PEC 3: Peace Agreements

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Contents

1. Introducción

Los datos que se analizan en este informe corresponden a los datos de los acuerdos de paz disponibles en http://www.peaceagreements.org en especial los que se proporcionan en el fichero https://www.peaceagreements.org/files/pax_all_agreements_data.csv de la web.

El archivo consta de 1789 registros con 266 variables detalladas en https://www.peaceagreements.org/files/PA_X_codebook_Version2_June_2019.pdf

2. Análisis descriptivo.

2.1. Carga de los datos.

Cargo el archivo de datos 'pax_all_agreements_data.csv'. Una vez cargado el archivo, compruebo el tipo de datos de los mismos.

Primero, inspecciono el tipo de formato .csv que tiene el archivo.

```r
# Método alternativo para inspeccionar el archivo.
#fileName <- "rawData.csv"
#conn <- file(fileName, open = "r")
#lines <- readLines(conn)
#head(lines)
#close(conn)
#Inspecciono el archivo
filecheck <- readLines("pax_all_agreements_data.csv")
# Muestro la cabecera
#print(filecheck[0:4])
#head(filecheck,4)
# Muestro la cabecera formateada con kable
kable(head(filecheck), caption = 'Primeras lineas del archivo $pax_all_agreements_data.csv$') %>%
  kable_styling("condensed", full_width = F, position = "left") %>%
  #Para quitar una x que toma por defecto como nombre de columna
  row_spec(0, color = "white")
```

Table 1: Primeras lineas del archivo *pa_all_agreements_data.csv*

x
ï»¿Con,Contp,PP,PPName,Reg,AgtId,Agt,Dat,Status,Lgt,N_characters,Agtp,Stage,StageSub,Part,ThrdPart,OthAgr,Loc1
Afghanistan,Government,2,"Afghanistan: 2000s Post-intervention process","Europe and Eurasia",1739,"Agreement betwee
Afghanistan,Government,2,"Afghanistan: 2000s Post-intervention process","Europe and Eurasia",1923,"Agreement betwee
Dr. Abdullah Abdullah","The foregoing signatures were witnessed by:
H.E. Jan Kubis, Special Representative of the Secretary General of the United Nations
H.E. James B. Cunningham, Ambassador of the United States of America","Page 3, D. Creation of the position of leader

Se observa como el fichero está separado por comas "," y el delimitador de decimales es el punto.

Procedo a leer el archivo en un dataframe y muestro las primeras líneas.

```r
# Leo el archivo en el dataframe peace
peace <- read.csv("pax_all_agreements_data.csv", sep=",",na.strings = "NA")
# Muestro las primeras líneas formateadas con kable
kable(head(peace)) %>%
  #kable_styling(bootstrap_options = c("striped", "hover",
  #                                    "bordered", condensed", "responsive"))
  kable_styling("condensed", full_width = F, position = "left")
```

ï..Con	Contp	PP	PPName	Reg	AgtId	Agt
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	1739	Agreem
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	1923	Agreem
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	864	Tokyo
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	848	Conclus
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	849	Istanbu
Afghanistan	Government	2	Afghanistan: 2000s Post-intervention process	Europe and Eurasia	709	Renewe

Muestro el número de registros, el número de variables y el nombre de las variables.

```r
#Número de registros
nrow(peace)
```

```
## [1] 1789
```

```r
#Número de variables
ncol(peace)
```

```
## [1] 266
```

```r
#Nombre de las variables
colnames(peace)
```

```
##   [1] "ï..Con"       "Contp"        "PP"           "PPName"
##   [5] "Reg"          "AgtId"        "Agt"          "Dat"
##   [9] "Status"       "Lgt"          "N_characters" "Agtp"
##  [13] "Stage"        "StageSub"     "Part"         "ThrdPart"
##  [17] "OthAgr"       "Loc1ISO"      "Loc2ISO"      "Loc1GWNO"
##  [21] "Loc2GWNO"     "UcdpCon"      "UcdpAgr"      "PamAgr"
```

```
##   [25] "CowWar"       "GCh"          "GChRhet"      "GChAntid"
##   [29] "GChSubs"      "GChOth"       "GDis"         "GDisRhet"
##   [33] "GDisAntid"    "GDisSubs"     "GDisOth"      "GAge"
##   [37] "GAgeRhet"     "GAgeAntid"    "GAgeSubs"     "GAgeOth"
##   [41] "GMig"         "GMigRhet"     "GMigAntid"    "GMigSubs"
##   [45] "GMigOth"      "GRa"          "GRaRhet"      "GRaAntid"
##   [49] "GRaSubs"      "GRaOth"       "GRe"          "GReRhet"
##   [53] "GReAntid"     "GReSubs"      "GReOth"       "GInd"
##   [57] "GIndRhet"     "GIndAntid"    "GIndSubs"     "GIndOth"
##   [61] "GOth"         "GOthRhet"     "GOthAntid"    "GOthSubs"
##   [65] "GOthOth"      "GRef"         "GRefRhet"     "GRefSubs"
##   [69] "GRefOth"      "GSoc"         "GSocRhet"     "GSocAntid"
##   [73] "GSocSubs"     "GSocOth"      "GeWom"        "GeMe"
##   [77] "GeMeNu"       "GeMeOth"      "GeSo"         "GeLgbti"
##   [81] "GeLgbtiPos"   "GeLgbtiNeg"   "GeFa"         "StDef"
##   [85] "StGen"        "StCon"        "StSd"         "StRef"
##   [89] "StSym"        "StInd"        "StUni"        "StBor"
##   [93] "StXbor"       "Pol"          "PolGen"       "PolNewInd"
##   [97] "PolNewTemp"   "ConRen"       "Cons"         "Ele"
##  [101] "ElecComm"     "PolPar"       "PolParTrans"  "PolParOth"
##  [105] "Civso"        "Tral"         "Pubad"        "Polps"
##  [109] "PpsSt"        "PpsSub"       "PpsEx"        "PpsOro"
##  [113] "PpsOthPr"     "PpsVet"       "PpsAut"       "PpsInt"
##  [117] "PpsOth"       "Terps"        "TpsSub"       "TpsLoc"
##  [121] "TpsAut"       "TpsOth"       "Eps"          "EpsRes"
##  [125] "EpsFis"       "EpsOth"       "Mps"          "MpsMe"
##  [129] "MpsJt"        "MpsPro"       "MpsOth"       "HrGen"
##  [133] "EqGen"        "HrDem"        "Prot"         "ProtCiv"
##  [137] "ProtGrp"      "ProtLgl"      "ProtOth"      "HrFra"
##  [141] "HrfSp"        "HrfBor"       "HrfTinc"      "HrfOth"
##  [145] "HrCp"         "CprLife"      "CprTort"      "CprEq"
##  [149] "CprSlav"      "CprLib"       "CprDet"       "CprFmov"
##  [153] "CprFspe"      "CprFass"      "CprTria"      "CprPriv"
##  [157] "CprVote"      "CprReli"      "CprOth"       "HrSec"
##  [161] "SerProp"      "SerWork"      "SerHeal"      "SerEdu"
##  [165] "SerStdl"      "SerShel"      "SerSs"        "SerCult"
##  [169] "SerOth"       "HrNi"         "HrNiMe"       "HrNiNe"
##  [173] "HrNiOth"      "HrIi"         "HrIiMon"      "HrIiBod"
##  [177] "HrIiOth"      "HrMob"        "HrDet"        "Med"
##  [181] "MedGov"       "MedSubs"      "MedLog"       "MedOth"
##  [185] "HrCit"        "CitGen"       "CitRights"    "CitDef"
##  [189] "CitOth"       "JusCr"        "JusCrSp"      "JusCrSys"
##  [193] "JusCrPow"     "JusEm"        "JusJu"        "JusPri"
##  [197] "JusTra"       "Dev"          "DevSoc"       "DevHum"
##  [201] "DevInfra"     "NEC"          "NatRes"       "IntFu"
##  [205] "Bus"          "Tax"          "TaxPo"        "TaxRef"
##  [209] "TaxOth"       "Ban"          "CenBan"       "BanPers"
##  [213] "BanInt"       "BanXb"        "LaRef"        "LaRefMan"
##  [217] "LaRefRet"     "LaRefOth"     "LaNom"        "LaCH"
##  [221] "LaCHTa"       "LaCHIt"       "LaCHPro"      "LaCHOth"
##  [225] "LaEn"         "Wat"          "SsrGua"       "Ce"
##  [229] "CeProv"       "CeGen"        "SsrPol"       "SsrArm"
##  [233] "SsrDdr"       "DdrDemil"     "DdrProg"      "SsrInt"
##  [237] "SsrPsf"       "SsrFf"        "Cor"          "SsrCrOcr"
```

```
## [241] "SsrDrugs"      "Terr"          "TjGen"         "TjAm"
## [245] "TjAmPro"        "TjSan"         "TjPower"       "TjAmBan"
## [249] "TjCou"          "TjJaNc"        "TjJaIc"        "TjMech"
## [253] "TjPrire"        "TjVet"         "TjVic"         "TjMis"
## [257] "TjRep"          "TjRSym"        "TjRMa"         "TjNR"
## [261] "ImUN"           "ImOth"         "ImRef"         "ImPK"
## [265] "ImE"            "ImSrc"
```

Cambio los nombres de las variables.

```r
# Muestro la estructura del dataframe
names(peace)[1] <- "Country"
names(peace)[2] <- "Conflict_type"
names(peace)[3] <- "Peace_Process_Number"
names(peace)[4] <- "Peace Process_name"
names(peace)[5] <- "Region"
names(peace)[6] <- "Agreement_Id"
names(peace)[7] <- "Agreement_Name"
names(peace)[8] <- "Date_Signed"
names(peace)[9] <- "Agreement_Definition_and_Status"
names(peace)[10] <- "Agrmnt_length_pages"
names(peace)[11] <- "Agrmnt_length_characters"
names(peace)[12] <- "Agrmnt_Conflict_Type"
names(peace)[13] <- "Agreement_Stage"
names(peace)[14] <- "Sub_stage"
names(peace)[15] <- "Parties"
names(peace)[16] <- "Third_Party"
names(peace)[17] <- "Other_Agreement"
#names(peace)[18] <- "LOC1ISO"
#names(peace)[19] <- "LOC2ISO"
#names(peace)[20] <- "Loc1GWNO"
#names(peace)[21] <- "Loc2GWNO"
names(peace)[22] <- "Uppsala_Conflict_Data_Program_Conflict_ID"
names(peace)[23] <- "Uppsala_Conflict_Data_Program_Peace_Agreement"
names(peace)[24] <- "Peace_Accord_Matrix_Agrmnt"
names(peace)[25] <- "Correlates_War"
```

Los vuelvo a mostrar

```r
#Nombre de las variables
colnames(peace)
```

```
##    [1] "Country"
##    [2] "Conflict_type"
##    [3] "Peace_Process_Number"
##    [4] "Peace Process_name"
##    [5] "Region"
##    [6] "Agreement_Id"
##    [7] "Agreement_Name"
##    [8] "Date_Signed"
##    [9] "Agreement_Definition_and_Status"
##   [10] "Agrmnt_length_pages"
##   [11] "Agrmnt_length_characters"
```

```
##  [12] "Agrmnt_Conflict_Type"
##  [13] "Agreement_Stage"
##  [14] "Sub_stage"
##  [15] "Parties"
##  [16] "Third_Party"
##  [17] "Other_Agreement"
##  [18] "Loc1ISO"
##  [19] "Loc2ISO"
##  [20] "Loc1GWNO"
##  [21] "Loc2GWNO"
##  [22] "Uppsala_Conflict_Data_Program_Conflict_ID"
##  [23] "Uppsala_Conflict_Data_Program_Peace_Agreement"
##  [24] "Peace_Accord_Matrix_Agrmnt"
##  [25] "Correlates_War"
##  [26] "GCh"
##  [27] "GChRhet"
##  [28] "GChAntid"
##  [29] "GChSubs"
##  [30] "GChOth"
##  [31] "GDis"
##  [32] "GDisRhet"
##  [33] "GDisAntid"
##  [34] "GDisSubs"
##  [35] "GDisOth"
##  [36] "GAge"
##  [37] "GAgeRhet"
##  [38] "GAgeAntid"
##  [39] "GAgeSubs"
##  [40] "GAgeOth"
##  [41] "GMig"
##  [42] "GMigRhet"
##  [43] "GMigAntid"
##  [44] "GMigSubs"
##  [45] "GMigOth"
##  [46] "GRa"
##  [47] "GRaRhet"
##  [48] "GRaAntid"
##  [49] "GRaSubs"
##  [50] "GRaOth"
##  [51] "GRe"
##  [52] "GReRhet"
##  [53] "GReAntid"
##  [54] "GReSubs"
##  [55] "GReOth"
##  [56] "GInd"
##  [57] "GIndRhet"
##  [58] "GIndAntid"
##  [59] "GIndSubs"
##  [60] "GIndOth"
##  [61] "GOth"
##  [62] "GOthRhet"
##  [63] "GOthAntid"
##  [64] "GOthSubs"
##  [65] "GOthOth"
```

```
##  [66] "GRef"
##  [67] "GRefRhet"
##  [68] "GRefSubs"
##  [69] "GRefOth"
##  [70] "GSoc"
##  [71] "GSocRhet"
##  [72] "GSocAntid"
##  [73] "GSocSubs"
##  [74] "GSocOth"
##  [75] "GeWom"
##  [76] "GeMe"
##  [77] "GeMeNu"
##  [78] "GeMeOth"
##  [79] "GeSo"
##  [80] "GeLgbti"
##  [81] "GeLgbtiPos"
##  [82] "GeLgbtiNeg"
##  [83] "GeFa"
##  [84] "StDef"
##  [85] "StGen"
##  [86] "StCon"
##  [87] "StSd"
##  [88] "StRef"
##  [89] "StSym"
##  [90] "StInd"
##  [91] "StUni"
##  [92] "StBor"
##  [93] "StXbor"
##  [94] "Pol"
##  [95] "PolGen"
##  [96] "PolNewInd"
##  [97] "PolNewTemp"
##  [98] "ConRen"
##  [99] "Cons"
## [100] "Ele"
## [101] "ElecComm"
## [102] "PolPar"
## [103] "PolParTrans"
## [104] "PolParOth"
## [105] "Civso"
## [106] "Tral"
## [107] "Pubad"
## [108] "Polps"
## [109] "PpsSt"
## [110] "PpsSub"
## [111] "PpsEx"
## [112] "PpsOro"
## [113] "PpsOthPr"
## [114] "PpsVet"
## [115] "PpsAut"
## [116] "PpsInt"
## [117] "PpsOth"
## [118] "Terps"
## [119] "TpsSub"
```

```
## [120] "TpsLoc"
## [121] "TpsAut"
## [122] "TpsOth"
## [123] "Eps"
## [124] "EpsRes"
## [125] "EpsFis"
## [126] "EpsOth"
## [127] "Mps"
## [128] "MpsMe"
## [129] "MpsJt"
## [130] "MpsPro"
## [131] "MpsOth"
## [132] "HrGen"
## [133] "EqGen"
## [134] "HrDem"
## [135] "Prot"
## [136] "ProtCiv"
## [137] "ProtGrp"
## [138] "ProtLgl"
## [139] "ProtOth"
## [140] "HrFra"
## [141] "HrfSp"
## [142] "HrfBor"
## [143] "HrfTinc"
## [144] "HrfOth"
## [145] "HrCp"
## [146] "CprLife"
## [147] "CprTort"
## [148] "CprEq"
## [149] "CprSlav"
## [150] "CprLib"
## [151] "CprDet"
## [152] "CprFmov"
## [153] "CprFspe"
## [154] "CprFass"
## [155] "CprTria"
## [156] "CprPriv"
## [157] "CprVote"
## [158] "CprReli"
## [159] "CprOth"
## [160] "HrSec"
## [161] "SerProp"
## [162] "SerWork"
## [163] "SerHeal"
## [164] "SerEdu"
## [165] "SerStdl"
## [166] "SerShel"
## [167] "SerSs"
## [168] "SerCult"
## [169] "SerOth"
## [170] "HrNi"
## [171] "HrNiMe"
## [172] "HrNiNe"
## [173] "HrNiOth"
```

```
## [174] "HrIi"
## [175] "HrIiMon"
## [176] "HrIiBod"
## [177] "HrIiOth"
## [178] "HrMob"
## [179] "HrDet"
## [180] "Med"
## [181] "MedGov"
## [182] "MedSubs"
## [183] "MedLog"
## [184] "MedOth"
## [185] "HrCit"
## [186] "CitGen"
## [187] "CitRights"
## [188] "CitDef"
## [189] "CitOth"
## [190] "JusCr"
## [191] "JusCrSp"
## [192] "JusCrSys"
## [193] "JusCrPow"
## [194] "JusEm"
## [195] "JusJu"
## [196] "JusPri"
## [197] "JusTra"
## [198] "Dev"
## [199] "DevSoc"
## [200] "DevHum"
## [201] "DevInfra"
## [202] "NEC"
## [203] "NatRes"
## [204] "IntFu"
## [205] "Bus"
## [206] "Tax"
## [207] "TaxPo"
## [208] "TaxRef"
## [209] "TaxOth"
## [210] "Ban"
## [211] "CenBan"
## [212] "BanPers"
## [213] "BanInt"
## [214] "BanXb"
## [215] "LaRef"
## [216] "LaRefMan"
## [217] "LaRefRet"
## [218] "LaRefOth"
## [219] "LaNom"
## [220] "LaCH"
## [221] "LaCHTa"
## [222] "LaCHIt"
## [223] "LaCHPro"
## [224] "LaCHOth"
## [225] "LaEn"
## [226] "Wat"
## [227] "SsrGua"
```

```
## [228] "Ce"
## [229] "CeProv"
## [230] "CeGen"
## [231] "SsrPol"
## [232] "SsrArm"
## [233] "SsrDdr"
## [234] "DdrDemil"
## [235] "DdrProg"
## [236] "SsrInt"
## [237] "SsrPsf"
## [238] "SsrFf"
## [239] "Cor"
## [240] "SsrCrOcr"
## [241] "SsrDrugs"
## [242] "Terr"
## [243] "TjGen"
## [244] "TjAm"
## [245] "TjAmPro"
## [246] "TjSan"
## [247] "TjPower"
## [248] "TjAmBan"
## [249] "TjCou"
## [250] "TjJaNc"
## [251] "TjJaIc"
## [252] "TjMech"
## [253] "TjPrire"
## [254] "TjVet"
## [255] "TjVic"
## [256] "TjMis"
## [257] "TjRep"
## [258] "TjRSym"
## [259] "TjRMa"
## [260] "TjNR"
## [261] "ImUN"
## [262] "ImOth"
## [263] "ImRef"
## [264] "ImPK"
## [265] "ImE"
## [266] "ImSrc"
```

