Untitled

2021-03-18

Making new code chunk shortcut is Ctrl + Alt + I.

Important R Chunk Settings

- echo
- eval
- include
- fig. (there are many)

Echo = FALSE/TRUE

I don't want to see this code:

echo==FALSE

```
## [1] "This is text that will print"
```

echo==TRUE

```
# hidden code
print("This is text that will print")
```

```
## [1] "This is text that will print"
```

```
# this is hidden too
```

Eval = TRUE/FALSE

This is good for evaluation code or not, depending on what you want to show. You can combine these (echo + eval) to control your document.

eval=FALSE & echo=FALSE

eval=TRUE & echo=TRUE

```
library(tidyverse)
```

```
## -- Attaching packages ---------------------------------------------------------------------------
## v ggplot2 3.3.3     v purrr   0.3.4
## v tibble  3.1.0     v dplyr   1.0.5
## v tidyr   1.1.3     v stringr 1.4.0
## v readr   1.4.0     v forcats 0.5.1
## -- Conflicts ------------------------------------------------------------------------------------
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
print("This shouldn't show up")
```

```
## [1] "This shouldn't show up"
```

Figure

using the `knitr::include_graphic()` function:

- can control figure height or width with the R chunk options.

for PDFs

We can't use `out.width`, but we can use `fig.width` for out chunks.

Try using: `tinytex::tlmgr_install("pdfcrop")` to help with cropping. The default is 6.5x4.5in

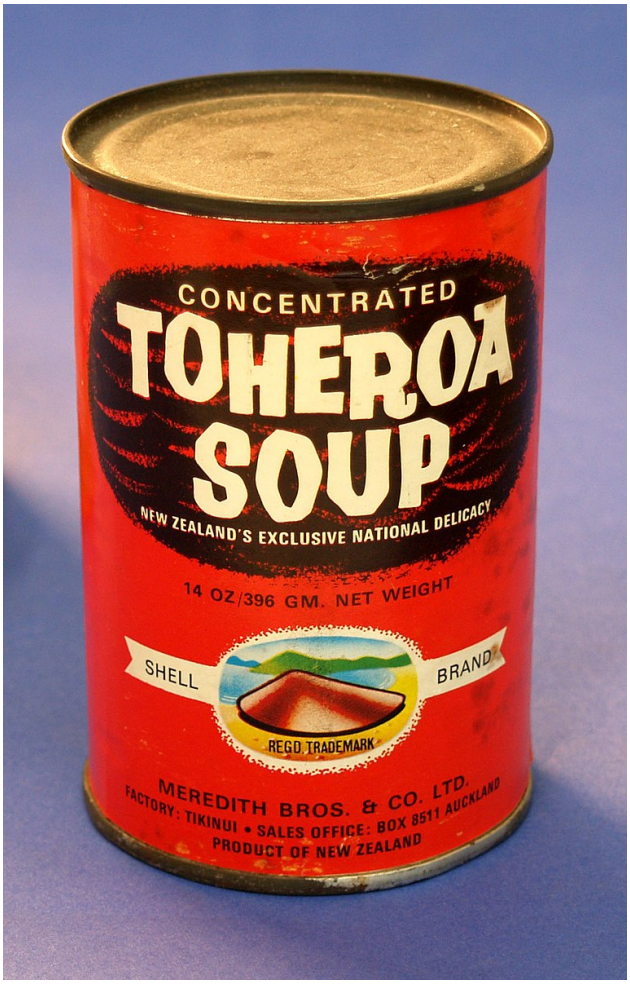

Figure 1: This is also a soup can

Use the here() Package

Use this package to make links relative:

```
library(here)

salsa <- read.csv(here("data", "Argos_Salsa.csv"))
head(salsa)
```

```
##   DeployID    Ptt Instr                Date  Type Quality Latitude Longitude Error.radius Error.Semi
```

```
## 1    Salsa 167774  Mk10 01:56:03 25-Mar-2017 Argos       A  37.2507 -125.4645           NA
## 2    Salsa 167774  Mk10 02:39:54 25-Mar-2017 Argos       B  37.9233 -122.5266           NA
## 3    Salsa 167774  Mk10 01:03:43 05-Apr-2017 Argos       1  28.8814 -118.2636          771
## 4    Salsa 167774  Mk10 02:12:31 05-Apr-2017 Argos       B  28.8873 -118.2664         4576
## 5    Salsa 167774  Mk10 02:21:39 05-Apr-2017 Argos       B  28.8703 -118.3044          948
## 6    Salsa 167774  Mk10 02:43:38 05-Apr-2017 Argos       3  28.8792 -118.2886          201
##   Error.Ellipse.orientation Offset Offset.orientation GPE.MSD GPE.U Count Comment
## 1                        NA     NA                 NA      NA    NA    NA
## 2                        NA     NA                 NA      NA    NA    NA
## 3                       169     NA                 NA      NA    NA    NA
## 4                        76     NA                 NA      NA    NA    NA
## 5                        55     NA                 NA      NA    NA    NA
## 6                        95     NA                 NA      NA    NA    NA
```

Tables in RMarkdown

Couple packages that are good, these are the easiest to use.

- `kable()`
- `DT::DT()`
- `gt`

```
knitr::kable(head(salsa))
```

Deployment	PTT	Instr	Date	Type	Quality	Latitude	Longitude	Error.radius	Error.Semi.major.axis	Error.Semi.minor.axis	Error.Ellipse.orientation	Offset	Offset.orientation	GPE.MSD	GPE.U	Co
Salsa	167774	Mk10	01:56:03 25-Mar-2017	Argos	A	37.2507	-125.4645	NA	NA	NA	NA	NA	NA	NA	NA	N
Salsa	167774	Mk10	02:39:54 25-Mar-2017	Argos	B	37.9233	-122.5266	NA	NA	NA	NA	NA	NA	NA	NA	N
Salsa	167774	Mk10	01:03:43 05-Apr-2017	Argos	1	28.8814	-118.2636	771	1182	502	169	NA	NA	NA	NA	N
Salsa	167774	Mk10	02:12:31 05-Apr-2017	Argos	B	28.8873	-118.2664	4576	6197	3378	76	NA	NA	NA	NA	N
Salsa	167774	Mk10	02:21:39 05-Apr-2017	Argos	B	28.8703	-118.3044	948	12424	72	55	NA	NA	NA	NA	N
Salsa	167774	Mk10	02:43:38 05-Apr-2017	Argos	3	28.8792	-118.2886	201	473	85	95	NA	NA	NA	NA	N

```
DT::datatable(head(salsa))
```

PANDOC and MikTex or TinyTex

When rendering to PDF you need a few things:

- `tinytex` package

To use special characters use `$` around the character and a `\`

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