```
library(tidyverse)
```

```
## -- Attaching packages ---------------------------------------- tidyverse
1.3.0 --
```

```
##  ggplot2 3.2.1      purrr   0.3.3
##  tibble  2.1.3      dplyr   0.8.3
##  tidyr   1.0.0      stringr 1.4.0
##  readr   1.3.1      forcats 0.4.0
```

```
## -- Conflicts ------------------------------------------------
tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

```
reads2019 <- read_csv("~/Downloads/Blogging A to Z/SaraReads2019_allchanges.
csv",
                      col_names = TRUE)
```

```
  ## Parsed with column specification:
## cols(
##   Title = col_character(),
##   Pages = col_double(),
##   date_started = col_character(),
##   date_read = col_character(),
##   Book.ID = col_double(),
##   Author = col_character(),
##   AdditionalAuthors = col_character(),
##   AverageRating = col_double(),
##   OriginalPublicationYear = col_double(),
##   read_time = col_double(),
##   MyRating = col_double(),
##   Gender = col_double(),
##   Fiction = col_double(),
##   Childrens = col_double(),
##   Fantasy = col_double(),
##   SciFi = col_double(),
##   Mystery = col_double(),
##   SelfHelp = col_double()
## )
```

```
reads2019 %>%
  summarise_if(is.numeric, list(mean))
```

```
## # A tibble: 1 x 13
##   Pages Book.ID AverageRating OriginalPublica… read_time MyRating Gender
Fiction
##
## 1  341.  1.36e7          3.94            1989.      3.92     4.14  0.310
0.931
## # … with 5 more variables: Childrens , Fantasy , SciFi ,
## #   Mystery , SelfHelp
```

This function generated the mean for every numeric variable in my dataset. But even though they're all numeric, the mean isn't the best statistic for many of them, for instance average book ID or publication year. We could just generate means for specific variables with summarise_at.

```
reads2019 %>%
```

```
  summarise_at(vars(Pages, AverageRating, read_time, MyRating), list(mean))
```

```
## # A tibble: 1 x 4
##   Pages AverageRating read_time MyRating
##
## 1  341.          3.94      3.92     4.14
```

You can also request more than one piece of information in your list, and request that R create a new label for each variable.

```
numeric_summary <- reads2019 %>%
  summarise_at(vars(Pages, AverageRating, read_time, MyRating), list("mean" =
mean, "median" = median))
```

I use the basic verbs anytime I use R. I only learned about scoped verbs recently, and I'm sure I'll add them to my toolkit over time.