Se han cargado por tanto las 266 variables y 1789 registros que comentaba el enunciado. Valido el tipo de datos que se han leido.

Muestro el tipo de cada variable.

```
# Muestro la estructura del dataframe
str(peace, list.len=ncol(peace))
```

```
## 'data.frame':    1789 obs. of  266 variables:
##  $ Country                              : Factor w/ 169 levels "(Bougainville)/(United Nation..
##  $ Conflict_type                        : Factor w/ 5 levels "Government","Government/territo..
##  $ Peace_Process_Number                 : int  2 2 2 2 2 2 2 2 2 2 ...
##  $ Peace Process_name                   : Factor w/ 152 levels "","Abkhazia peace process",..
##  $ Region                               : Factor w/ 6 levels "Africa (excl MENA)",..: 5 5 5 5 5
```

```
##  $ Agreement_Id                                      : int  1739 1923 864 848 849 709 708 707 706 847 ...
##  $ Agreement_Name                                     : Factor w/ 1753 levels "'Hudnaâ\200\231 (truce) of a
##  $ Date_Signed                                        : Factor w/ 1470 levels "1990-02-15","1990-03-01",..
##  $ Agreement_Definition_and_Status                    : Factor w/ 4 levels "Agreement with subsequent statu
##  $ Agrmnt_length_pages                                : int  4 4 14 7 10 9 4 7 4 3 ...
##  $ Agrmnt_length_characters                           : int  10203 11110 39746 24106 21299 33137 9289 2707
##  $ Agrmnt_Conflict_Type                               : Factor w/ 4 levels "Inter","InterIntra",..: 3 3 2 2
##  $ Agreement_Stage                                    : Factor w/ 7 levels "Cea","Imp","Oth",..: 7 2 2 4 2
##  $ Sub_stage                                          : Factor w/ 22 levels "","CeaMix","Ceas",..: 13 6 6 1
##  $ Parties                                            : Factor w/ 1683 levels "","'YATAMA' Atlantic Front o
##  $ Third_Party                                        : Factor w/ 851 levels "","'As witnesses': Cuban amba
##  $ Other_Agreement                                    : Factor w/ 927 levels "","- 1 February 2008 agreemen
##  $ Loc1ISO                                            : Factor w/ 82 levels "","AFG","AGO",..: 2 2 2 2 2 2 2
##  $ Loc2ISO                                            : Factor w/ 30 levels "","ARM","ERI",..: 1 1 1 1 1 1 1
##  $ Loc1GWNO                                           : int  700 700 700 700 700 700 700 700 700 700 ...
##  $ Loc2GWNO                                           : int  NA NA NA NA NA NA NA NA NA NA ...
##  $ Uppsala_Conflict_Data_Program_Conflict_ID          : Factor w/ 111 levels "","11344","11345",..: 53 53 5
##  $ Uppsala_Conflict_Data_Program_Peace_Agreement: num  1488 NA NA NA NA ...
##  $ Peace_Accord_Matrix_Agrmnt                         : int  NA NA NA NA NA NA NA NA NA NA ...
##  $ Correlates_War                                     : int  851 225 225 225 225 225 225 225 225 225 ...
##  $ GCh                                                : int  0 2 1 1 0 2 1 0 0 0 ...
##  $ GChRhet                                            : int  0 1 1 1 0 0 1 0 0 0 ...
##  $ GChAntid                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GChSubs                                            : int  0 1 0 0 0 1 0 0 0 0 ...
##  $ GChOth                                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GDis                                               : int  0 2 0 0 0 0 0 0 0 0 ...
##  $ GDisRhet                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GDisAntid                                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GDisSubs                                           : int  0 1 0 0 0 0 0 0 0 0 ...
##  $ GDisOth                                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GAge                                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GAgeRhet                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GAgeAntid                                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GAgeSubs                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GAgeOth                                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GMig                                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GMigRhet                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GMigAntid                                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GMigSubs                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GMigOth                                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GRa                                                : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ GRaRhet                                            : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ GRaAntid                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GRaSubs                                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GRaOth                                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GRe                                                : int  0 0 0 0 0 0 2 0 0 0 ...
##  $ GReRhet                                            : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ GReAntid                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GReSubs                                            : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ GReOth                                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GInd                                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GIndRhet                                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GIndAntid                                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GIndSubs                                           : int  0 0 0 0 0 0 0 0 0 0 ...
```

```
##  $ GIndOth                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GOth                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GOthRhet                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GOthAntid                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GOthSubs                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GOthOth                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GRef                           : int  2 0 1 1 1 1 1 1 0 0 ...
##  $ GRefRhet                       : int  0 0 1 1 1 1 0 1 0 0 ...
##  $ GRefSubs                       : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ GRefOth                        : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ GSoc                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GSocRhet                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GSocAntid                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GSocSubs                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GSocOth                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeWom                          : int  1 1 1 1 1 1 1 1 1 0 ...
##  $ GeMe                           : int  0 0 1 1 0 1 0 1 1 0 ...
##  $ GeMeNu                         : int  0 0 1 1 0 1 0 1 1 0 ...
##  $ GeMeOth                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeSo                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeLgbti                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeLgbtiPos                     : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeLgbtiNeg                     : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ GeFa                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StDef                          : int  1 0 1 1 1 1 0 1 1 1 ...
##  $ StGen                          : int  0 0 1 1 1 1 0 1 1 1 ...
##  $ StCon                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StSd                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StRef                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StSym                          : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ StInd                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StUni                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StBor                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ StXbor                         : int  0 0 1 0 0 0 0 0 0 0 ...
##  $ Pol                            : int  1 1 0 0 0 0 0 0 1 0 ...
##  $ PolGen                         : int  1 0 0 0 0 0 0 0 1 0 ...
##  $ PolNewInd                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PolNewTemp                     : int  0 1 0 0 0 0 0 0 0 0 ...
##  $ ConRen                         : int  0 0 2 2 0 0 0 2 0 0 ...
##  $ Cons                           : int  0 1 0 0 0 0 0 0 0 0 ...
##  $ Ele                            : int  1 1 2 0 0 1 0 1 1 0 ...
##  $ ElecComm                       : int  0 0 0 0 0 0 0 1 0 0 ...
##  $ PolPar                         : int  2 0 0 0 0 0 0 0 0 0 ...
##  $ PolParTrans                    : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PolParOth                      : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ Civso                          : int  0 0 1 1 0 1 1 1 1 0 ...
##  $ Tral                           : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ Pubad                          : int  0 2 0 1 0 2 0 1 0 0 ...
##  $ Polps                          : int  0 3 0 0 0 0 1 0 0 0 ...
##  $ PpsSt                          : int  0 1 0 0 0 0 1 0 0 0 ...
##  $ PpsSub                         : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ PpsEx                          : int  0 1 0 0 0 0 0 0 0 0 ...
##  $ PpsOro                         : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PpsOthPr                       : int  0 1 0 0 0 0 0 0 0 0 ...
```

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```
##  $ PpsVet                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PpsAut                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PpsInt                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ PpsOth                              : int  0 0 0 0 0 1 0 0 0 0 ...
##  $ Terps                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TpsSub                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TpsLoc                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TpsAut                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TpsOth                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ Eps                                 : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ EpsRes                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ EpsFis                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ EpsOth                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ Mps                                 : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MpsMe                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MpsJt                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MpsPro                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MpsOth                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrGen                               : int  0 1 1 1 1 1 1 1 1 0 ...
##  $ EqGen                               : int  1 0 1 1 0 1 1 1 0 0 ...
##  $ HrDem                               : int  0 0 2 2 1 0 0 1 1 1 ...
##  $ Prot                                : int  0 0 1 1 0 2 0 0 0 0 ...
##  $ ProtCiv                             : int  0 0 1 1 0 1 0 0 0 0 ...
##  $ ProtGrp                             : int  0 0 0 0 0 1 0 0 0 0 ...
##  $ ProtLgl                             : int  0 0 1 0 0 1 0 0 0 0 ...
##  $ ProtOth                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrFra                               : int  0 0 3 0 0 1 0 1 0 0 ...
##  $ HrfSp                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrfBor                              : int  0 0 0 0 0 1 0 1 0 0 ...
##  $ HrfTinc                             : int  0 0 1 0 0 0 0 0 0 0 ...
##  $ HrfOth                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrCp                                : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprLife                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprTort                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprEq                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprSlav                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprLib                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprDet                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprFmov                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprFspe                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprFass                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprTria                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprPriv                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprVote                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprReli                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CprOth                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrSec                               : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerProp                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerWork                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerHeal                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerEdu                              : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerStdl                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerShel                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerSs                               : int  0 0 0 0 0 0 0 0 0 0 ...
```

```
##  $ SerCult                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SerOth                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrNi                             : int  0 0 1 0 0 1 0 1 0 0 ...
##  $ HrNiMe                           : int  0 0 1 0 0 1 0 1 0 0 ...
##  $ HrNiNe                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrNiOth                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrIi                             : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrIiMon                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrIiBod                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrIiOth                          : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrMob                            : int  0 0 0 0 1 0 0 0 0 0 ...
##  $ HrDet                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ Med                              : int  0 0 1 0 1 0 1 1 0 0 ...
##  $ MedGov                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MedSubs                          : int  0 0 1 0 1 0 1 1 0 0 ...
##  $ MedLog                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ MedOth                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ HrCit                            : int  0 0 0 2 0 2 1 2 0 0 ...
##  $ CitGen                           : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ CitRights                        : int  0 0 0 1 0 1 0 1 0 0 ...
##  $ CitDef                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CitOth                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ JusCr                            : int  0 0 0 0 0 1 0 1 0 0 ...
##  $ JusCrSp                          : int  0 0 0 0 0 1 0 0 0 0 ...
##  $ JusCrSys                         : int  0 0 0 0 0 1 0 1 0 0 ...
##  $ JusCrPow                         : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ JusEm                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ JusJu                            : int  0 0 0 0 0 1 0 0 1 0 ...
##  $ JusPri                           : int  0 0 0 0 0 0 0 1 0 0 ...
##  $ JusTra                           : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ Dev                              : int  0 0 1 2 1 1 1 1 1 1 ...
##  $ DevSoc                           : int  0 0 1 1 1 1 1 1 1 1 ...
##  $ DevHum                           : int  0 0 0 0 0 0 0 1 0 0 ...
##  $ DevInfra                         : int  0 0 0 0 1 1 0 0 1 1 ...
##  $ NEC                              : int  0 0 1 1 0 1 0 1 1 0 ...
##  $ NatRes                           : int  0 0 1 1 1 1 0 1 1 0 ...
##  $ IntFu                            : int  0 0 1 1 1 1 1 1 1 1 ...
##  $ Bus                              : int  0 0 1 1 1 1 0 0 1 0 ...
##  $ Tax                              : int  0 0 1 0 0 0 0 1 1 0 ...
##  $ TaxPo                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TaxRef                           : int  0 0 1 0 0 0 0 1 1 0 ...
##  $ TaxOth                           : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ Ban                              : int  0 0 1 0 0 1 0 0 0 0 ...
##  $ CenBan                           : int  0 0 1 0 0 0 0 0 0 0 ...
##  $ BanPers                          : int  0 0 1 0 0 0 0 0 0 0 ...
##  $ BanInt                           : int  0 0 1 0 0 1 0 0 0 0 ...
##  $ BanXb                            : int  0 0 1 0 0 0 0 0 0 0 ...
##  $ LaRef                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaRefMan                         : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaRefRet                         : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaRefOth                         : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaNom                            : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaCH                             : int  0 0 1 0 1 0 0 0 0 0 ...
##  $ LaCHTa                           : int  0 0 0 0 1 0 0 0 0 0 ...
```

