#Install packages if first time

install.packages('dplyr')  
install.packages('readr')  
install.packages('tidyr')  
install.packages('stringr')  
install.packages('forcats')  
install.packages('purr')  
install.packages("ggpubr")  
install.packages('car')  
install.packages('gdata')

#Read in Packages needed

library(dplyr) # manipulate dataframes  
library(readr) # read/write dataframes  
library(tidyr) # reshaping dataframes  
library(stringr) # string manipulation  
library(forcats) # factor manipulation  
library(purrr) # iteration (instead of loops)  
library(ggpubr) # for Correlation  
library(ggplot2) # for Plots  
library ('car')  
library ('gdata')

#Import the data- ANES Survey Timeseries

library(haven)  
> anes\_timeseries\_cdf\_stata13 <- read\_dta("~/Documents/School/Syllabus/MZ FINAL PRO/anes\_timeseries\_cdf\_stata13.dta")

#Filter to 2004

Updated1 <-anes\_timeseries\_cdf\_stata13[!(anes\_timeseries\_cdf\_stata13$VCF0004<"2004"),]

# select variables

Condensed\_weights = subset(Updated1, select = c(VCF0004, VCF0102, VCF0103, VCF0104,VCF0105a, VCF0105b,VCF0106,VCF0107, VCF0700,VCF0201,VCF0202, VCF0301 ,VCF0303, VCF0314 ,VCF0315 ,VCF0323 ,VCF0501,VCF9008,VCF9010 ,VCF9011,VCF9012, VCF9201,VCF9202 ,VCF9203,VCF9204,VCF9206,VCF0350 ,VCF0351 ,VCF0352,VCF0353 , VCF0354 ,VCF0355,VCF0356 ,VCF0357 ,VCF0358 ,VCF0363 ,VCF0364,VCF0365 ,VCF0366 ,VCF0367, VCF0368 ,VCF0369 ,VCF0370,VCF0371 ,VCF0372,VCF0373 ,VCF0412 ,VCF0414 ,VCF0906 ,VCF0907,VCF0908 ,VCF0909 ,VCF0450,VCF0451,VCF9217,VCF9218, VCF9220,VCF9221,VCF0875 ,VCF0875a ,VCF0875b ,VCF9019,VCF9020 ,VCF9052,VCF9222,VCF0803,VCF9240, VCF0228 ,VCF0231 ,VCF0601,VCF0602, VCF0603, VCF0604 ,VCF0608 ,VCF0656,VCF9250,VCF9251,VCF9252,VCF9253,VCF9254,VCF9256,VCF9257,VCF0308,VCF0309,  
 VCF0310,VCF0311,VCF0312,VCF0313,VCF0700,VCF0714,VCF0729 ,VCF0730,VCF0731,VCF0732,VCF0733,VCF0743,VCF0932,VCF0933,VCF0934,VCF0935,VCF0936,VCF0941, VCF0942, VCF0943, VCF0944, VCF0945 , VCF0946 ,VCF0947, VCF0948, VCF0949,VCF9064,VCF0717,VCF0723,VCF0723a,VCF0746,VCF0747 ,VCF9021 ,VCF9030,VCF9030a,  
VCF0701 ,VCF0702 , VCF0703 , VCF0704 , VCF0704a , VCF0705, VCF0706, VCF0707 , VCF0711, VCF0708, VCF0713 , VCF0712, VCF0748, VCF0749,VCF0750,VCF9022,VCF9023,VCF0675,VCF0724,VCF0725,VCF0726,VCF0727,VCF0728,VCF0744,VCF0745,VCF9032,VCF9033,VCF9034,VCF9035, VCF9266, VCF0102, VCF0104, VCF9222, VCF0880, VCF9229, VCF0606, VCF9030a, VCF0322, VCF9206, VCF0105b, VCF0009z, VCF0900b))

#Filter out the columns that are not relevant- have all missings (questions from older surveys (two ways)

Updated\_data <- Condensed\_weights [ , colSums(is.na(Filtered)) <nrow(Filtered)]  
  
data\_new3 <- Filtered [ , colSums(is.na(Filtered)) <nrow(Filtered)]

#attach to frame- checking for missings + descriptive stats

attach(Condensed\_weights)  
summary (VCF9021)  
summary (VCF9030a)  
summary (VCF0728)  
summary (VCF0745)  
summary (VCF9034)  
summary (VCF0724)  
summary (VCF0301)  
summary (VCF9206)  
summary (VCF9222)  
summary (VCF0870)  
summary (VCF0880)  
summary (VCF9225)  
summary (VCF9229)  
summary (VCF0606)  
summary (VCF0607)  
summary (VCF0611)  
summary (VCF0613)  
summary (VCF0617)  
summary (VCF0632)  
summary (VCF0650)  
summary (VCF0501)  
summary (VCF0731)  
summary (VCF0733)  
summary (VCF0310)  
summary (VCF0312)  
summary (VCF0311)  
summary (VCF0653)  
summary (VCF0359)  
summary (VCF0360)  
summary (VCF0361)  
summary (VCF0370)  
summary (VCF0371)  
summary (VCF0372)  
summary (VCF0373)  
summary(VCF0702)

#Add Labels

names(Condensed\_weights)[names(Condensed\_weights) == "VCF0301"] <- "Party Identification of Respondent-7-point Scale"  
Condensed\_weights

#Tables/Cross Tabs

#Voted table(VCF0702)

#Voted-Contacted by a Major Party?

