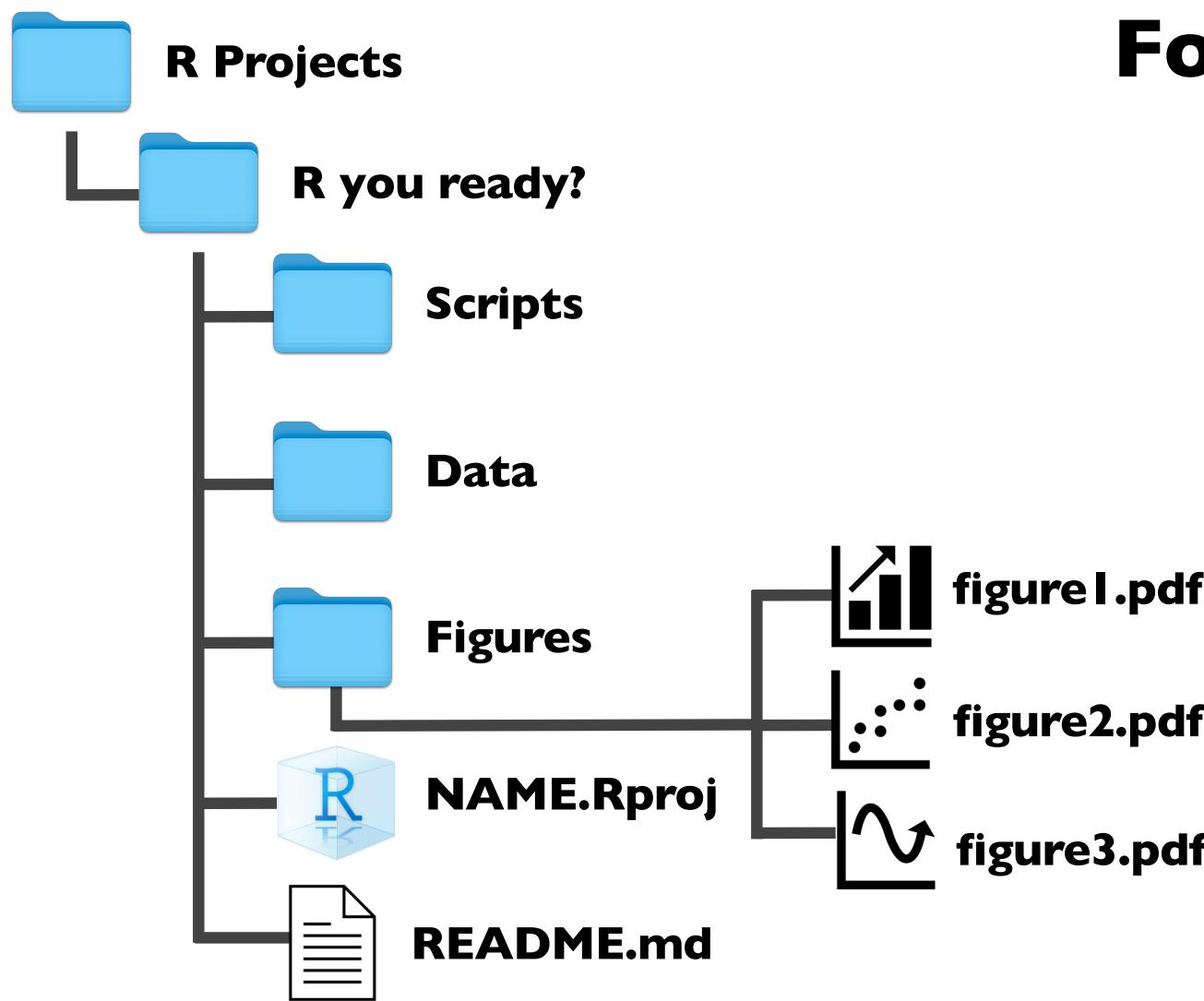


Where should our
WORKING DIRECTORY
be set in this folder
structure?

Folder structure



Folder structure





R Projects



R you ready?