```
##  $ LaCHIt                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaCHPro                                      : int  0 0 1 0 1 0 0 0 0 0 ...
##  $ LaCHOth                                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ LaEn                                         : int  0 0 1 1 1 0 0 1 0 0 ...
##  $ Wat                                          : int  0 0 0 0 1 0 0 0 1 0 ...
##  $ SsrGua                                       : int  0 0 1 1 1 1 1 1 1 1 ...
##  $ Ce                                           : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ CeProv                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ CeGen                                        : int  1 0 0 0 0 0 0 0 0 0 ...
##  $ SsrPol                                       : int  0 0 1 1 0 1 0 1 1 1 ...
##  $ SsrArm                                       : int  0 0 1 1 0 3 1 2 1 0 ...
##  $ SsrDdr                                       : int  2 0 1 1 1 1 0 1 1 0 ...
##  $ DdrDemil                                     : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ DdrProg                                      : int  1 0 1 1 1 1 0 1 1 0 ...
##  $ SsrInt                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ SsrPsf                                       : int  1 0 0 0 0 1 1 1 0 0 ...
##  $ SsrFf                                        : int  1 0 1 1 0 0 0 0 0 0 ...
##  $ Cor                                          : int  0 1 2 1 2 2 1 2 0 0 ...
##  $ SsrCrOcr                                     : int  0 0 2 0 0 2 0 2 1 2 ...
##  $ SsrDrugs                                     : int  0 0 2 1 2 2 0 2 1 1 ...
##  $ Terr                                         : int  1 0 1 1 1 1 1 1 1 1 ...
##  $ TjGen                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjAm                                         : int  0 0 0 0 0 0 2 0 0 0 ...
##  $ TjAmPro                                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjSan                                        : int  0 0 0 0 0 0 1 0 0 0 ...
##  $ TjPower                                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjAmBan                                      : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjCou                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjJaNc                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjJaIc                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjMech                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjPrire                                      : int  3 0 0 0 0 2 2 0 0 0 ...
##  $ TjVet                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjVic                                        : int  0 0 1 0 0 1 0 0 0 0 ...
##  $ TjMis                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjRep                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjRSym                                       : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjRMa                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ TjNR                                         : int  0 0 1 1 1 1 1 1 0 0 ...
##  $ ImUN                                         : int  0 1 0 1 0 0 0 0 0 0 ...
##  $ ImOth                                        : int  0 1 0 0 0 0 0 0 0 0 ...
##  $ ImRef                                        : int  0 0 0 0 0 0 0 0 0 0 ...
##  $ ImPK                                         : int  0 0 0 0 0 1 0 1 1 0 ...
##  $ ImE                                          : int  1 0 1 0 0 1 0 0 0 0 ...
##  $ ImSrc                                        : int  1 1 1 1 1 1 1 1 1 1 ...
```

```r
# Muestro el tipo de cada variable formateado con kable
vartypes <- data.table(variable = colnames(peace), clase = sapply(peace, class))
kable(vartypes, caption = "Asignación de clase de objeto R a cada variable") %>%
  kable_styling("striped", full_width = T)
```

Se observa como a partir de la columna "GCh", todas las columnas se han leido como "integer", pero deberia ser "factor", al tratarse de una variable categórica binaria. Procedo a corregirlo.

Table 2: Asignación de clase de objeto R a cada variable

variable	clase
Country	factor
Conflict_type	factor
Peace_Process_Number	integer
Peace Process_name	factor
Region	factor
Agreement_Id	integer
Agreement_Name	factor
Date_Signed	factor
Agreement_Definition_and_Status	factor
Agrmnt_length_pages	integer
Agrmnt_length_characters	integer
Agrmnt_Conflict_Type	factor
Agreement_Stage	factor
Sub_stage	factor
Parties	factor
Third_Party	factor
Other_Agreement	factor
Loc1ISO	factor
Loc2ISO	factor
Loc1GWNO	integer
Loc2GWNO	integer
Uppsala_Conflict_Data_Program_Conflict_ID	factor
Uppsala_Conflict_Data_Program_Peace_Agreement	numeric
Peace_Accord_Matrix_Agrmnt	integer
Correlates_War	integer
GCh	integer
GChRhet	integer
GChAntid	integer
GChSubs	integer
GChOth	integer
GDis	integer
GDisRhet	integer
GDisAntid	integer
GDisSubs	integer
GDisOth	integer
GAge	integer
GAgeRhet	integer
GAgeAntid	integer
GAgeSubs	integer
GAgeOth	integer
GMig	integer
GMigRhet	integer
GMigAntid	integer
GMigSubs	integer
GMigOth	integer
GRa	integer
GRaRhet	integer
GRaAntid	integer
GRaSubs	integer
GRaOth	integer
GRe	integer
GReRhet	integer
GReAntid	integer
GReSubs	integer
GReOth	integer
GInd	integer

```
# Hallo el número de columna de la variable GCh
which(colnames(peace)=="GCh")
```

[1] 26

```
# Corrijo los tipos de las variable de peace desde la columna 26

for (i in 26:ncol(peace)) {
  if (class(peace[,i]) == "integer") {
      peace[,i]<- as.factor(peace[,i])
  }
}
str(peace, list.len=ncol(peace))
```

```
## 'data.frame':    1789 obs. of  266 variables:
##  $ Country                                       : Factor w/ 169 levels "(Bougainville)/(United Natior
##  $ Conflict_type                                 : Factor w/ 5 levels "Government","Government/territc
##  $ Peace_Process_Number                          : int  2 2 2 2 2 2 2 2 2 2 ...
##  $ Peace Process_name                            : Factor w/ 152 levels "","Abkhazia peace process",.
##  $ Region                                        : Factor w/ 6 levels "Africa (excl MENA)",..: 5 5 5 5
##  $ Agreement_Id                                  : int  1739 1923 864 848 849 709 708 707 706 847 ...
##  $ Agreement_Name                                : Factor w/ 1753 levels "'Hudnaâ\200\231 (truce) of a
##  $ Date_Signed                                   : Factor w/ 1470 levels "1990-02-15","1990-03-01",..
##  $ Agreement_Definition_and_Status               : Factor w/ 4 levels "Agreement with subsequent statu
##  $ Agrmnt_length_pages                           : int  4 4 14 7 10 9 4 7 4 3 ...
##  $ Agrmnt_length_characters                      : int  10203 11110 39746 24106 21299 33137 9289 2707
##  $ Agrmnt_Conflict_Type                          : Factor w/ 4 levels "Inter","InterIntra",..: 3 3 2 2
##  $ Agreement_Stage                               : Factor w/ 7 levels "Cea","Imp","Oth",..: 7 2 2 4 2
##  $ Sub_stage                                     : Factor w/ 22 levels "","CeaMix","Ceas",..: 13 6 6 1
##  $ Parties                                       : Factor w/ 1683 levels "","'YATAMA' Atlantic Front c
##  $ Third_Party                                   : Factor w/ 851 levels "","'As witnesses': Cuban amba
##  $ Other_Agreement                               : Factor w/ 927 levels "","- 1 February 2008 agreemer
##  $ Loc1ISO                                       : Factor w/ 82 levels "","AFG","AGO",..: 2 2 2 2 2 2 2
##  $ Loc2ISO                                       : Factor w/ 30 levels "","ARM","ERI",..: 1 1 1 1 1 1 1
##  $ Loc1GWNO                                      : int  700 700 700 700 700 700 700 700 700 700 ...
##  $ Loc2GWNO                                      : int  NA NA NA NA NA NA NA NA NA NA ...
##  $ Uppsala_Conflict_Data_Program_Conflict_ID     : Factor w/ 111 levels "","11344","11345",..: 53 53 5
##  $ Uppsala_Conflict_Data_Program_Peace_Agreement : num  1488 NA NA NA NA ...
##  $ Peace_Accord_Matrix_Agrmnt                    : int  NA NA NA NA NA NA NA NA NA NA ...
##  $ Correlates_War                                : int  851 225 225 225 225 225 225 225 225 225 ...
##  $ GCh                                           : Factor w/ 4 levels "0","1","2","3": 1 3 2 2 1 3 2
##  $ GChRhet                                       : Factor w/ 2 levels "0","1": 1 2 2 2 1 1 2 1 1 1 .
##  $ GChAntid                                      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GChSubs                                       : Factor w/ 2 levels "0","1": 1 2 1 1 1 2 1 1 1 1 .
##  $ GChOth                                        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GDis                                          : Factor w/ 4 levels "0","1","2","3": 1 3 1 1 1 1 1
##  $ GDisRhet                                      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GDisAntid                                     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GDisSubs                                      : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 .
##  $ GDisOth                                       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GAge                                          : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ GAgeRhet                                      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
##  $ GAgeAntid                                     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 .
```

```
##  $ GAgeSubs    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GAgeOth     : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GMig        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 1 .
##  $ GMigRhet    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GMigAntid   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GMigSubs    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GMigOth     : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GRa         : Factor w/ 4 levels "0","1","2","3": 2 1 1 1 1 1 1 1 .
##  $ GRaRhet     : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ GRaAntid    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GRaSubs     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GRaOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GRe         : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 3 .
##  $ GReRhet     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ GReAntid    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GReSubs     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ GReOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GInd        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 .
##  $ GIndRhet    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GIndAntid   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GIndSubs    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GIndOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GOth        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 .
##  $ GOthRhet    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GOthAntid   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GOthSubs    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GOthOth     : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GRef        : Factor w/ 4 levels "0","1","2","3": 3 1 2 2 2 2 2 .
##  $ GRefRhet    : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 1 2 1 1 ..
##  $ GRefSubs    : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ GRefOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ GSoc        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 .
##  $ GSocRhet    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GSocAntid   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GSocSubs    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GSocOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GeWom       : Factor w/ 2 levels "0","1": 2 2 2 2 2 2 2 2 2 1 ..
##  $ GeMe        : Factor w/ 2 levels "0","1": 1 1 2 2 1 2 1 2 2 1 ..
##  $ GeMeNu      : Factor w/ 2 levels "0","1": 1 1 2 2 1 2 1 2 2 1 ..
##  $ GeMeOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GeSo        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ GeLgbti     : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GeLgbtiPos  : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GeLgbtiNeg  : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ GeFa        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StDef       : Factor w/ 2 levels "0","1": 2 1 2 2 2 2 1 2 2 2 ..
##  $ StGen       : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 1 2 2 2 ..
##  $ StCon       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StSd        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StRef       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StSym       : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ StInd       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StUni       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ StBor       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
```

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```
##  $ StXbor      : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 1 1 1 ..
##  $ Pol         : Factor w/ 4 levels "0","1","2","3": 2 2 1 1 1 1 1 1 1
##  $ PolGen      : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 2 1 ..
##  $ PolNewInd   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PolNewTemp  : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ..
##  $ ConRen      : Factor w/ 4 levels "0","1","2","3": 1 1 3 3 1 1 1 3
##  $ Cons        : Factor w/ 4 levels "0","1","2","3": 1 2 1 1 1 1 1 1
##  $ Ele         : Factor w/ 4 levels "0","1","2","3": 2 2 3 1 1 2 1 2
##  $ ElecComm    : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 2
##  $ PolPar      : Factor w/ 4 levels "0","1","2","3": 3 1 1 1 1 1 1 1
##  $ PolParTrans : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PolParOth   : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ Civso       : Factor w/ 2 levels "0","1": 1 1 2 2 1 2 2 2 2 1 ..
##  $ Tral        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ Pubad       : Factor w/ 4 levels "0","1","2","3": 1 3 1 2 1 3 1 2
##  $ Polps       : Factor w/ 4 levels "0","1","2","3": 1 4 1 1 1 1 2 1
##  $ PpsSt       : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 2 1 1 1 ..
##  $ PpsSub      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ PpsEx       : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ..
##  $ PpsOro      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PpsOthPr    : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ..
##  $ PpsVet      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PpsAut      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PpsInt      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ PpsOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ Terps       : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 1
##  $ TpsSub      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TpsLoc      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TpsAut      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TpsOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ Eps         : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 1
##  $ EpsRes      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ EpsFis      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ EpsOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ Mps         : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 1
##  $ MpsMe       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ MpsJt       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ MpsPro      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ MpsOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrGen       : Factor w/ 2 levels "0","1": 1 2 2 2 2 2 2 2 2 1 ..
##  $ EqGen       : Factor w/ 4 levels "0","1","2","3": 2 1 2 2 1 2 2 2
##  $ HrDem       : Factor w/ 4 levels "0","1","2","3": 1 1 3 3 2 1 1 2
##  $ Prot        : Factor w/ 4 levels "0","1","2","3": 1 1 2 2 1 3 1 2
##  $ ProtCiv     : Factor w/ 2 levels "0","1": 1 1 2 2 1 2 1 1 1 1 ..
##  $ ProtGrp     : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 1 1 1 ..
##  $ ProtLgl     : Factor w/ 2 levels "0","1": 1 1 2 1 1 2 1 1 1 1 ..
##  $ ProtOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrFra       : Factor w/ 4 levels "0","1","2","3": 1 1 4 1 1 2 1 2
##  $ HrfSp       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrfBor      : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 2 1 1 ..
##  $ HrfTinc     : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 1 1 1 ..
##  $ HrfOth      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrCp        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprLife     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
```

```
##  $ CprTort    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprEq      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprSlav    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprLib     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprDet     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprFmov    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprFspe    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprFass    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprTria    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprPriv    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprVote    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprReli    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CprOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrSec      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerProp    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerWork    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerHeal    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerEdu     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerStdl    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerShel    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerSs      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerCult    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ SerOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrNi       : Factor w/ 4 levels "0","1","2","3": 1 1 2 1 1 2 1 2
##  $ HrNiMe     : Factor w/ 2 levels "0","1": 1 1 2 1 1 2 1 2 1 1 ..
##  $ HrNiNe     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrNiOth    : Factor w/ 1 level "0": 1 1 1 1 1 1 1 1 1 1 ...
##  $ HrIi       : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1 1
##  $ HrIiMon    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrIiBod    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrIiOth    : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrMob      : Factor w/ 2 levels "0","1": 1 1 1 1 2 1 1 1 1 1 ..
##  $ HrDet      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ Med        : Factor w/ 4 levels "0","1","2","3": 1 1 2 1 2 1 2 2
##  $ MedGov     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ MedSubs    : Factor w/ 2 levels "0","1": 1 1 2 1 2 1 2 2 1 1 ..
##  $ MedLog     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ MedOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ HrCit      : Factor w/ 4 levels "0","1","2","3": 1 1 1 3 1 3 2 3
##  $ CitGen     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ CitRights  : Factor w/ 2 levels "0","1": 1 1 1 2 1 2 1 2 1 1 ..
##  $ CitDef     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CitOth     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ JusCr      : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 2 1 1 ..
##  $ JusCrSp    : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 1 1 1 ..
##  $ JusCrSys   : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 2 1 1 ..
##  $ JusCrPow   : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ JusEm      : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ JusJu      : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 1 2 1 ..
##  $ JusPri     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 2 1 1 ..
##  $ JusTra     : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ Dev        : Factor w/ 4 levels "0","1","2","3": 1 1 2 3 2 2 2 2
##  $ DevSoc     : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 2 2 2 2 ..
##  $ DevHum     : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 2 1 1 ..
```

