Individual Project 2

Mamerto F. Gonzales Jr.

2022-12-06

#Individual Project 2

Instructions:

Extract 10000 tweets from Twitter using twitteR package including retweets. Subset the retweets and the original tweets into a separate file Plot the retweets and the original tweets using bar graph in vertical manner. Include legends

##Setup credentials and connect to twitter app

##Get 10,000 observations including retweets.

##Subset the retweets and the original tweets into a separate file

```
GamingRetweet <- GamingSubsets %>%
   select(screenName,text,created,statusSource,isRetweet) %>%
   filter(isRetweet == "TRUE")
GamingNonRetweet <- GamingSubsets %>%
   select(screenName,text,created,statusSource,isRetweet) %>%
   filter(isRetweet == "FALSE")
```

##Plot the retweets and the original tweets using bar graph in vertical manner. Include legends

```
SourceEncode <- function(x) {</pre>
  if(grepl(">Twitter for iPhone</a>", x)){
    "iphone"
  }else if(grepl(">Twitter for iPad</a>", x)){
    "ipad"
  }else if(grepl(">Twitter for Android</a>", x)){
    "android"
  } else if(grepl(">Twitter Web Client</a>", x)){
  } else if(grepl(">Twitter for Windows Phone</a>", x)){
    "windows phone"
  }else if(grepl(">dlvr.it</a>", x)){
    "dlvr.it"
  }else if(grepl(">IFTTT</a>", x)){
    "ifttt"
  }else if(grepl(">Facebook</a>", x)){
    "facebook"
  }else {
    "others"
 }
}
GamingSubsets$tweetSource = sapply(GamingSubsets$statusSource, SourceEncode)
GamingSubsetSource <- GamingSubsets %>%
  select(tweetSource) %>%
  group_by(tweetSource) %>%
  summarize(count=n()) %>%
  arrange(desc(count))
ggplot(GamingSubsets[GamingSubsets$tweetSource != 'others',], aes(tweetSource, fill = tweetSource)) +
  geom_bar() +
  theme(legend.position="right",
       axis.title.x = element_blank(),
        axis.text.x = element_text(angle = 45, hjust = 1)) +
  ylab("Number of Tweets and Retweets") +
  ggtitle("Tweets by Source")
```