Scripts



functions.R



data prep script.R



analysis.md



Data

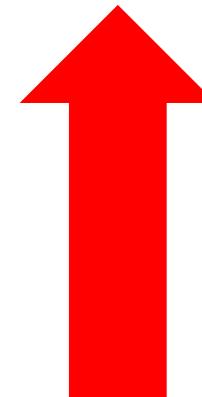


data set1.csv

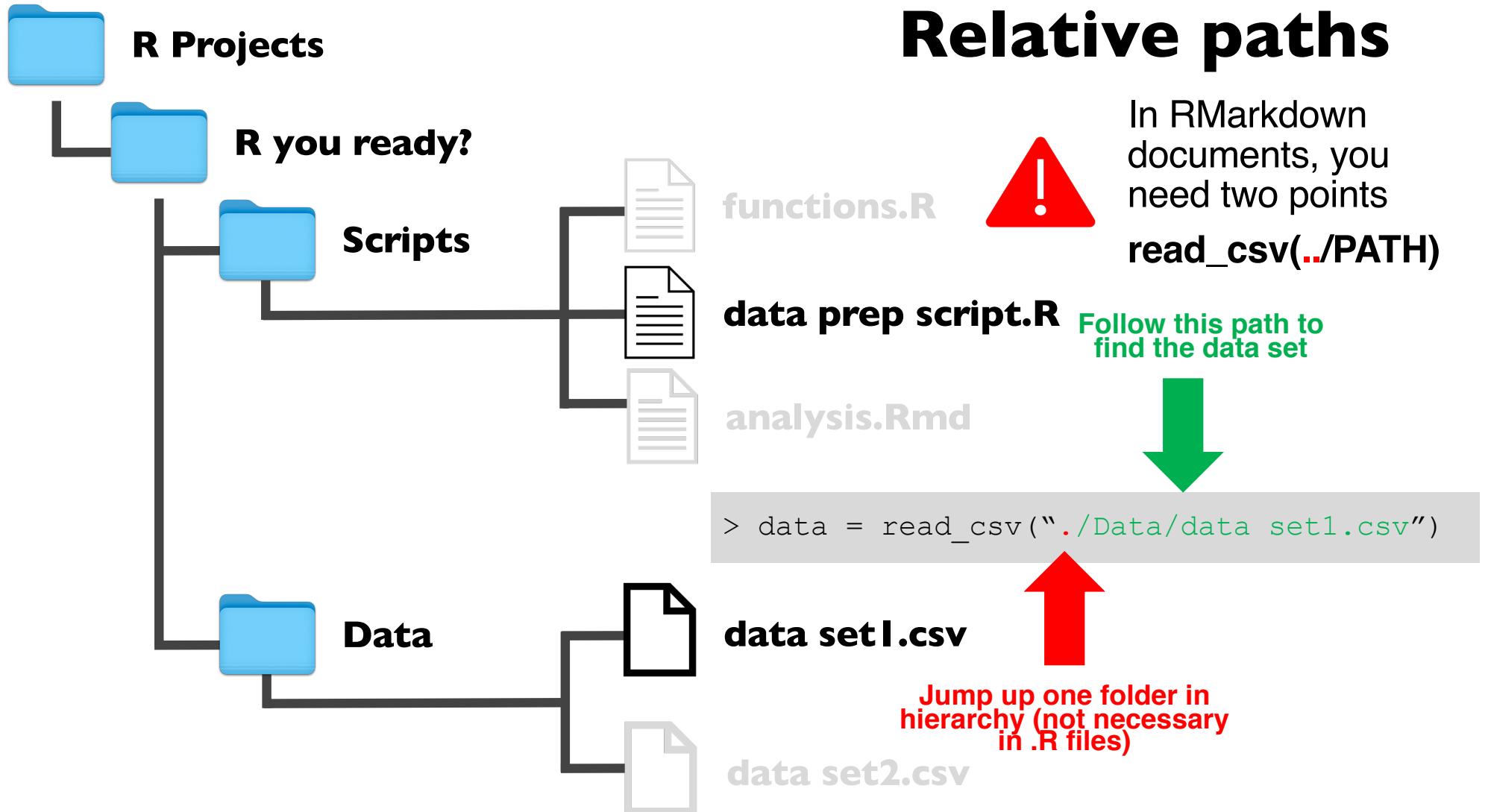


data set2.csv

Relative paths



We want to load in our data
set1.csv to our data prep
script.R script...**HOW?**



Relative paths

In RMarkdown documents, you need two points
`read_csv("./PATH")`

Relative vs. absolute paths

Windows uses backslashes (e.g., Data\dataset1.csv)