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```
##  $ DevInfra              : Factor w/ 2 levels "0","1": 1 1 1 1 2 2 1 1 2 2 ..
##  $ NEC                   : Factor w/ 2 levels "0","1": 1 1 2 2 1 2 1 2 2 1 ..
##  $ NatRes                : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 1 2 2 1 ..
##  $ IntFu                 : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 2 2 2 2 ..
##  $ Bus                   : Factor w/ 4 levels "0","1","2","3": 1 1 2 2 2 2 1
##  $ Tax                   : Factor w/ 4 levels "0","1","2","3": 1 1 2 1 1 1 1
##  $ TaxPo                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TaxRef                : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 2 2 1 ..
##  $ TaxOth                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ Ban                   : Factor w/ 2 levels "0","1": 1 1 2 1 1 2 1 1 1 1 ..
##  $ CenBan                : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 1 1 1 ..
##  $ BanPers               : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 1 1 1 ..
##  $ BanInt                : Factor w/ 2 levels "0","1": 1 1 2 1 1 2 1 1 1 1 ..
##  $ BanXb                 : Factor w/ 2 levels "0","1": 1 1 2 1 1 1 1 1 1 1 ..
##  $ LaRef                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaRefMan              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaRefRet              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaRefOth              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaNom                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaCH                  : Factor w/ 2 levels "0","1": 1 1 2 1 2 1 1 1 1 1 ..
##  $ LaCHTa                : Factor w/ 2 levels "0","1": 1 1 1 1 2 1 1 1 1 1 ..
##  $ LaCHIt                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaCHPro               : Factor w/ 2 levels "0","1": 1 1 2 1 2 1 1 1 1 1 ..
##  $ LaCHOth               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ LaEn                  : Factor w/ 2 levels "0","1": 1 1 2 2 2 1 1 2 1 1 ..
##  $ Wat                   : Factor w/ 2 levels "0","1": 1 1 1 1 2 1 1 1 2 1 ..
##  $ SsrGua                : Factor w/ 2 levels "0","1": 1 1 2 2 2 2 2 2 2 2 ..
##  $ Ce                    : Factor w/ 4 levels "0","1","2","3": 2 1 1 1 1 1 1
##  $ CeProv                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ CeGen                 : Factor w/ 2 levels "0","1": 2 1 1 1 1 1 1 1 1 1 ..
##  $ SsrPol                : Factor w/ 4 levels "0","1","2","3": 1 1 2 2 1 2 1
##  $ SsrArm                : Factor w/ 4 levels "0","1","2","3": 1 1 2 2 1 4 2
##  $ SsrDdr                : Factor w/ 4 levels "0","1","2","3": 3 1 2 2 2 2 1
##  $ DdrDemil              : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ DdrProg               : Factor w/ 2 levels "0","1": 2 1 2 2 2 2 1 2 2 1 ..
##  $ SsrInt                : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ SsrPsf                : Factor w/ 2 levels "0","1": 2 1 1 1 1 2 2 2 1 1 ..
##  $ SsrFf                 : Factor w/ 2 levels "0","1": 2 1 2 2 1 1 1 1 1 1 ..
##  $ Cor                   : Factor w/ 4 levels "0","1","2","3": 1 2 3 2 3 3 2
##  $ SsrCrOcr              : Factor w/ 4 levels "0","1","2","3": 1 1 3 1 1 3 1
##  $ SsrDrugs              : Factor w/ 4 levels "0","1","2","3": 1 1 3 2 3 3 1
##  $ Terr                  : Factor w/ 2 levels "0","1": 2 1 2 2 2 2 2 2 2 2 ..
##  $ TjGen                 : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ TjAm                  : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 3
##  $ TjAmPro               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjSan                 : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 2 1 1 1 ..
##  $ TjPower               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjAmBan               : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjCou                 : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ TjJaNc                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjJaIc                : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjMech                : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ TjPrire               : Factor w/ 4 levels "0","1","2","3": 4 1 1 1 1 3 3
##  $ TjVet                 : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
```

```
##  $ TjVic                        : Factor w/ 4 levels "0","1","2","3": 1 1 2 1 1 2 1
##  $ TjMis                        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ TjRep                        : Factor w/ 4 levels "0","1","2","3": 1 1 1 1 1 1 1
##  $ TjRSym                       : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjRMa                        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ TjNR                         : Factor w/ 4 levels "0","1","2","3": 1 1 2 2 2 2 2
##  $ ImUN                         : Factor w/ 2 levels "0","1": 1 2 1 2 1 1 1 1 1 1 ..
##  $ ImOth                        : Factor w/ 2 levels "0","1": 1 2 1 1 1 1 1 1 1 1 ..
##  $ ImRef                        : Factor w/ 2 levels "0","1": 1 1 1 1 1 1 1 1 1 1 ..
##  $ ImPK                         : Factor w/ 2 levels "0","1": 1 1 1 1 1 2 1 2 2 1 ..
##  $ ImE                          : Factor w/ 2 levels "0","1": 2 1 2 1 1 2 1 1 1 1 ..
##  $ ImSrc                        : Factor w/ 2 levels "0","1": 2 2 2 2 2 2 2 2 2 2 ..
```

Vuelvo a mostrar la tabla con los objetos de R corregidos

```
# Muestro el tipo de cada variable formateado con kable
vartypes <- data.table(variable = colnames(peace), clase = sapply(peace, class))
kable(vartypes, caption = "Asignación de clase de objeto R a cada variable") %>%
  kable_styling("striped", full_width = T)
```

Compruebo que no hay valores nulos.

```
# Busco primero qué variables tienen valores perdidos
sapply(peace, function(x) sum(is.na(x)))
```

```
##                                Country
##                                      0
##                          Conflict_type
##                                      0
##                    Peace_Process_Number
##                                      7
##                     Peace Process_name
##                                      0
##                                 Region
##                                      0
##                           Agreement_Id
##                                      0
##                         Agreement_Name
##                                      0
##                            Date_Signed
##                                      0
##         Agreement_Definition_and_Status
##                                      0
##                     Agrmnt_length_pages
##                                      0
##                Agrmnt_length_characters
##                                      0
##                      Agrmnt_Conflict_Type
##                                      0
##                        Agreement_Stage
##                                      0
##                              Sub_stage
##                                      0
```

Table 3: Asignación de clase de objeto R a cada variable

variable	clase
Country	factor
Conflict_type	factor
Peace_Process_Number	integer
Peace Process_name	factor
Region	factor
Agreement_Id	integer
Agreement_Name	factor
Date_Signed	factor
Agreement_Definition_and_Status	factor
Agrmnt_length_pages	integer
Agrmnt_length_characters	integer
Agrmnt_Conflict_Type	factor
Agreement_Stage	factor
Sub_stage	factor
Parties	factor
Third_Party	factor
Other_Agreement	factor
Loc1ISO	factor
Loc2ISO	factor
Loc1GWNO	integer
Loc2GWNO	integer
Uppsala_Conflict_Data_Program_Conflict_ID	factor
Uppsala_Conflict_Data_Program_Peace_Agreement	numeric
Peace_Accord_Matrix_Agrmnt	integer
Correlates_War	integer
GCh	factor
GChRhet	factor
GChAntid	factor
GChSubs	factor
GChOth	factor
GDis	factor
GDisRhet	factor
GDisAntid	factor
GDisSubs	factor
GDisOth	factor
GAge	factor
GAgeRhet	factor
GAgeAntid	factor
GAgeSubs	factor
GAgeOth	factor
GMig	factor
GMigRhet	factor
GMigAntid	factor
GMigSubs	factor
GMigOth	factor
GRa	factor
GRaRhet	factor
GRaAntid	factor
GRaSubs	factor
GRaOth	factor
GRe	factor
GReRhet	factor
GReAntid	factor
GReSubs	factor
GReOth	factor
GInd	factor

```
##                                         Parties
##                                               0
##                                     Third_Party
##                                               0
##                                 Other_Agreement
##                                               0
##                                          Loc1ISO
##                                               0
##                                          Loc2ISO
##                                               0
##                                         Loc1GWNO
##                                              20
##                                         Loc2GWNO
##                                            1557
##       Uppsala_Conflict_Data_Program_Conflict_ID
##                                             107
## Uppsala_Conflict_Data_Program_Peace_Agreement
##                                            1492
##                        Peace_Accord_Matrix_Agrmnt
##                                            1756
##                                   Correlates_War
##                                             678
##                                              GCh
##                                               0
##                                          GChRhet
##                                               0
##                                         GChAntid
##                                               0
##                                          GChSubs
##                                               0
##                                           GChOth
##                                               0
##                                             GDis
##                                               0
##                                         GDisRhet
##                                               0
##                                        GDisAntid
##                                               0
##                                         GDisSubs
##                                               0
##                                          GDisOth
##                                               0
##                                             GAge
##                                               0
##                                         GAgeRhet
##                                               0
##                                        GAgeAntid
##                                               0
##                                         GAgeSubs
##                                               0
##                                          GAgeOth
##                                               0
##                                             GMig
##                                               0
```

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```
##                                      GMigRhet
##                                             0
##                                      GMigAntid
##                                             0
##                                      GMigSubs
##                                             0
##                                      GMigOth
##                                             0
##                                           GRa
##                                             0
##                                      GRaRhet
##                                             0
##                                      GRaAntid
##                                             0
##                                      GRaSubs
##                                             0
##                                      GRaOth
##                                             0
##                                           GRe
##                                             0
##                                      GReRhet
##                                             0
##                                      GReAntid
##                                             0
##                                      GReSubs
##                                             0
##                                      GReOth
##                                             0
##                                          GInd
##                                             0
##                                      GIndRhet
##                                             0
##                                      GIndAntid
##                                             0
##                                      GIndSubs
##                                             0
##                                      GIndOth
##                                             0
##                                          GOth
##                                             0
##                                      GOthRhet
##                                             0
##                                      GOthAntid
##                                             0
##                                      GOthSubs
##                                             0
##                                      GOthOth
##                                             0
##                                          GRef
##                                             0
##                                      GRefRhet
##                                             0
##                                      GRefSubs
##                                             0
```

```
##                                                  GRefOth
##                                                        0
##                                                     GSoc
##                                                        0
##                                                  GSocRhet
##                                                        0
##                                                 GSocAntid
##                                                        0
##                                                 GSocSubs
##                                                        0
##                                                   GSocOth
##                                                        0
##                                                    GeWom
##                                                        0
##                                                     GeMe
##                                                        0
##                                                   GeMeNu
##                                                        0
##                                                   GeMeOth
##                                                        0
##                                                     GeSo
##                                                        0
##                                                   GeLgbti
##                                                        0
##                                                GeLgbtiPos
##                                                        0
##                                                GeLgbtiNeg
##                                                        0
##                                                     GeFa
##                                                        0
##                                                    StDef
##                                                        0
##                                                    StGen
##                                                        0
##                                                    StCon
##                                                        0
##                                                     StSd
##                                                        0
##                                                    StRef
##                                                        0
##                                                    StSym
##                                                        0
##                                                    StInd
##                                                        0
##                                                    StUni
##                                                        0
##                                                    StBor
##                                                        0
##                                                   StXbor
##                                                        0
##                                                      Pol
##                                                        0
##                                                   PolGen
##                                                        0
```

```
##                                 PolNewInd
##                                         0
##                                PolNewTemp
##                                         0
##                                    ConRen
##                                         0
##                                      Cons
##                                         0
##                                       Ele
##                                         0
##                                  ElecComm
##                                         0
##                                    PolPar
##                                         0
##                               PolParTrans
##                                         0
##                                 PolParOth
##                                         0
##                                     Civso
##                                         0
##                                      Tral
##                                         0
##                                     Pubad
##                                         0
##                                     Polps
##                                         0
##                                     PpsSt
##                                         0
##                                    PpsSub
##                                         0
##                                     PpsEx
##                                         0
##                                    PpsOro
##                                         0
##                                  PpsOthPr
##                                         0
##                                    PpsVet
##                                         0
##                                    PpsAut
##                                         0
##                                    PpsInt
##                                         0
##                                    PpsOth
##                                         0
##                                     Terps
##                                         0
##                                    TpsSub
##                                         0
##                                    TpsLoc
##                                         0
##                                    TpsAut
##                                         0
##                                    TpsOth
##                                         0
```

```
##                                          Eps
##                                            0
##                                       EpsRes
##                                            0
##                                       EpsFis
##                                            0
##                                       EpsOth
##                                            0
##                                          Mps
##                                            0
##                                        MpsMe
##                                            0
##                                        MpsJt
##                                            0
##                                       MpsPro
##                                            0
##                                       MpsOth
##                                            0
##                                        HrGen
##                                            0
##                                        EqGen
##                                            0
##                                        HrDem
##                                            0
##                                         Prot
##                                            0
##                                      ProtCiv
##                                            0
##                                      ProtGrp
##                                            0
##                                      ProtLgl
##                                            0
##                                      ProtOth
##                                            0
##                                        HrFra
##                                            0
##                                        HrfSp
##                                            0
##                                       HrfBor
##                                            0
##                                      HrfTinc
##                                            0
##                                       HrfOth
##                                            0
##                                         HrCp
##                                            0
##                                      CprLife
##                                            0
##                                      CprTort
##                                            0
##                                        CprEq
##                                            0
##                                      CprSlav
##                                            0
```

```
##                                    CprLib
##                                         0
##                                    CprDet
##                                         0
##                                   CprFmov
##                                         0
##                                   CprFspe
##                                         0
##                                   CprFass
##                                         0
##                                   CprTria
##                                         0
##                                   CprPriv
##                                         0
##                                   CprVote
##                                         0
##                                   CprReli
##                                         0
##                                    CprOth
##                                         0
##                                     HrSec
##                                         0
##                                   SerProp
##                                         0
##                                   SerWork
##                                         0
##                                   SerHeal
##                                         0
##                                    SerEdu
##                                         0
##                                   SerStdl
##                                         0
##                                   SerShel
##                                         0
##                                     SerSs
##                                         0
##                                   SerCult
##                                         0
##                                    SerOth
##                                         0
##                                      HrNi
##                                         0
##                                    HrNiMe
##                                         0
##                                    HrNiNe
##                                         0
##                                   HrNiOth
##                                         0
##                                      HrIi
##                                         0
##                                    HrIiMon
##                                         0
##                                    HrIiBod
##                                         0
```

```
##                                         HrIiOth
##                                               0
##                                           HrMob
##                                               0
##                                           HrDet
##                                               0
##                                             Med
##                                               0
##                                          MedGov
##                                               0
##                                         MedSubs
##                                               0
##                                          MedLog
##                                               0
##                                          MedOth
##                                               0
##                                           HrCit
##                                               0
##                                          CitGen
##                                               0
##                                       CitRights
##                                               0
##                                          CitDef
##                                               0
##                                          CitOth
##                                               0
##                                           JusCr
##                                               0
##                                         JusCrSp
##                                               0
##                                        JusCrSys
##                                               0
##                                        JusCrPow
##                                               0
##                                           JusEm
##                                               0
##                                           JusJu
##                                               0
##                                          JusPri
##                                               0
##                                          JusTra
##                                               0
##                                             Dev
##                                               0
##                                          DevSoc
##                                               0
##                                          DevHum
##                                               0
##                                        DevInfra
##                                               0
##                                             NEC
##                                               0
##                                          NatRes
##                                               0
```

```
##                                    IntFu
##                                        0
##                                      Bus
##                                        0
##                                      Tax
##                                        0
##                                    TaxPo
##                                        0
##                                   TaxRef
##                                        0
##                                   TaxOth
##                                        0
##                                      Ban
##                                        0
##                                   CenBan
##                                        0
##                                  BanPers
##                                        0
##                                   BanInt
##                                        0
##                                    BanXb
##                                        0
##                                    LaRef
##                                        0
##                                 LaRefMan
##                                        0
##                                 LaRefRet
##                                        0
##                                 LaRefOth
##                                        0
##                                    LaNom
##                                        0
##                                     LaCH
##                                        0
##                                   LaCHTa
##                                        0
##                                   LaCHIt
##                                        0
##                                  LaCHPro
##                                        0
##                                  LaCHOth
##                                        0
##                                     LaEn
##                                        0
##                                      Wat
##                                        0
##                                   SsrGua
##                                        0
##                                       Ce
##                                        0
##                                   CeProv
##                                        0
##                                    CeGen
##                                        0
```

```
##                                SsrPol
##                                     0
##                                SsrArm
##                                     0
##                                SsrDdr
##                                     0
##                              DdrDemil
##                                     0
##                               DdrProg
##                                     0
##                                SsrInt
##                                     0
##                                SsrPsf
##                                     0
##                                 SsrFf
##                                     0
##                                   Cor
##                                     0
##                              SsrCrOcr
##                                     0
##                              SsrDrugs
##                                     0
##                                  Terr
##                                     0
##                                 TjGen
##                                     0
##                                  TjAm
##                                     0
##                               TjAmPro
##                                     0
##                                 TjSan
##                                     0
##                               TjPower
##                                     0
##                               TjAmBan
##                                     0
##                                 TjCou
##                                     0
##                                TjJaNc
##                                     0
##                                TjJaIc
##                                     0
##                                TjMech
##                                     0
##                               TjPrire
##                                     0
##                                 TjVet
##                                     0
##                                 TjVic
##                                     0
##                                 TjMis
##                                     0
##                                 TjRep
##                                     0
```