Table1 <- table(VCF0702, VCF9030a)

#Diff b/w parties?

table(VCF0501)  
  
table(VCF0702, VCF0501)  
  
Dem\_Voters <- table(VCF0702, VCF0314)  
round(prop.table(Dem\_Voters,1),2)  
  
Diff\_parties <- table(VCF0702, VCF0501)  
Diff\_parties  
round(prop.table(Diff\_parties,1),2)  
  
(#Less incentivized to vote if think there the same)  
  
Dislike\_DEM <- table(VCF0702, VCF9201)  
Dislike\_DEM  
  
Dislike\_REP <- table(VCF0702, VCF9202)  
  
Rep\_views <- table(VCF0702, VCF9203)  
round(prop.table(Rep\_views,1),2)  
  
which\_party <- table(VCF0702, VCF9204)  
round(prop.table(which\_party,1),2)  
  
Party\_pref <- table(VCF0702, VCF9206)  
round(prop.table(Party\_pref,1),2)  
  
Dem\_Smart <- table(VCF0702, VCF0350)  
round(prop.table(Dem\_Smart,1),2)  
  
Dem\_Angry <- table(VCF0702, VCF0358)  
round(prop.table(Dem\_Angry,1),2)  
  
REP\_Angry <- table(VCF0702, VCF0370)  
round(prop.table(REP\_Angry,1),2)  
  
Approve\_Pres <- table(VCF0702, VCF0450)  
round(prop.table(Approve\_Pres,1xs),2)  
  
Approve\_Pres\_rating <- table(VCF0702, VCF0451)  
round(prop.table(Approve\_Pres\_rating,1),2)  
  
Pres\_Econ <- table(VCF0702, VCF9220)  
round(prop.table(Pres\_Econ,1),2)  
  
Right\_Track <- table(VCF0702, VCF9222)  
round(prop.table(Right\_Track,1),2)  
  
LIB\_CON <- table(VCF0702, VCF0803)  
round(prop.table(LIB\_CON,1),2)  
  
Trust\_Fed\_Gov <- table(VCF0702, VCF0604)  
round(prop.table(Trust\_Fed\_Gov,1),2)  
  
Crooked\_FED <- table(VCF0702, VCF0608)  
round(prop.table(Crooked\_FED,1),2)  
  
TRUST\_GOV\_GEN <- table(VCF0702, VCF0656)  
round(prop.table(TRUST\_GOV\_GEN,1),2)  
  
Volunteer <- table(VCF0702, VCF9256)  
round(prop.table(Volunteer,1),2)  
  
Interst\_Elec <- table(VCF0702, VCF0310)  
round(prop.table(Interst\_Elec,1),2)  
  
Care\_win <- table(VCF0702, VCF0311)  
round(prop.table(Care\_win,1),2)  
  
Care\_win\_CONG <- table(VCF0702, VCF0312)  
round(prop.table(Care\_win\_CONG,1),2)  
  
Pred\_Close <- table(VCF0702, VCF0714)  
round(prop.table(Pred\_Close,1),2)  
  
Pred\_Close

#Correlation

res <- cor.test(VCF0702, VCF0102,   
 method = "pearson")  
res

#rename variables

attach(Condensed\_weights)  
  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0102"] <- "Age"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0104"] <- "Gender"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF9229"] <- "UE"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0880"] <- "Better\_worse"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0606"] <- "FED\_Tax"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0501"] <- "Bw\_parties"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF9030a"] <- "contacted\_by\_party"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF9206"] <- "control\_split"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF0105b"] <- "Race"  
names(Condensed\_weights)[names(Condensed\_weights)=="VCF9222"] <- "Country\_direction"

summary(Age)

#Regressions

#creating dummy variables

summary("Gender")  
Age\_Dummy <- factor(Age)  
is.factor(Age\_Dummy)  
  
Gender\_DV <- factor("Gender")  
is.factor(Gender\_DV)  
  
Future\_UE\_Var <- factor("UE")  
is.factor(Future\_UE\_Var)  
  
Better\_worse\_dummy <- factor("Better\_worse")  
is.factor(Better\_worse\_dummy)  
  
FED\_Gov\_tax\_dummy <- factor("FED\_Tax")  
is.factor(FED\_Gov\_tax\_dummy)  
  
bw\_parties\_DV <- factor("Bw\_parties")  
is.factor(bw\_parties\_DV)  
  
Contacted\_by\_party\_DV <- factor("contacted\_by\_party")  
is.factor(Contacted\_by\_party\_DV)  
  
Control\_split\_DV <- factor("control\_split")  
is.factor(Control\_split\_DV)  
  
Race\_DV <- factor("Race")  
is.factor(Race\_DV)  
  
Dummy\_dep\_voting <- ifelse (VCF0702 > 1, 1, 0)  
summary (Dummy\_dep)  
  
Dummy\_right\_dir <- ifelse ("Country\_direction" > 1, 0, 1)  
summary (Dummy\_right\_dir)  
  
reg\_Dummyvar <- lm(Dummy\_dep ~ Age\_Dummy + Gender\_DV + Dummy\_right\_dir + Better\_worse\_dummy + Future\_UE\_Var + FED\_Gov\_tax\_dummy + bw\_parties\_DV + Contacted\_by\_party\_DV + Control\_split\_DV + Race\_DV, weights= VCF0009z, data=Condensed\_weights)  
summary(reg\_Dummyvar)