Mac OS and Linux use slashes (e.g., Data/dataset1.csv) to define a path.

RStudio can deal with paths of each type (on Windows, Mac OS or Linux).

**BUT: Backslashes have a special meaning in R → to get a single backslash in the path, you need to type **

This makes things unnecessary complicated → Use unix-like path definition using slashes.

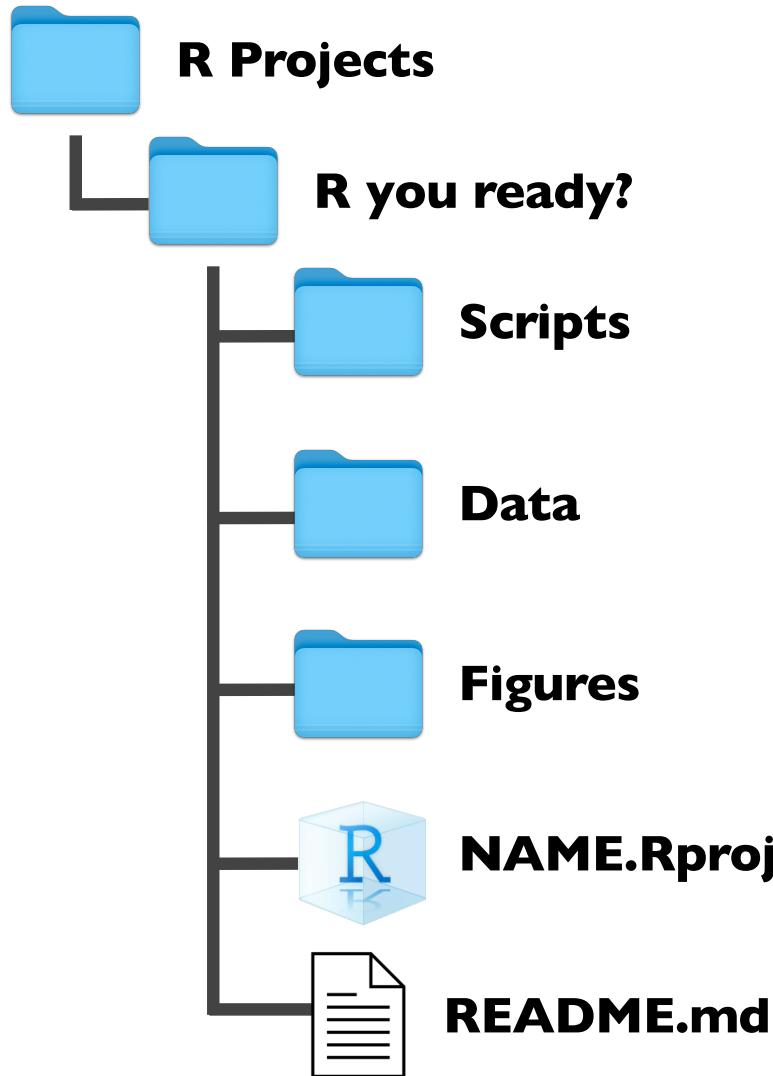
Activity all together

Do we all have an R projects folder?

Do we all have an R you ready? folder within the R projects folder?

Do we all have our working directory set within the R you ready? folder?

GREAT!



Folder structure

Let's all **create the following folder structure** (disregard the `readme.md` file for now)

Move the `Vampires.csv` to the **Data folder**

LET'S GET OUR HANDS DIRTY



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