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```
##                                         TjRSym
##                                              0
##                                         TjRMa
##                                              0
##                                          TjNR
##                                              0
##                                          ImUN
##                                              0
##                                         ImOth
##                                              0
##                                         ImRef
##                                              0
##                                          ImPK
##                                              0
##                                           ImE
##                                              0
##                                         ImSrc
##                                              0
```

2.2 Análisis descriptivo visual

Represento gráficamente las variables del conjunto de datos para poder visualizar la distribución de valores de las variables.

Para las variables categóricas o cualitativas elijo un boxplot, para las cuantitativas un histograma.

```r
# Muestro un histograma para cada variable cuantitativa o un gráfico de barras en caso de que
# sea una variable cualitativa.
for (i in 1:ncol(peace)) {
  if (class(peace[,i]) != "factor") {
    hist(peace[,i], freq = TRUE, col = c("green"),
         main=paste("Distribución de ",
                    str_to_title(str_replace(colnames(peace[i]), "_", " ")), sep = " "),
         xlab= str_to_title(str_replace(colnames(peace[i]), "_", " ")))
  }
  else {
    barplot(table(peace[,i]),
            col = c("orange","yellow","blue","red"),
            main=paste("Distribución de ",
                       str_to_title(str_replace(colnames(peace[i]), "_", " ")), sep = " "),
            xlab= str_to_title(str_replace(colnames(peace[i]), "_", " ")))
  }
}
```

Distribución de Country

Country

Distribución de Conflict Type

Distribución de Peace Process_number

Peace Process_number

Distribución de Peace Process Name

Colombia I – Gaviria   Kosovo process   Sudan: Local Peace Processe
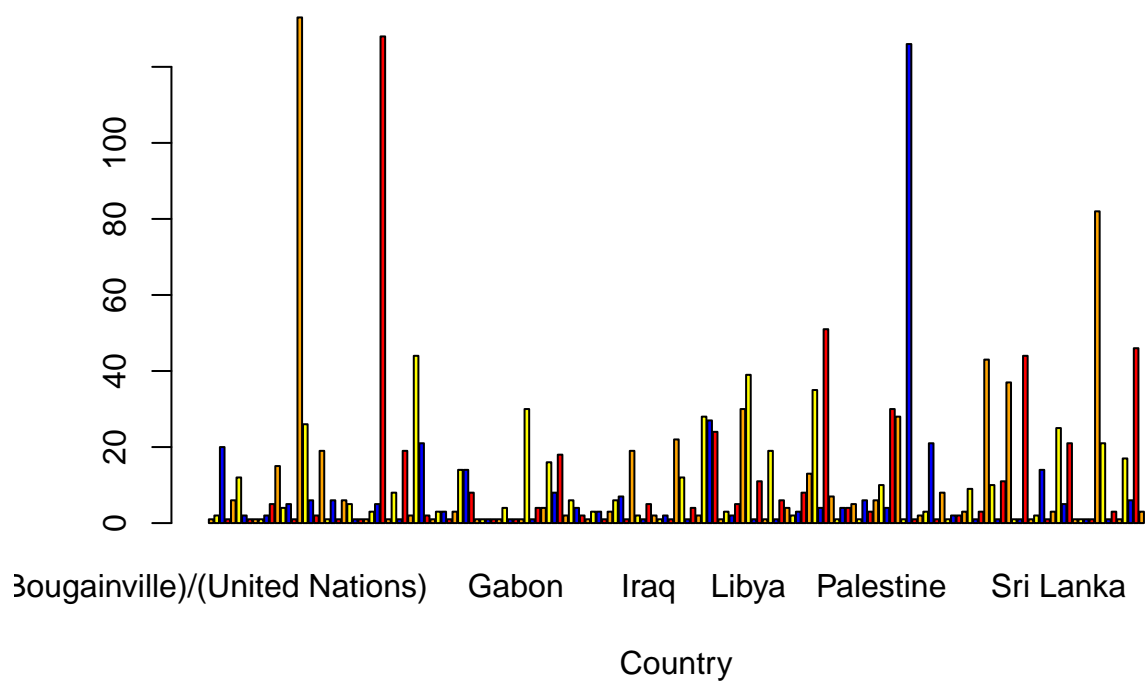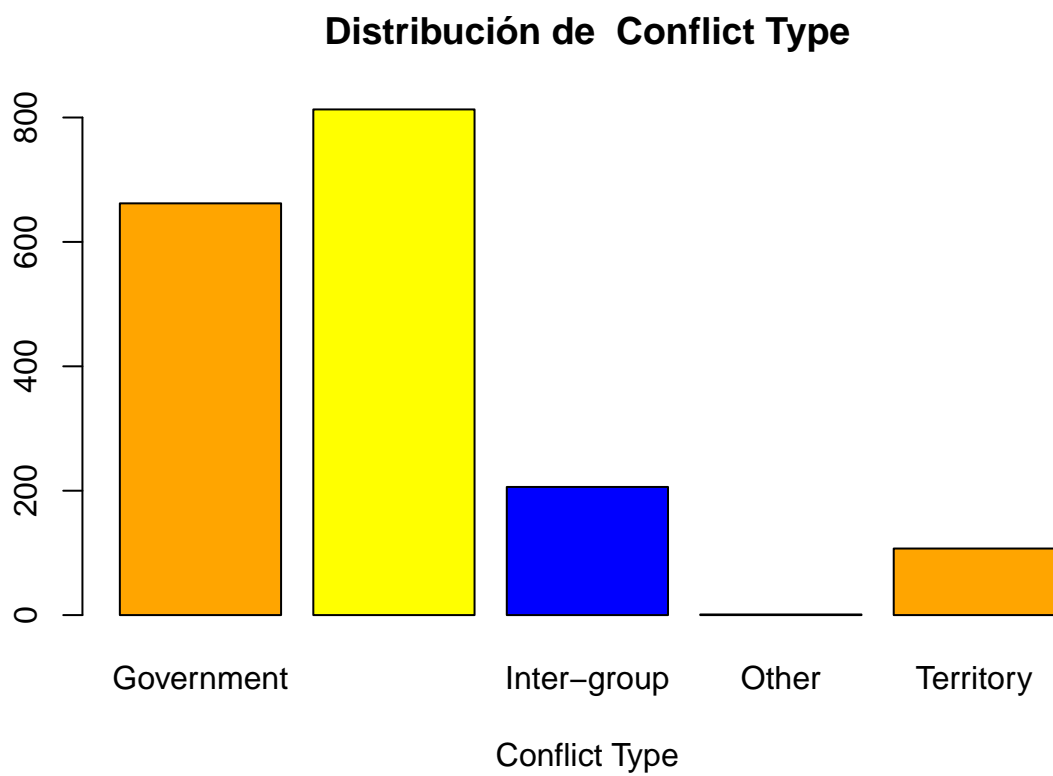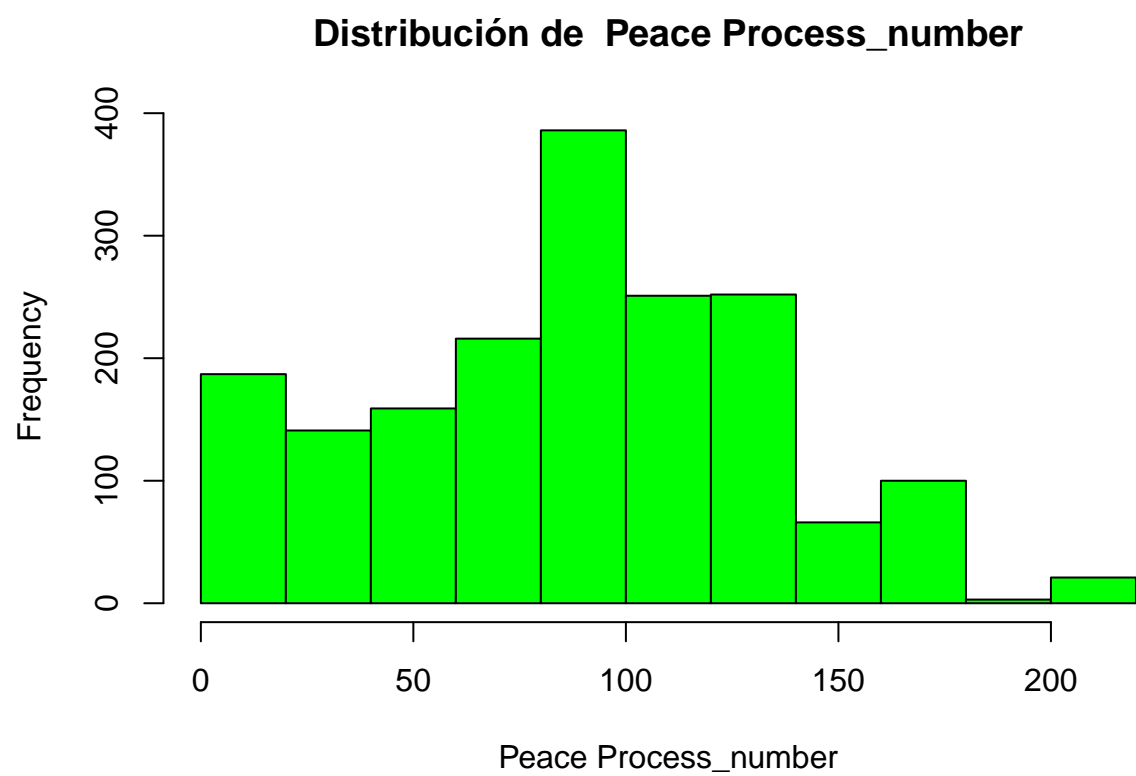
Peace Process Name
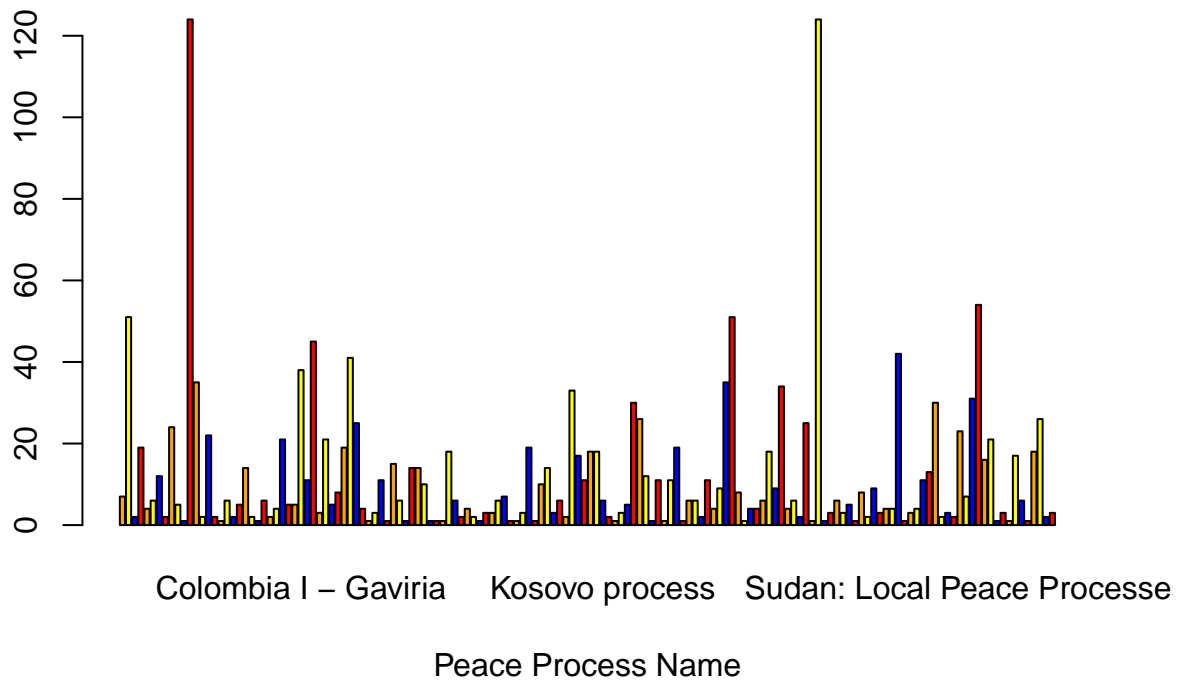
Distribución de Region

Region
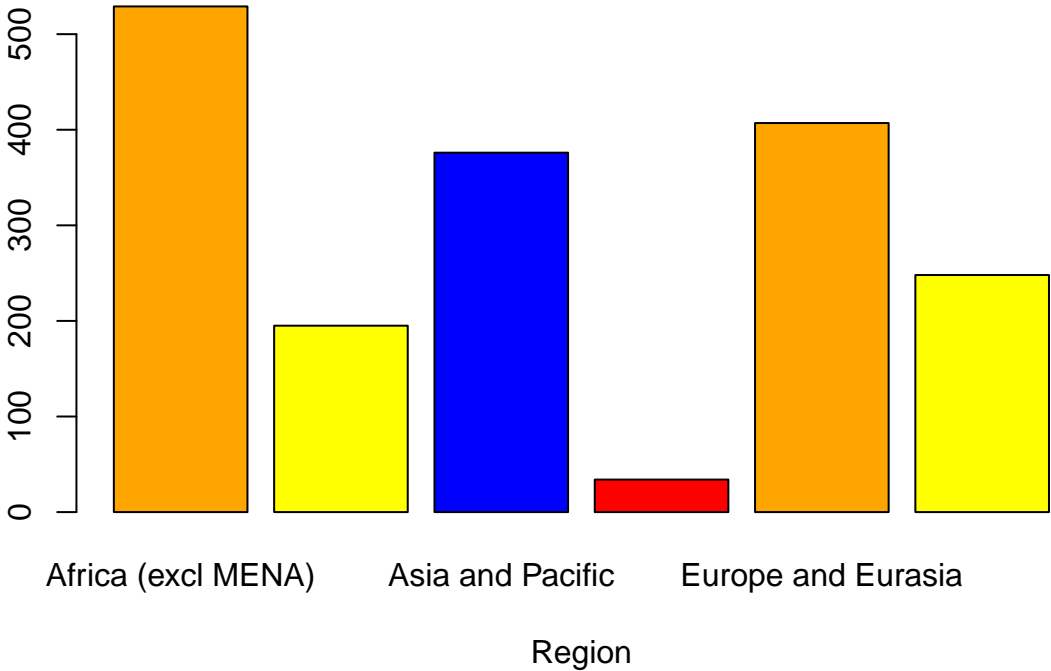
Distribución de Agreement Id


