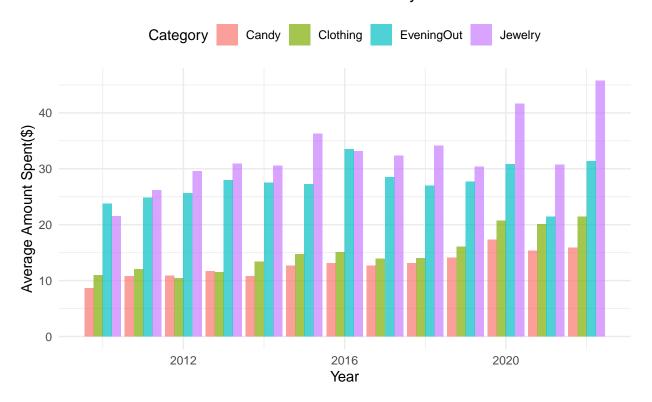
Week5 Assignment

2024-02-12

Load the TidyTuesday dataset for the specified date ('2024-02-13') using the tt_load() function from

```
tuesdata <- tidytuesdayR::tt_load('2024-02-13')</pre>
## --- Compiling #TidyTuesday Information for 2024-02-13 ----
## --- There are 3 files available ---
## --- Starting Download ---
##
## Downloading file 1 of 3: 'historical_spending.csv'
## Downloading file 2 of 3: 'gifts_age.csv'
## Downloading file 3 of 3: 'gifts_gender.csv'
## --- Download complete ---
# Access the historical spending dataset from the loaded TidyTuesday data.
historical_spending <- tuesdata$historical_spending
# Display the first few rows of the historical_spending dataset
head(historical_spending)
## # A tibble: 6 x 10
     Year PercentCelebrating PerPerson Candy Flowers Jewelry GreetingCards
##
                        <dbl>
                                  <dbl> <dbl>
     <dbl>
                                                <dbl>
                                                       <dbl>
                                                                      <dbl>
## 1 2010
                           60
                                   103
                                         8.6
                                                12.3
                                                         21.5
                                                                       5.91
                                   116. 10.8
## 2 2011
                           58
                                                 12.6
                                                         26.2
                                                                       8.09
## 3 2012
                           59
                                   126. 10.8
                                                 13.5
                                                         29.6
                                                                       6.93
## 4 2013
                           60
                                   131. 11.6
                                                 13.5
                                                         30.9
                                                                       8.32
## 5 2014
                                                         30.6
                                                                       7.97
                           54
                                   134. 10.8
                                                 15
## 6 2015
                                   142. 12.7
                                                 15.7
                                                         36.3
                                                                       7.87
                           55
## # i 3 more variables: EveningOut <dbl>, Clothing <dbl>, GiftCards <dbl>
# Pivot the historical_spending dataset from wide to long format using pivot_longer() function
# This converts the columns 'Clothing', 'Jewelry', 'Candy', and 'EveningOut' into rows, with a new colu
df <- historical_spending %>%
  pivot_longer(cols = c(Clothing, Jewelry, Candy, EveningOut),
               names_to = "variable", values_to = "value")
# Create a grouped bar plot using ggplot2
# The x-axis represents the years, the y-axis represents the average spending amount, and the bars are
```

Average historical spending on Clothing, Jewelry, Candy, EveningOut for Valentine's Day



Story:

Average historical spending on Clothing, Jewelry, Candy and an evening out for Valentine's Day

Observation:

It can be observed that the highest spending for a Valentine's day typically occurs on jewelry, followed by dining out, clothing, and candy, in that order.