Class 1 R Notebook

Warning: package 'readr' was built under R version 4.2.3

Read in Dataset

Preview Dataset

```
head(lego) #Vertically (Top 6 Rows by Default)
## # A tibble: 6 x 15
    Item_Number Set_Name
                               Theme Pieces Price Amazon_Price Year Ages Pages
          <dbl> <chr>
                               <chr> <dbl> <dbl>
                                                      <dbl> <dbl> <chr> <dbl>
                                       109 3.99
                                                        3.44 2020 Ages~
## 1
          41916 Extra Dots - Se~ DOTS
## 2
          41908 Extra Dots - Se~ DOTS
                                       109 3.99
                                                        3.99 2020 Ages~
                                                                           NA
## 3
          11006 Creative Blue B~ Clas~
                                       52 4.99
                                                        4.93 2020 Ages~
                                                                           37
## 4
          11007 Creative Green ~ Clas~
                                        60 4.99
                                                        4.93 2020 Ages~
                                                                           37
## 5
          41901 Funky Animals B~ DOTS
                                        33 4.99
                                                        4.99
                                                              2020 Ages~
                                                                           NA
                                                        4.99 2020 Ages~
          41902 Sparkly Unicorn~ DOTS
                                        33 4.99
                                                                           NA
## # i 6 more variables: Minifigures <dbl>, Packaging <chr>, Weight <chr>,
      Unique_Pieces <dbl>, Availability <chr>, Size <chr>
str(lego) #Horizontally
## spc_tbl_ [1,304 x 15] (S3: spec_tbl_df/tbl_df/tbl/data.frame)
## $ Item_Number : num [1:1304] 41916 41908 11006 11007 41901 ...
## $ Set_Name
                 : chr [1:1304] "Extra Dots - Series 2" "Extra Dots - Series 1" "Creative Blue Bricks
                 : chr [1:1304] "DOTS" "DOTS" "Classic" "Classic" ...
## $ Theme
## $ Pieces
                 : num [1:1304] 109 109 52 60 33 33 33 33 33 ...
                 ## $ Price
```

```
##
                $ Year
                 : chr [1:1304] "Ages_6+" "Ages_6+" "Ages_4+" "Ages_4+" ...
##
  $ Ages
                 : num [1:1304] NA NA 37 37 NA NA NA NA NA NA ...
##
  $ Pages
   $ Minifigures : num [1:1304] NA ...
##
                 : chr [1:1304] "Foil pack" "Foil pack" "Box" "Box" ...
##
   $ Packaging
                 : chr [1:1304] NA NA NA NA ...
##
   $ Weight
##
   $ Unique_Pieces: num [1:1304] 6 6 28 36 10 9 9 12 10 9 ...
##
   $ Availability: chr [1:1304] "Retail" "Retail" "Retail" "Retail" ...
                 : chr [1:1304] "Small" "Small" "Small" "Small" ...
##
   $ Size
##
   - attr(*, "spec")=
##
    .. cols(
##
         Item_Number = col_double(),
##
        Set_Name = col_character(),
##
        Theme = col_character(),
##
        Pieces = col_double(),
    . .
##
        Price = col_double(),
##
        Amazon Price = col double(),
    . .
##
        Year = col_double(),
##
    . .
        Ages = col_character(),
##
        Pages = col_double(),
##
        Minifigures = col_double(),
##
        Packaging = col_character(),
        Weight = col_character(),
##
    . .
##
        Unique_Pieces = col_double(),
##
        Availability = col_character(),
##
        Size = col_character()
##
   - attr(*, "problems")=<externalptr>
```

Summary of Amazon Price

Numerically

```
#dataframe$variable
mean(lego$Amazon_Price,na.rm=T)

## [1] 57.8232
median(lego$Amazon_Price,na.rm=T)

## [1] 37.325
sd(lego$Amazon_Price, na.rm=T)

## [1] 66.26777
```

Visually

Example of how to add a summary to R Code. You can write paragraphs outside the code chunks like this. For example, I may want to tell my audience that the visual below shows a histogram of the Amazon price of lego sets, and we can clearly see that the distribution is extremely right-skewed.

```
hist(lego$Amazon_Price)
```

Histogram of lego\$Amazon_Price