```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

Distribución de Agreement Name

e) of al–Zabadani, Kefriyya and al–Fuâ€™aa   Justice   Statement
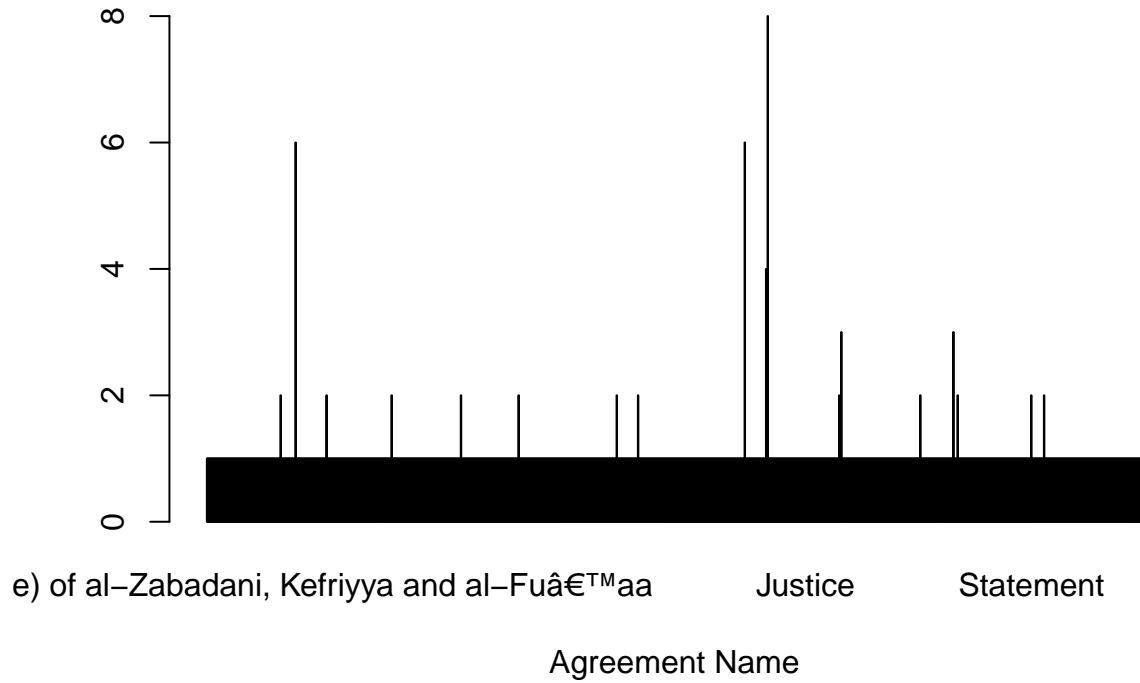
Agreement Name

Distribución de Date Signed

Date Signed
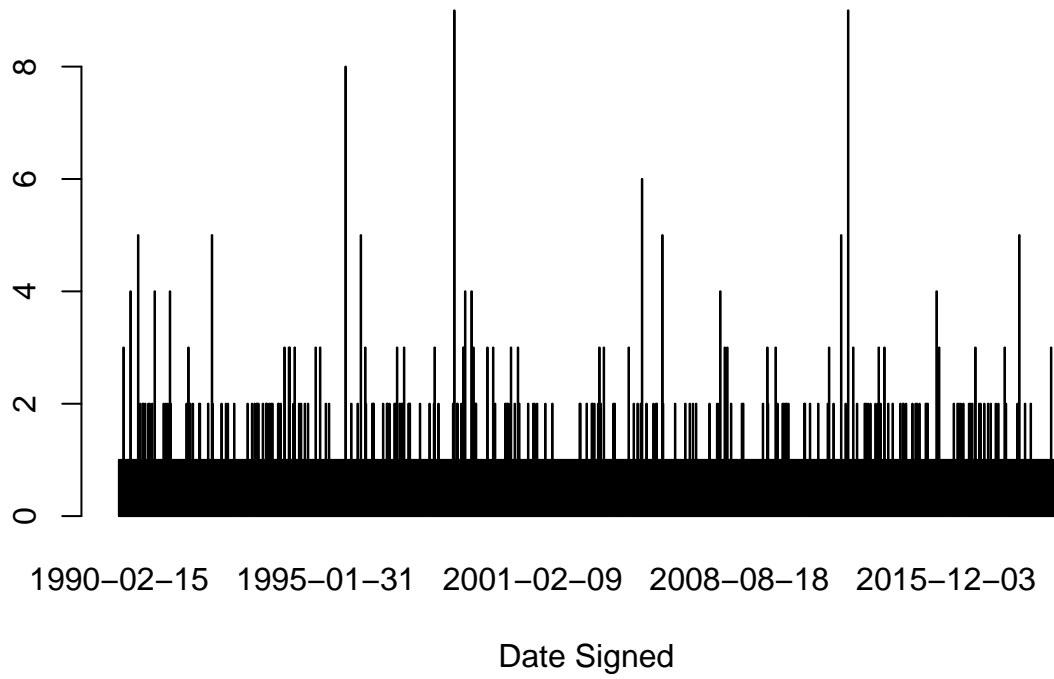
Distribución de Agreement Definition_and_status

Agreement Definition_and_status
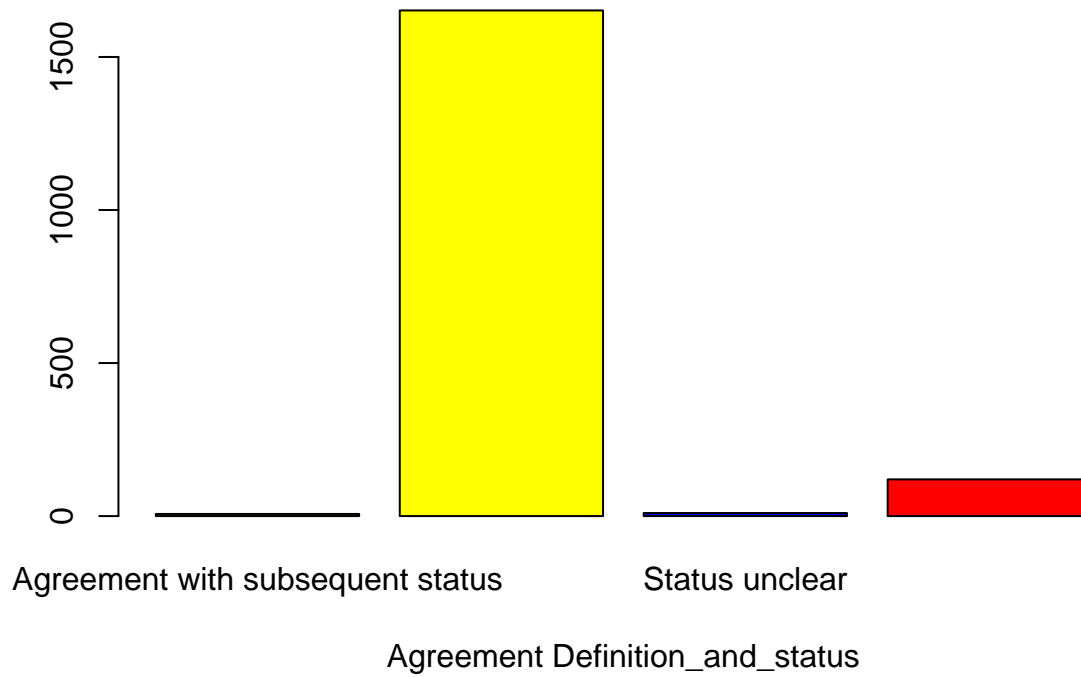
Distribución de Agrmnt Length_pages

Distribución de Agrmnt Length_characters
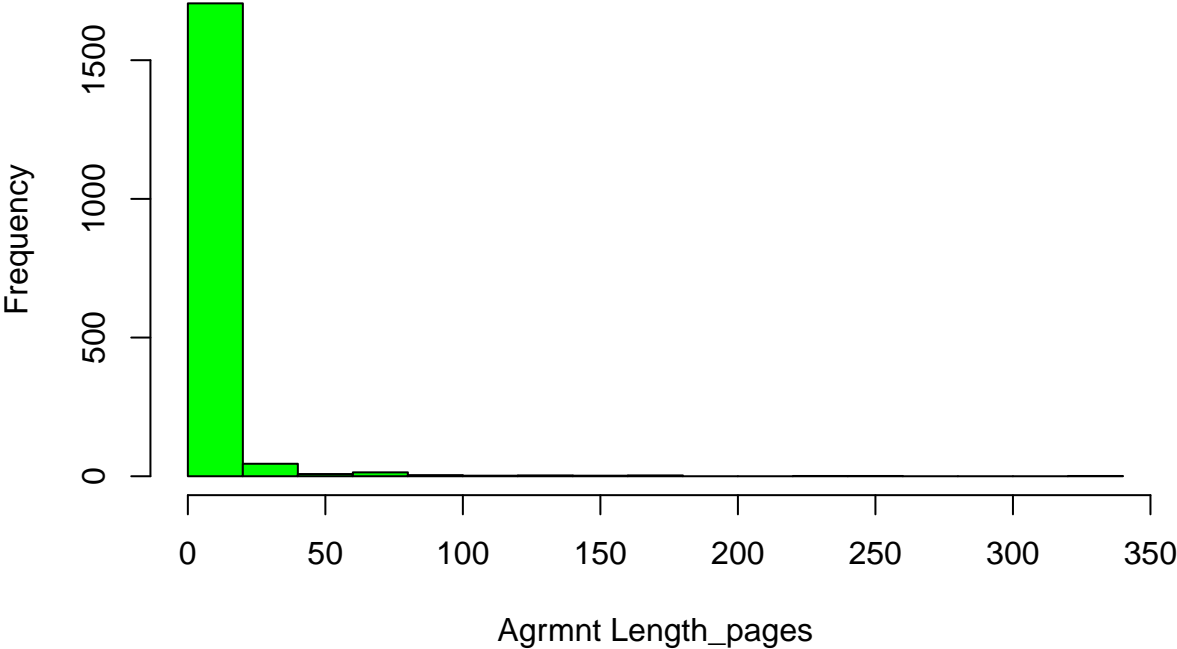
Agrmnt Length_characters
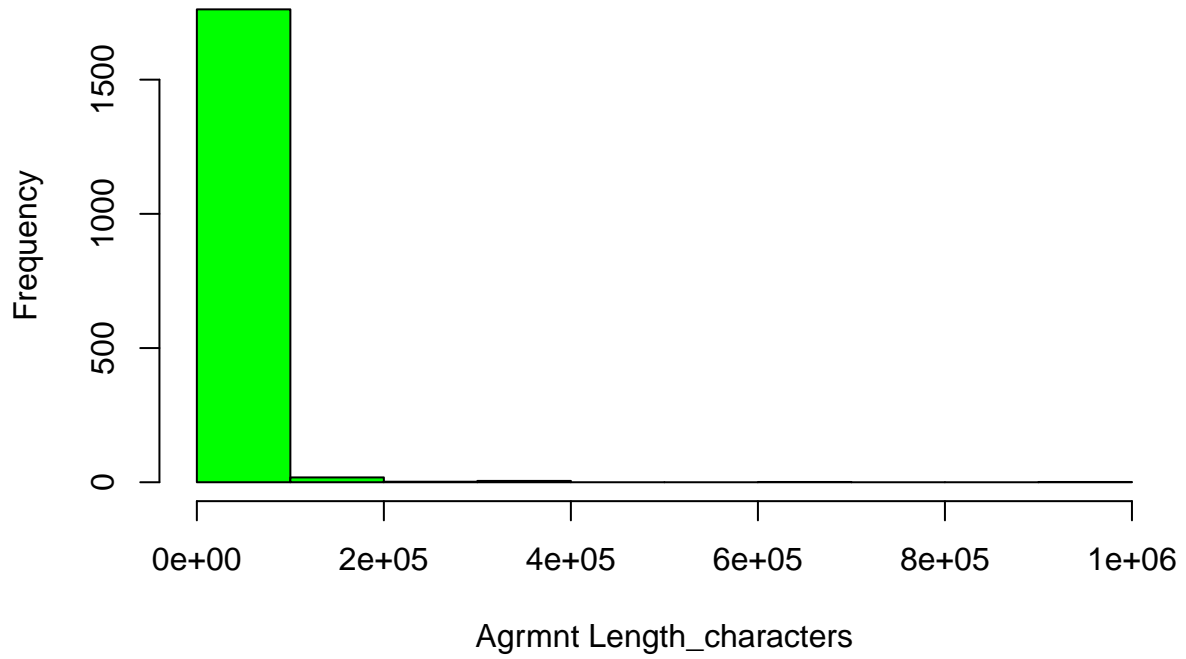
Distribución de Agrmnt Conflict_type

