FS464\_Step01\_Configuration.R

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#creacion fichero de trabajo global  
#creacion de variables de trabajo recodificandolas   
#las variables ordinales pasan a tener valores numericos  
#las variables con datos como no sabe no contesta pasa a ser NA  
  
#al final creo el fichero de españa como selección de las variables globales ya modificadas  
  
  
#ojo definicion del diretorio de trabajo de R  
a<-"C:/Users/amart/Documents/UOC/2020\_2/TFM/Eurobarometro\_FS\_464"  
setwd(a)  
  
library(dplyr)

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

library(tidyr)  
library(haven)  
library(Rcmdr)

## Loading required package: splines

## Loading required package: RcmdrMisc

## Loading required package: car

## Loading required package: carData

##   
## Attaching package: 'car'

## The following object is masked from 'package:dplyr':  
##   
## recode

## Loading required package: sandwich

## Loading required package: effects

## Registered S3 methods overwritten by 'lme4':  
## method from  
## cooks.distance.influence.merMod car   
## influence.merMod car   
## dfbeta.influence.merMod car   
## dfbetas.influence.merMod car

## lattice theme set by effectsTheme()  
## See ?effectsTheme for details.

## La interfaz R-Commander sólo funciona en sesiones interactivas

##   
## Attaching package: 'Rcmdr'

## The following object is masked from 'package:base':  
##   
## errorCondition

library(car)  
library(ggplot2, pos = 19)  
library(abind, pos = 19)  
library(gmodels)  
library(reshape)

## Warning: package 'reshape' was built under R version 3.6.3

##   
## Attaching package: 'reshape'

## The following objects are masked from 'package:tidyr':  
##   
## expand, smiths

## The following object is masked from 'package:dplyr':  
##   
## rename

#creación fichero de trabajo global con las variables recodificadas,  
  
#fichero original en R. No se modifica.  
FS464 <- read.table("FlashEurbarometer464.txt", header = TRUE,   
 sep = "\t", na.strings = "NA", dec = ".", strip.white = TRUE)  
save("FS464", file ="FS464.RData")  
  
#creaci?n fichero de trabajo  
global <- FS464  
  
save("global", file = "global.RData")  
load("global.RData")  
  
#  
#sustituir DK/NA y DK (SPONT.) por NA  
  
global <- within(global, {  
 d13 <- Recode(d13, "\"DK (SPONT.)\" = NA", as.factor = TRUE)  
})  
  
  
global <- within(global, {  
 q4\_2 <- Recode(q4\_2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q2 <- Recode(q2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q3 <- Recode(q3, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_1 <- Recode(q1\_1, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_2 <- Recode(q1\_2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_3 <- Recode(q1\_3, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_4 <- Recode(q1\_4, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_5 <- Recode(q1\_5, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q1\_6 <- Recode(q1\_6, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 q4\_1 <- Recode(q4\_1, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd2 <- Recode(sd2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.1 <- Recode(sd3.1, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
#sustituyo NOt mentioned por NA  
global <- within(global, {  
 sd3.1 <- Recode(sd3.1, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.2 <- Recode(sd3.2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.2 <- Recode(sd3.2, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.3 <- Recode(sd3.3, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.3 <- Recode(sd3.3, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.4 <- Recode(sd3.4, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.4 <- Recode(sd3.4, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.5 <- Recode(sd3.5, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.5 <- Recode(sd3.5, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
  
  
  
global <- within(global, {  
 sd1.1 <- Recode(sd1.1, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
#sustituyo NOt mentioned por NA  
global <- within(global, {  
 sd1.1 <- Recode(sd1.1, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.2 <- Recode(sd1.2, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.2 <- Recode(sd1.2, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.3 <- Recode(sd1.3, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.3 <- Recode(sd1.3, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.4 <- Recode(sd1.4, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.4 <- Recode(sd1.4, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.5 <- Recode(sd1.5, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.5 <- Recode(sd1.5, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
  
global <- within(global, {  
 sd1.6 <- Recode(sd1.6, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.6 <- Recode(sd1.6, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.7 <- Recode(sd1.7, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.7 <- Recode(sd1.7, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
  
global <- within(global, {  
 sd1.8 <- Recode(sd1.8, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.8 <- Recode(sd1.8, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
  
  
#NO usar sd1.9 a sd1.1. De todas formas las manipulo  
global <- within(global, {  
 sd1.9 <- Recode(sd1.9, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.9 <- Recode(sd1.9, "\"Other (DO NOT READ OUT)\" = NA", as.factor = TRUE)  
})  
  
global <- within(global, {  
 sd1.10 <- Recode(sd1.10, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.10 <- Recode(sd1.10, "\"None of these (DO NOT READ OUT)\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.11 <- Recode(sd1.11, "\"Not mentioned\" = NA", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.11 <- Recode(sd1.11, "\"DK/NA\" = NA", as.factor = TRUE)  
})  
  
