

Week 8 Code Along & Challenge

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R Markdown

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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

Choose a dataset:

penguins

 Download

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

Choose a dataset:

cats

Download

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")
```

Download any Dataset

Choose a dataset:

dogs

Download

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.



X	description	temperament	popularity	min_height	max_height	min_weight	max_weight	min_expectancy	max_expectancy	group
Affenpinscher	The Affen's apish look has been described many ways. They've been called "monkey dogs" and "ape terriers." The French say diabolin moustachu ("mustached little devil"), and Star Wars fans argue whether they look more like Wookies or Ewoks. Standing less than a foot tall, these sturdy terrier-like dogs approach life with great confidence. "This isn't a breed you train," a professional dog handler tells us. "He's like a human. You befriend him." The dense, harsh coat is described as "neat but shaggy" and comes in several colors; the gait is light and confident. They can be willful and domineering, but mostly Affens are loyal, affectionate, and always entertaining. Affen people say they love being owned by their little monkey dogs. The Affenpinscher: loyal, curious, and famously amusing; this almost-human toy dog is fearless out of all proportion to his size. As with all great comedians, it's the Affenpinscher's apparent seriousness of purpose that makes his antics all the more amusing.	Confident, Famously Funny, Fearless	148	22.86	29.21	3.18	4.54	12.00	15.00	Toy Group
Afghan Hound	The Afghan Hound is an ancient breed, his whole appearance one of dignity and aloofness – his eyes gazing into the distance as if in memory of ages past. An intelligent and independent mind, his whole appearance one of dignity and style. To his own he is devoted and loyal with a charming and lively personality. The Afghan Hound is an athlete capable of immense speed and requires a large fenced in yard and exercise daily. Since ancient times, Afghan Hounds have been famous for their elegant beauty. But the thick, silky, flowing coat that is the breed's crowning glory isn't just for show – it served as protection from the harsh climate in mountainous regions where Afghans originally earned their keep. Beneath the Afghan's glamorous exterior is a powerful, agile hound – standing as high as 27 inches at the shoulder – built for a long day's hunt. Their huge paw-pads acted as	Dignified, Profoundly Loyal, Aristocratic	113	63.50	68.58	22.68	27.22	12.00	15.00	Hound Group

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 dataasets”. 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.