Agrmnt Conflict_type

Distribución de Agreement Stage

Agreement Stage
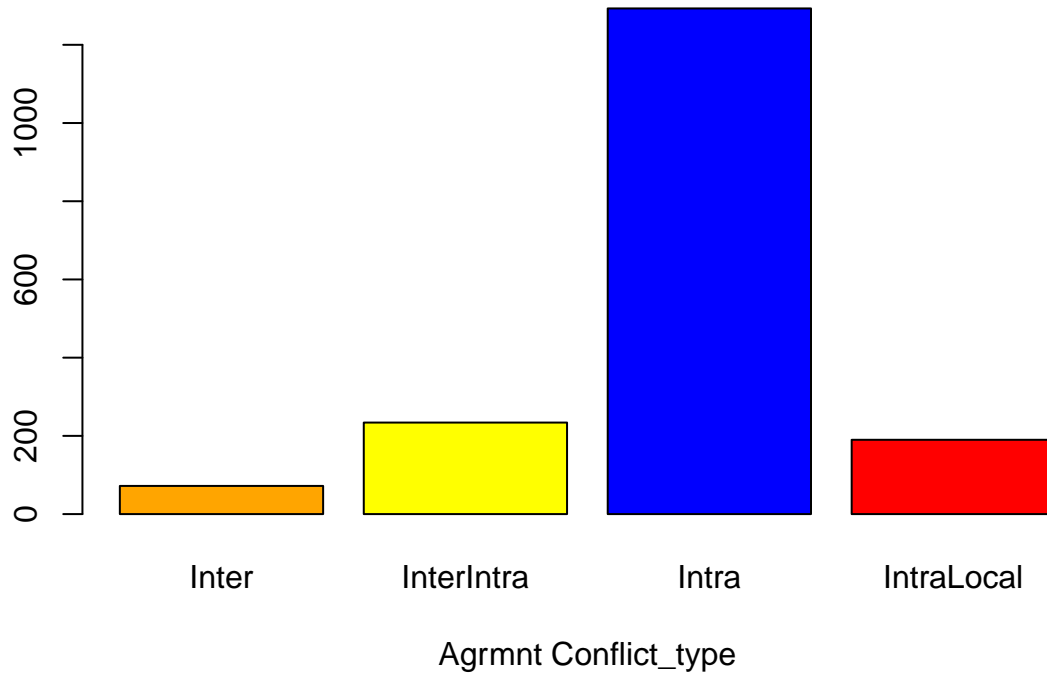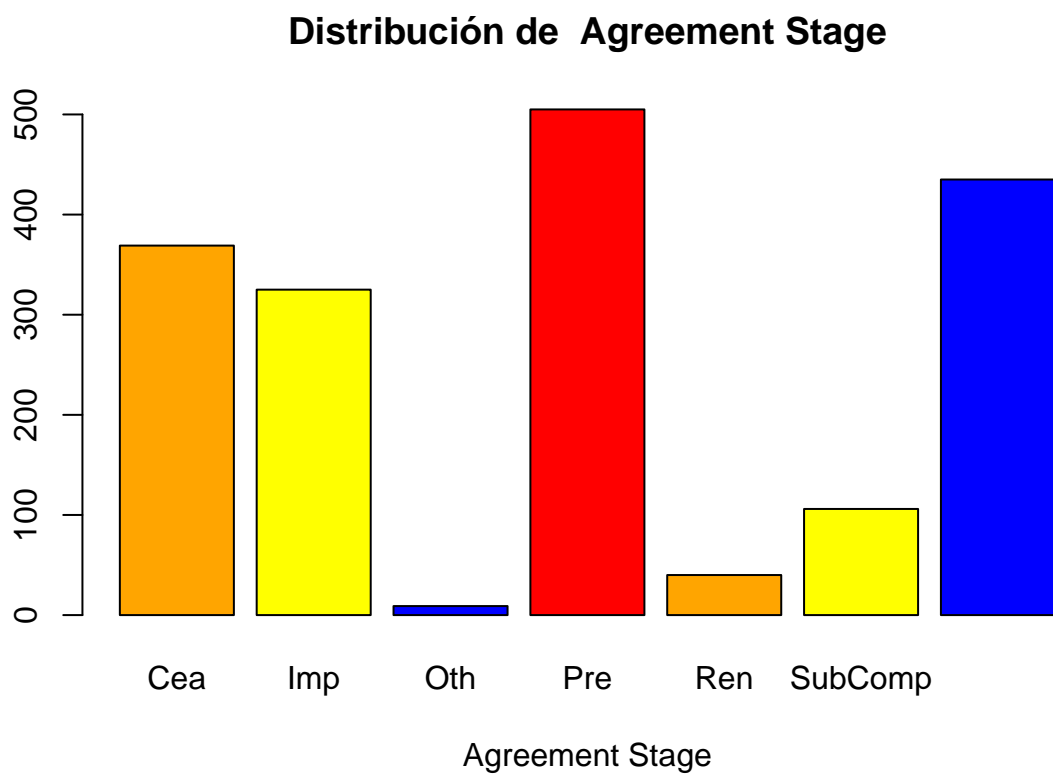
Distribución de Sub Stage

Sub Stage

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8f

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8f

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1f

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

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## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

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## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty =
```

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## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

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## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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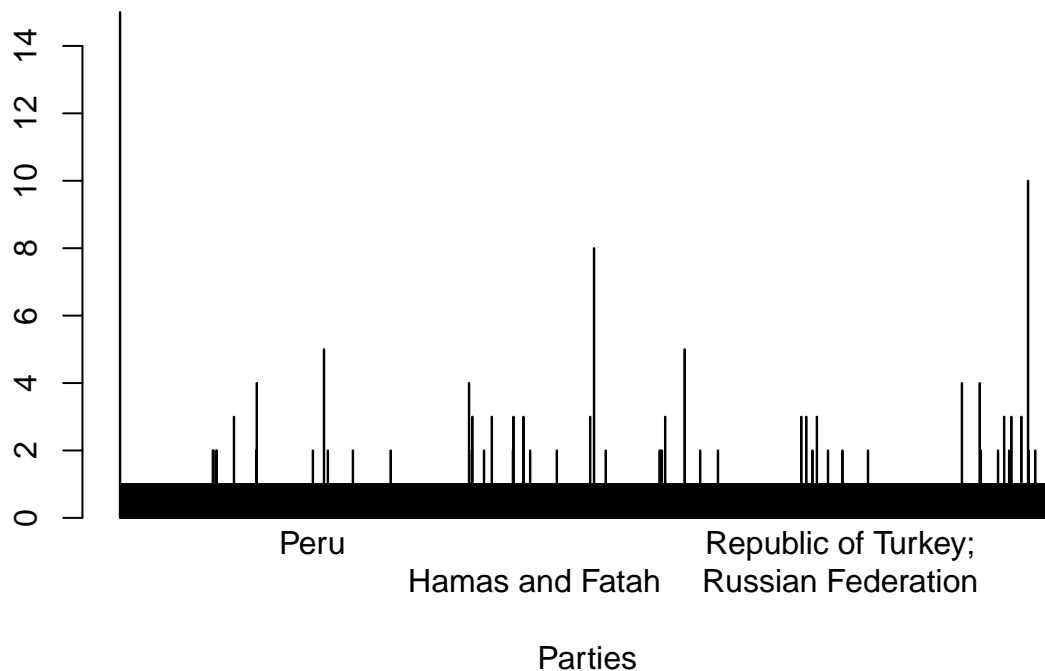
```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d
```
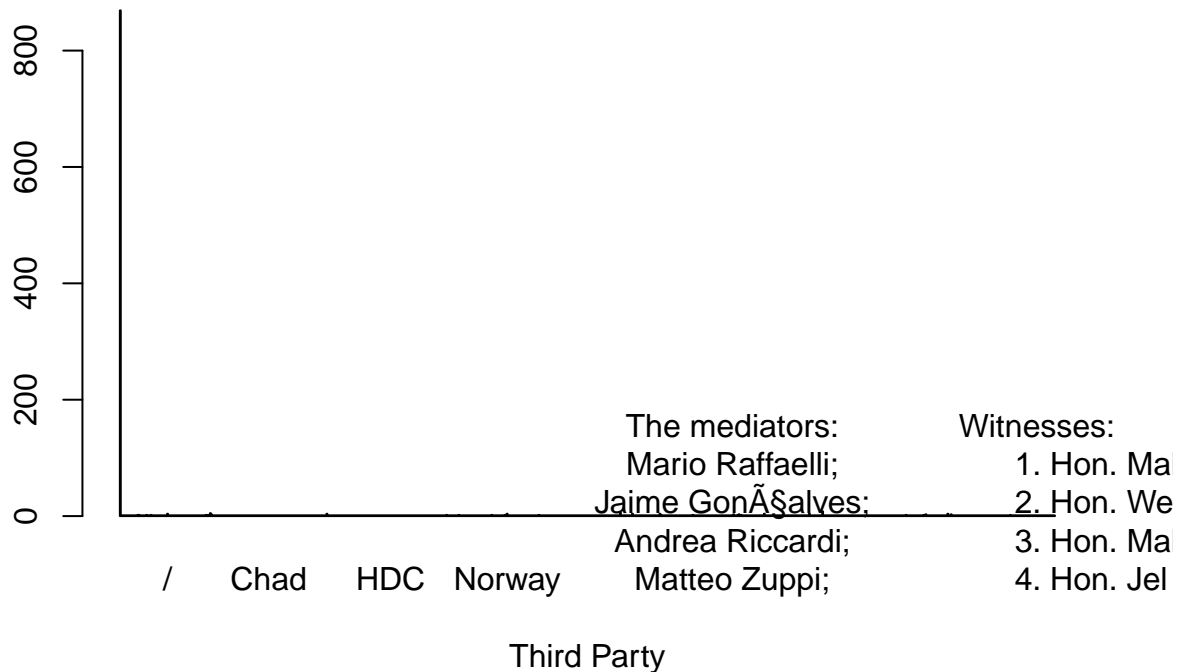
```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```
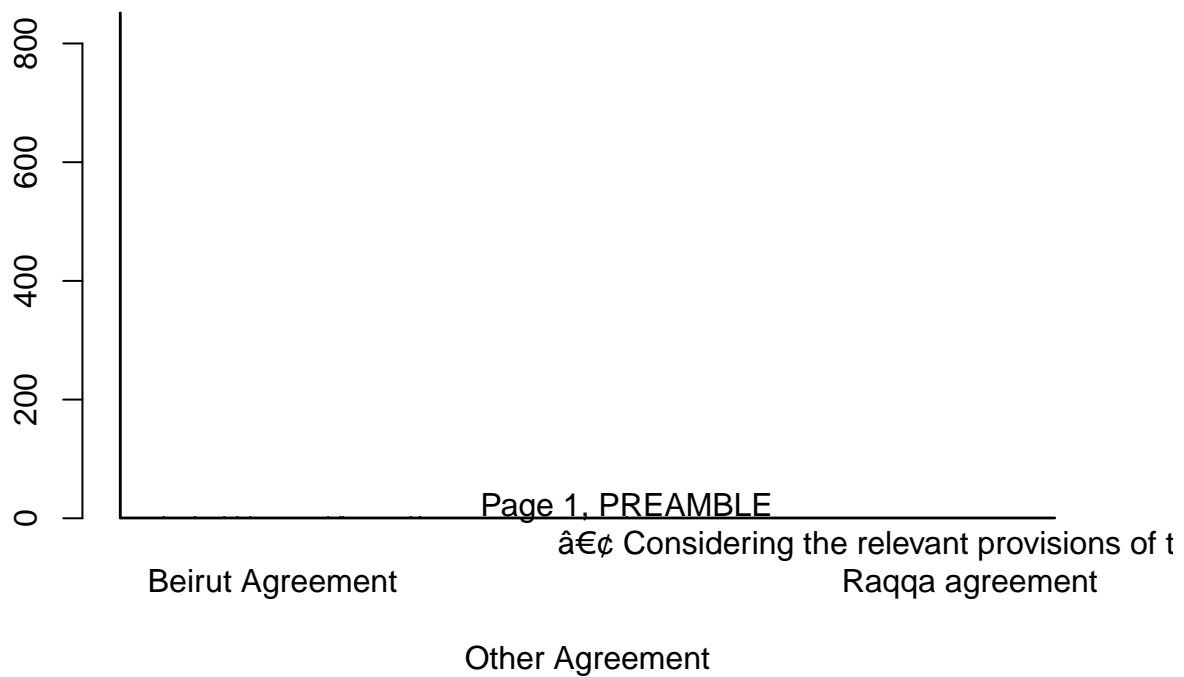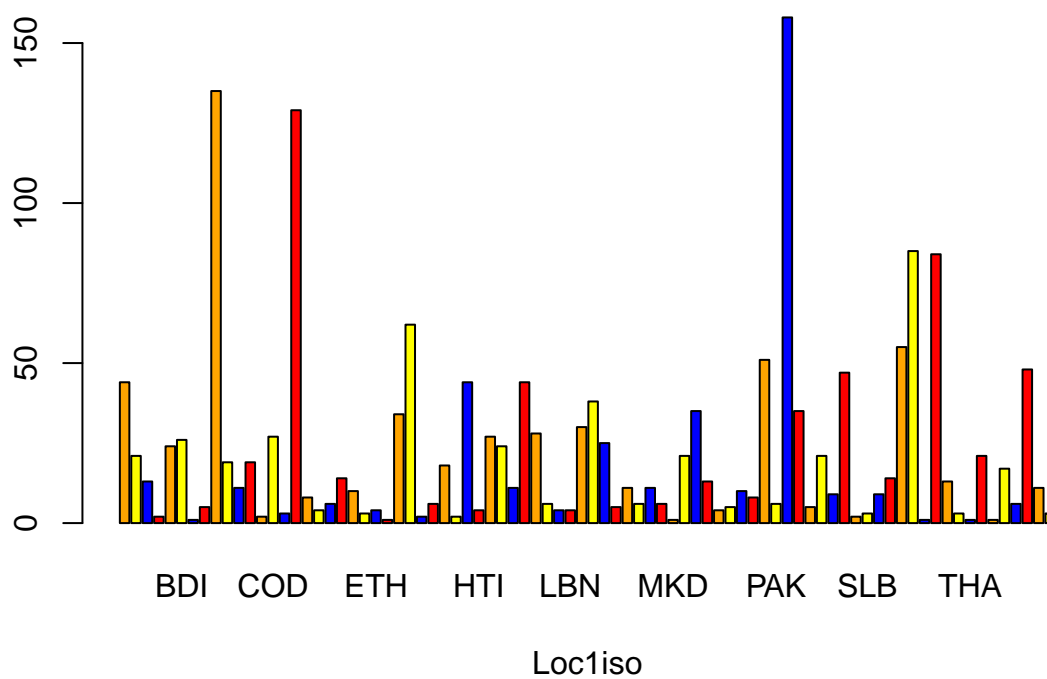
```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```
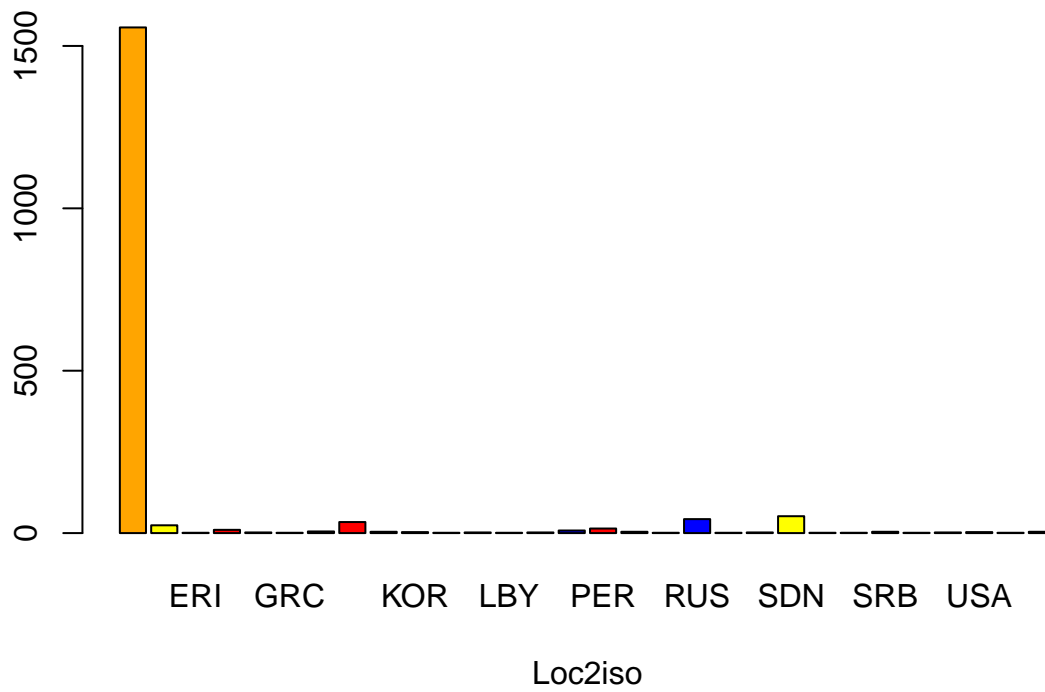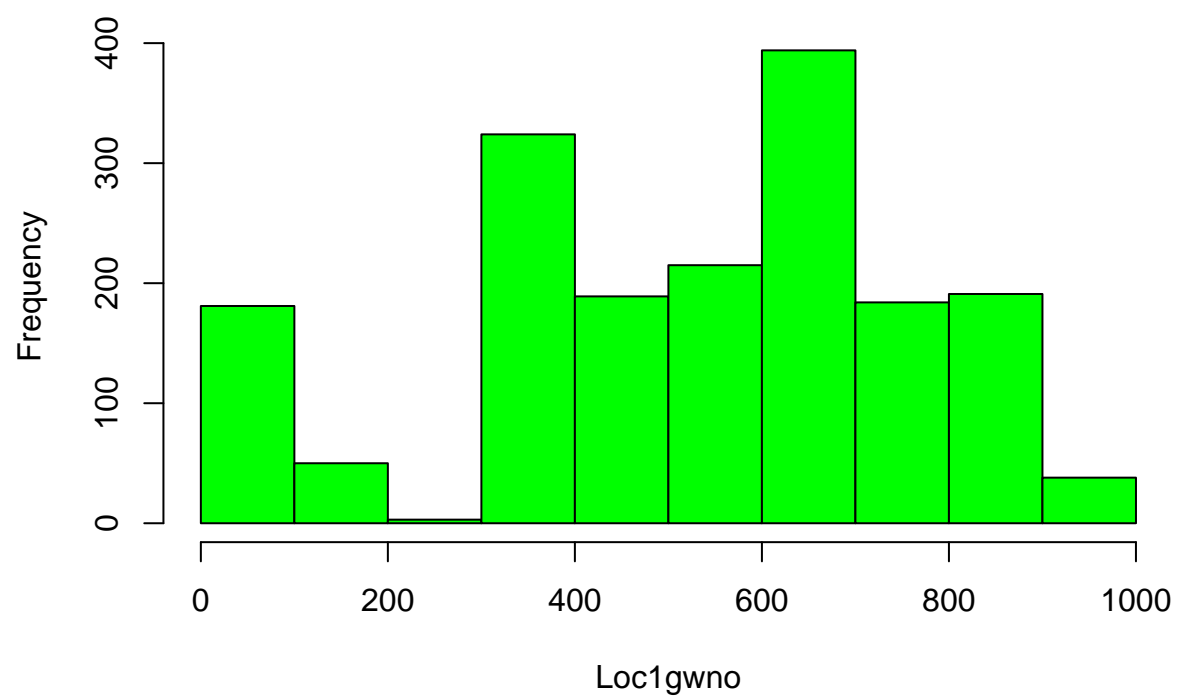
```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d
```

Distribución de Parties

Parties

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x15

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x8d
```