#convierto la variable d4 (fin estudios a factor)  
#No uso de momento  
#global <- within(global, {  
# d4\_F <- d4   
#})  
  
#factor(global$d4\_F)  
  
#recodifico la variable d4r1 y d4r2 eliminado los refusal.  
#de momento d4r1 no la recodifico  
#global <- within(global, {  
# d4r1NA <- Recode(d4r1, "c(\"DK\" ) = NA;c( \"Refusal\" ) = NA",   
# as.factor = TRUE)  
#})  
  
global <- within(global, {  
 d4r2 <- Recode(d4r2, "c(\"DK\" ) = NA;c( \"Refusal\" ) = NA",   
 as.factor = TRUE)  
})  
  
#d5 trabajo  
global <- within(global, {  
 d5r <- Recode(d5r, "c(\"DK\" ) = NA;c( \"Refusal\" ) = NA",   
 as.factor = TRUE)  
})  
  
save("global", file = "global.RData")  
  
#global <- within(global, q4\_2NA!="NA")  
  
#Reclasificacion de la variable q4\_1, q4\_2, q2, q3 en q4\_1, q4\_2, q2, q3  
#creo variables ordinales mediante la funcion facotr ordered = true  
  
global <- within(global, {  
 q2 <- factor(q2, levels = c("Seldom or Never", "Several times a month",   
 "At least once a week", "Every day or almost everyday"), ordered = TRUE)  
})  
  
global <- within(global, {  
 q3 <- factor(q3, levels=c("Not at all confident", "Not very confident",   
 "Somewhat confident", "Very confident"),ordered = TRUE)   
})  
global <- within(global, {  
 q4\_2 <- factor(q4\_2, levels = c("No, definitely not", "No, not really",  
 "Yes, to some extent","Yes, definitely"), ordered = TRUE)   
})  
global <- within(global, {  
 q4\_1 <- factor(q4\_1, levels = c("No, definitely not", "No, not really",  
 "Yes, to some extent","Yes, definitely"), ordered = TRUE)   
})  
  
save("global", file = "global.RData")  
  
#reclasifica q1\_1 ... q1\_6 en q1\_1 ... q1\_6  
#creo variables ordinales con factor n?mero  
  
global <- within(global, {  
 q1\_1 <- factor(q1\_1, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
global <- within(global, {  
 q1\_2 <- factor(q1\_2, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
global <- within(global, {  
 q1\_3 <- factor(q1\_3, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
global <- within(global, {  
 q1\_4 <- factor(q1\_4, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
global <- within(global, {  
 q1\_5 <- factor(q1\_5, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
global <- within(global, {  
 q1\_6 <- factor(q1\_6, levels = c("Do not trust at all","Tend not to trust",  
 "Tend to trust","Totally trust"), ordered = TRUE)   
})  
  
save("global", file = "global.RData")  
  
#reclasifica sd2 en sd2  
#creo variables ordinales con factor n?mero  
  
global <- within(global, {  
 sd2 <- factor(sd2, levels = c("Seldom or Never","Several times a month",   
 "At least once a week","Every day or almost everyday"), ordered = TRUE)   
})  
  
#reclasifica las sd3 creando a variable suma\_sd3 para poder trabajarla  
#creo variables ordinales con factor n?mero  
  
global <- within(global, {  
 sd3.1n <- Recode(sd3.1, "c(\"Read or listen to what is shared by others\") = 1",   
 as.numeric=TRUE)  
})  
  
  
global <- within(global, {  
 sd3.2n <- Recode(sd3.2, "c(\"Share things you found yourself\") = 1",   
 as.numeric=TRUE)  
})  
  
global <- within(global, {  
 sd3.3n <- Recode(sd3.3, "c(\"Share things others have shared with you\") = 1",   
 as.numeric=TRUE)  
})  
  
  
  
