Ads project1

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# Section 1: Check and install needed packages. Load the libraries and functions.

packages.used<-c("ggplot2","dplyr","tibble","tidyr","stringr", "tidytext","topicmodels","wordcloud",  
 "ggridges",'igraph','ggraph','sentimentr',"devtools",  
 'exploratory',"ldatuning",'CTM','purrr','stm','corpus'  
 ,'tm','quanteda')  
# check packages that need to be installed.  
packages.needed <- setdiff(packages.used, intersect(installed.packages()[,1], packages.used))  
  
# install additional packages  
if(length(packages.needed) > 0) {  
 install.packages(packages.needed, dependencies = TRUE, repos = 'http://cran.us.r-project.org')  
}  
  
#devtools::install\_github("exploratory-io/exploratory\_func")  
  
library(ggplot2)  
library(dplyr)  
library(tibble)  
library(tidyr)  
library(stringr)  
library(tidytext)  
library(topicmodels)  
library(RColorBrewer)  
library(wordcloud)  
library(ggridges)  
library(igraph)  
library(ggraph)  
library(sentimentr)  
library(syuzhet)  
library(broom)  
library(urltools)  
library(exploratory)  
library(ldatuning)  
library(purrr)  
library(CTM)  
library(stm)  
library(corpus)  
library(tm)  
library(quanteda)  
source("../libs/multiplot.R")