Week 8 Code Along & Challenge

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R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

For this week's code along and challenge, I explored the "10_download" example on Shiny. I modified it such that the datasets to select from were self-sourced. I utilised previous datasets used in class related to animals (penguins and cats), and sourced for one more animal dataset via Github (dogs).

knitr::include_graphics("/Users/zixinwong/Desktop/Screenshot 2023-10-09 at 7.33.38 PM.png")

Download any Dataset



Let's explore datasets!

Select your favourite animal and click on the download button to explore the respective datasets!

Each dataset contains basic information about the *different characteristics* of each animal.



rowid	species	island	bill_length_mm	bill_depth_mm	flipper_length_mm	body_mass_g	sex	year
1	Adelie	Torgersen	39.10	18.70	181	3750	male	2007
2	Adelie	Torgersen	39.50	17.40	186	3800	female	2007
3	Adelie	Torgersen	40.30	18.00	195	3250	female	2007
4	Adelie	Torgersen	NA	NA	NA	NA	NA	2007
5	Adelie	Torgersen	36.70	19.30	193	3450	female	2007
6	Adelie	Torgersen	39.30	20.60	190	3650	male	2007
7	Adelie	Torgersen	38.90	17.80	181	3625	female	2007
8	Adelie	Torgersen	39.20	19.60	195	4675	male	2007
9	Adelie	Torgersen	34.10	18.10	193	3475	NA	2007
10	Adelie	Torgersen	42.00	20.20	190	4250	NA	2007
11	Adelie	Torgersen	37.80	17.10	186	3300	NA	2007
12	Adelie	Torgersen	37.80	17.30	180	3700	NA	2007

knitr::include_graphics("/Users/zixinwong/Desktop/Screenshot 2023-10-09 at 7.34.04 PM.png")

Download any Dataset



Let's explore datasets!

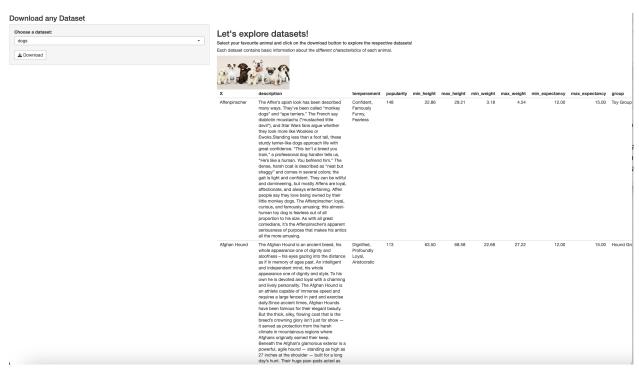
Select your favourite animal and click on the download button to explore the respective datasets!

Each dataset contains basic information about the different characteristics of each animal.



name	number_of_cats	handedness
Bernice Warren	0	left
Woodrow Stone	0	left
Willie Bass	1	left
Tyrone Estrada	3	left
Alex Daniels	3	left
Jane Bates	2	left
Latoya Simpson	1	left
Darin Woods	1	left
Agnes Cobb	0	left
Tabitha Grant	0	left
Perry Cross	0	left
Wanda Silva	0	left
Alicia Sims	1	left
Emily Logan	3	right
Woodrow Elliott	3	right

knitr::include_graphics("/Users/zixinwong/Desktop/Screenshot 2023-10-09 at 7.51.17 PM.png")



In the side panel, I edited the title panel to be "Download any Dataset" as there are 3 datasets for users to choose from.

In the sidebar panel, I labelled the choices to be quick and easy to read, using just the names of the 3 animal types (penguins, cats and dogs). I kept the download button labelled as "Download" as it is clear

and straightforward.

In the main panel, I included a first title "Let's explore datasets!" as a brief introduction for users to know how to interact with this example. I included a fourth title telling users they can do so by choosing their favourite animal and then "click on the download button to explore the respective datasets". I also further elaborated on what each dataset contains as a paragraph stating "Each dataset contains basic information about the different characteristics of each animal". As the main point was to let users know the datasets contain key animal characteristics, I italicised the phrase "different characteristics".

Lastly, to make the interface more visually appealing, I added in cute photos of the different types of animals corresponding to their datasets. I used the conditional panel command to ensure that the images only appear corresponding to the specific animal type.