  
#reclasifica las sd1 creando a variable suma\_sd1 para poder trabajarla  
#creo variables ordinales con factor n?mero  
#solo seleccion redes sociales e internet  
  
global <- within(global, {  
 sd1.2n <- Recode(sd1.2, "c(\"Online newspapers and news magazines\") = 1",   
 as.numeric=TRUE)  
})  
  
  
global <- within(global, {  
 sd1.4n <- Recode(sd1.4, "c(\"Online social networks and messaging apps\") = 1",   
 as.numeric=TRUE)  
})  
  
global <- within(global, {  
 sd1.8n <- Recode(sd1.8, "c(\"Video hosting websites\") = 1",   
 as.numeric=TRUE)  
})  
#sustituye los NA por cero  
  
global <- within(global, {  
 sd1.2n <- Recode(sd1.2n, "NA=0", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.4n <- Recode(sd1.4n, "NA=0", as.factor = TRUE)  
})  
global <- within(global, {  
 sd1.8n <- Recode(sd1.8n, "NA=0", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.1n <- Recode(sd3.1n, "NA=0", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.2n <- Recode(sd3.2n, "NA=0", as.factor = TRUE)  
})  
global <- within(global, {  
 sd3.3n <- Recode(sd3.3n, "NA=0", as.factor = TRUE)  
})  
  
global <- within(global, {  
 q4\_2ORD <- Recode(q4\_2, "c(\"No, definitely not\" ) = 0;c( \"No, not really\" ) = 1;  
 c( \"Yes, to some extent\" ) = 2;c( \"Yes, definitely\" ) = 3 ;",   
 as.factor = TRUE)  
})  
save("global", file = "global.RData")  
  
  
#ordeno la variable d1r2 "edad" NO sé si es necesario  
global <- within(global, {  
 d1r2 <- factor(d1r2, levels = c("15 - 24 years","25 - 34 years",   
 "35 - 44 years","45 - 54 years",  
 "55 - 64 years",   
 "65 years and older"), ordered = TRUE)   
})  
  
  
#ordeno la variable d4r2 "edad en que dejo los estudios"  
global <- within(global, {  
 d4r2 <- factor(d4r2, levels = c("No full-time education","Up to 15",   
 "16-19","20 years and older",  
 "Still Studying"), ordered = TRUE)   
})  
  
  
#ordeno la variable d13 "lugar de residencia"  
global <- within(global, {  
 d13 <- factor(d13, levels = c("Rural area or village","Small or middle sized town",   
 "Large town"), ordered = TRUE)  
})  
#creacion variable binaria yes= 1, No= 0  
global <- within(global, {  
 q4\_2BIN <- Recode(q4\_2, "c(\"No, definitely not\" ) = 0;c( \"No, not really\" ) = 0;c( \"Yes, to some extent\" ) = 1;c( \"Yes, definitely\" ) = 1 ;",   
 as.factor = TRUE)  
})  
#creacion variable binaria yes= 1, No= 0  
#creaci?n variable ideologia gobierno  
global <- within(global, {  
 idgov <- Recode(isocntry, "c(\"AT\") = 8;  
 c(\"BE\") = 6;  
 c(\"BG\") = 7;  
 c(\"CY\") = 6;  
 c(\"CZ\") = 4;  
 c(\"DE\") = 5;  
 c(\"DK\") = 7;  
 c(\"EE\") = 6;  
 c(\"ES\") = 7;   
 c(\"FI\") = 6;  
 c(\"FR\") = 5;  
 c(\"GB\") = 6;  
 c(\"GR\") = 4;  
 c(\"HR\") = 6;  
 c(\"HU\") = 7;  
 c(\"IE\") = 6;  
 c(\"IT\") = 6;  
 c(\"LT\") = 5;  
 c(\"LU\") = 5;  
 c(\"LV\") = 6;  
 c(\"MT\") = 4;  
 c(\"NL\") = 6;  
 c(\"PL\") = 8;  
 c(\"PT\") = 4;  
 c(\"RO\") = 4;  
 c(\"SE\") = 4;  
 c(\"SI\") = 6;  
 c(\"SK\") = 5",   
 as.factor = TRUE)  
})  
global <- within(global, {  
 idcom <- Recode(d12es, "c(\"Andalucia\") = 4;  
 c(\"Aragon\") = 4;  
 c(\"Asturias\") = 4;  
 c(\"Baleares\") = 4;  
 c(\"Canarias\") = 7;  
 c(\"Cantabria\") = 4;  
 c(\"Castilla/La Mancha\") = 4;  
 c(\"Castilla/Leon\") = 7;  
 c(\"Cataluna\") = 2;   
 c(\"Extremadura\") = 4;  
 c(\"Galicia\") = 7;  
 c(\"Madrid\") = 7;  
 c(\"Murcia\") = 7;  
 c(\"Navarra\") = 4;  
 c(\"Pais Vasco\") = 7;  
 c(\"Rioja\") = 7;  
 c(\"Valencia\") = 4",  
 as.factor = TRUE)  
})  
  
save("global", file = "global.RData")