RMD Template

Your Name Here

2022-09-08

```
knitr::opts_chunk$set(
  echo = FALSE,                # don't show code
  warning = FALSE,             # don't show warnings
  message = FALSE,             # don't show messages (less serious warnings)
  cache = FALSE,               # set to TRUE to save results from last compilation
  fig.align = "center",        # center figures
  attr.source = '.numberLines' # add line numbers to code
)
library(tidyverse)      # load libraries you always use here
```

```
## -- Attaching packages --------------------------------------- tidyverse 1.3.2 --
## v ggplot2 3.3.6      v purrr   0.3.4
## v tibble  3.1.8      v dplyr   1.0.9
## v tidyr   1.2.0      v stringr 1.4.1
## v readr   2.1.2      v forcats 0.5.1
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
set.seed(27)            # make random results reproducible
```

Notes on the YAML header

- Be sure to change the title and author fields
- The date is automatically set to the current day when knitting

Problem 1

Here is a link. Your homework goes here.

Yet more text, and another code section:

Code

```
1  knitr::opts_chunk$set(
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7    attr.source = '.numberLines' # add line numbers to code
8  )
```

```r
library(tidyverse)          # load libraries you always use here
set.seed(27)                # make random results reproducible
fit <- lm(hp ~ ., mtcars)
au <- broom::augment(fit)
au %>%
  gather(x, val, -contains(".")) %>%
  ggplot(aes(val, .resid)) +
  geom_point() +
  facet_wrap(~x, scales = "free")
knitr::kable(head(select(au, 1:5)))
# this R markdown chunk generates a code appendix
```