Distribución de Third Party

The mediators: Witnesses:
Mario Raffaelli;   1. Hon. Ma
Jaime GonÃ§alves;   2. Hon. We
Andrea Riccardi;   3. Hon. Ma
/   Chad   HDC   Norway   Matteo Zuppi;   4. Hon. Jel

Third Party

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
```

```
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x1f

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x81

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x90

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9
```

```
## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x4

## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d

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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
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## axis.lty, : font width unknown for character 0x4
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## Warning in axis(if (horiz) 2 else 1, at = at.l, labels = names.arg, lty =
## axis.lty, : font width unknown for character 0x9d
```

Distribución de Other Agreement

Page 1, PREAMBLE

â€¢ Considering the relevant provisions of t

Beirut Agreement   Raqqa agreement

Other Agreement

Distribución de Loc1iso

Loc1iso

Distribución de Loc2iso

ERI GRC KOR LBY PER RUS SDN SRB USA

Loc2iso

Distribución de Loc1gwno

Distribución de Loc2gwno

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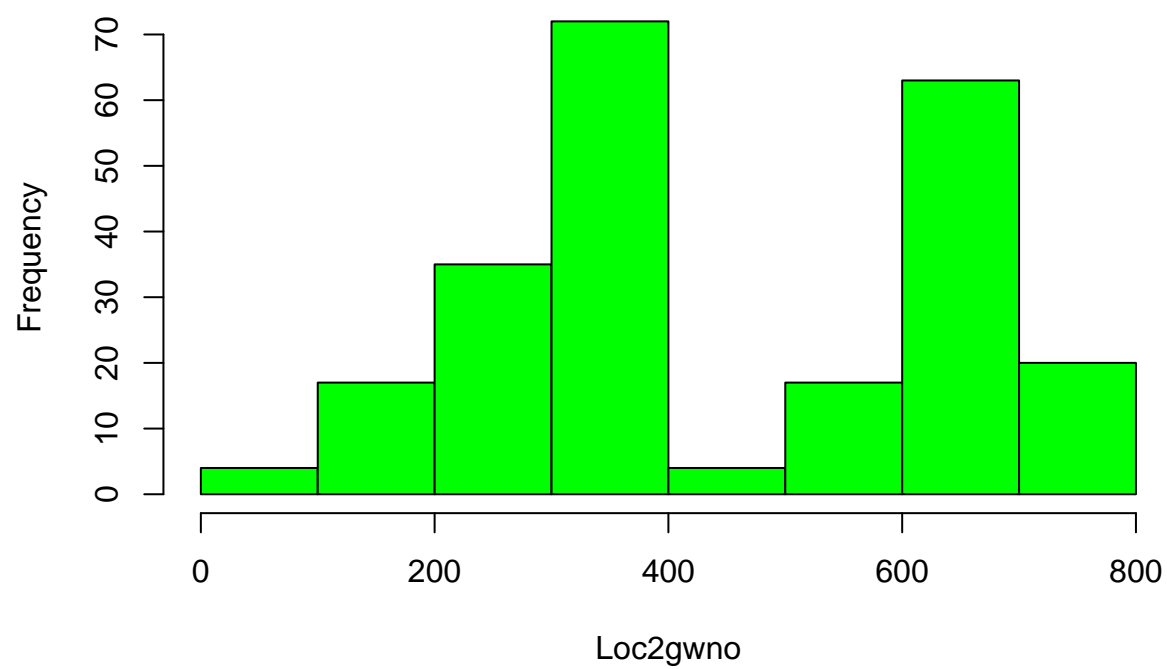
Uppsala Conflict_data_program_conflict_id

Distribución de Uppsala Conflict_data_program_peace_agreement
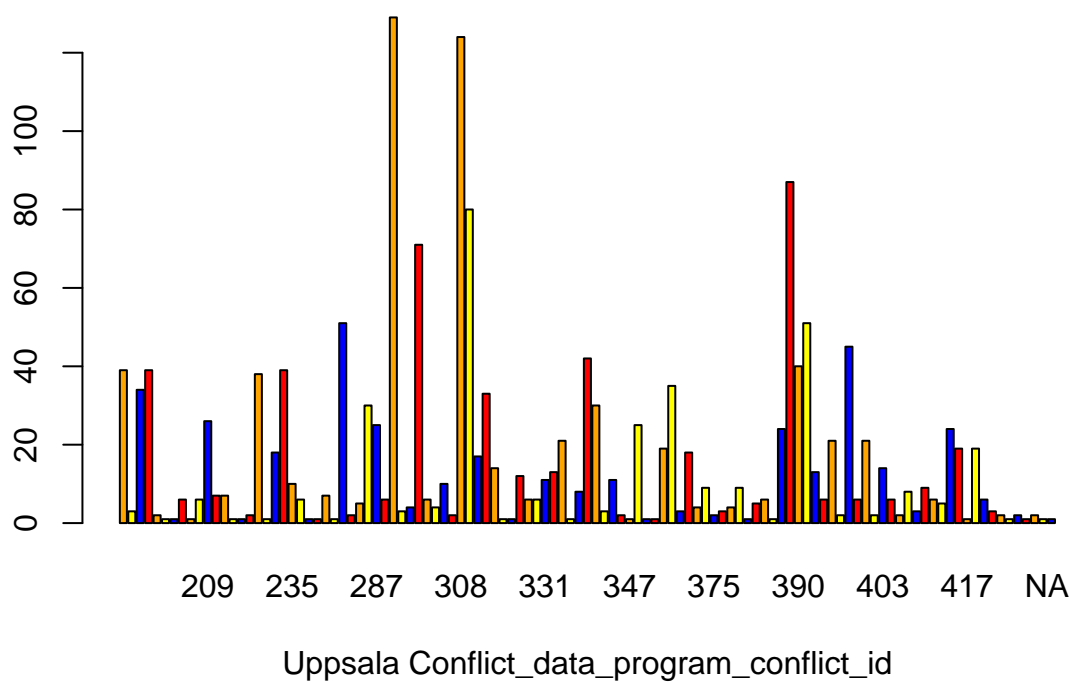
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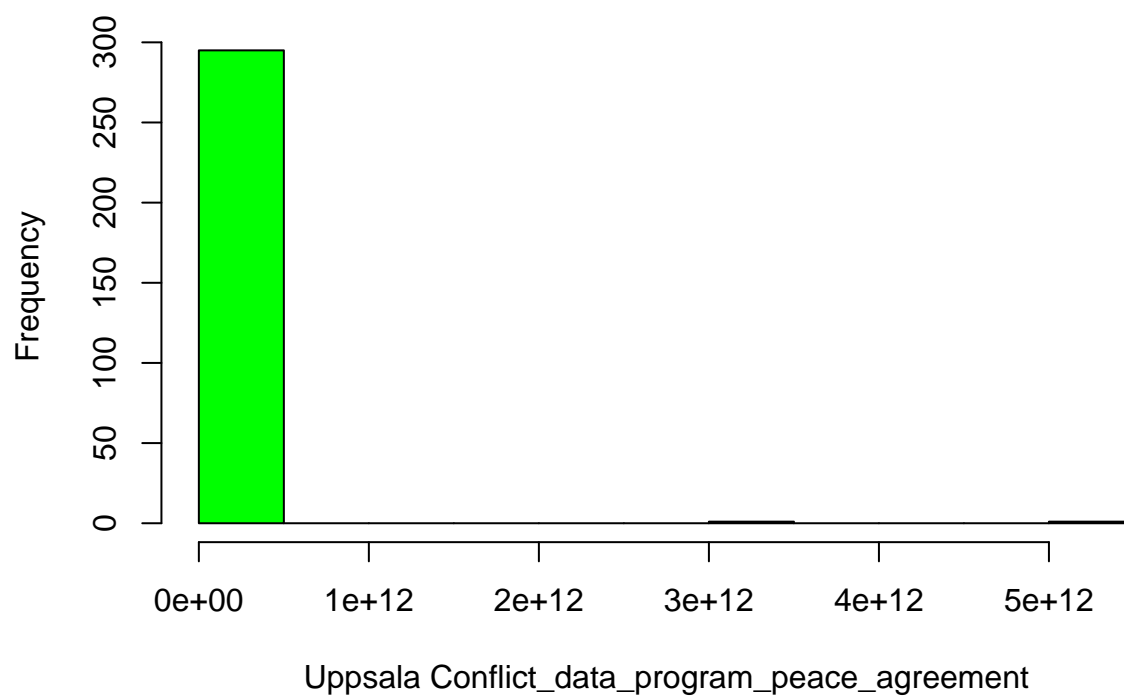
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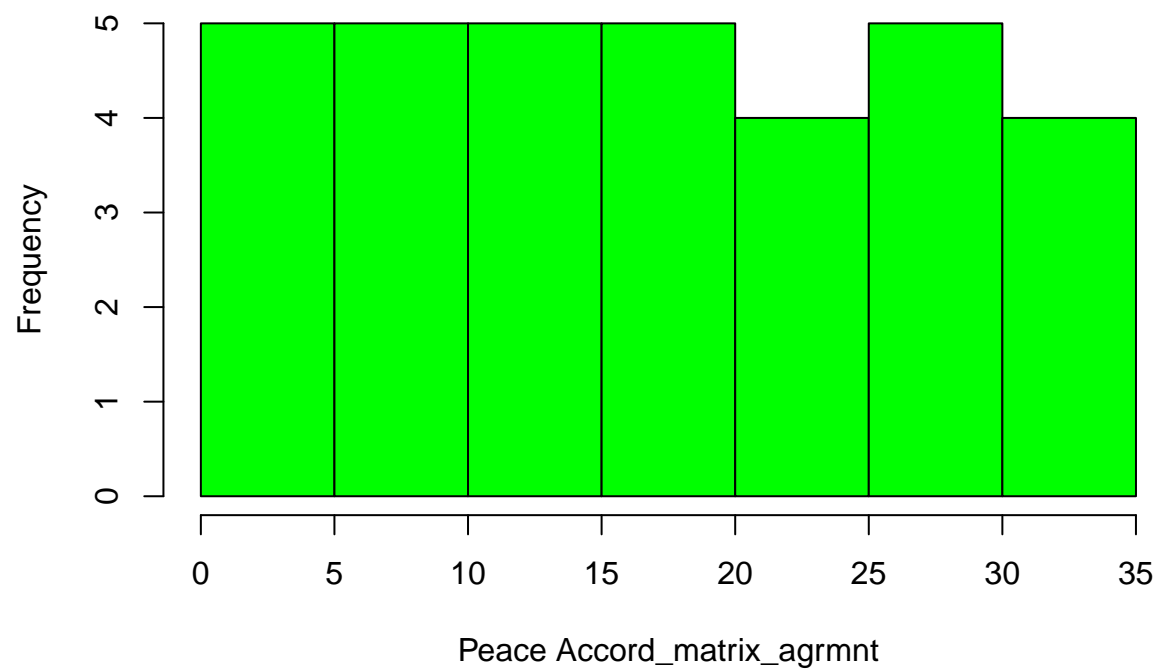
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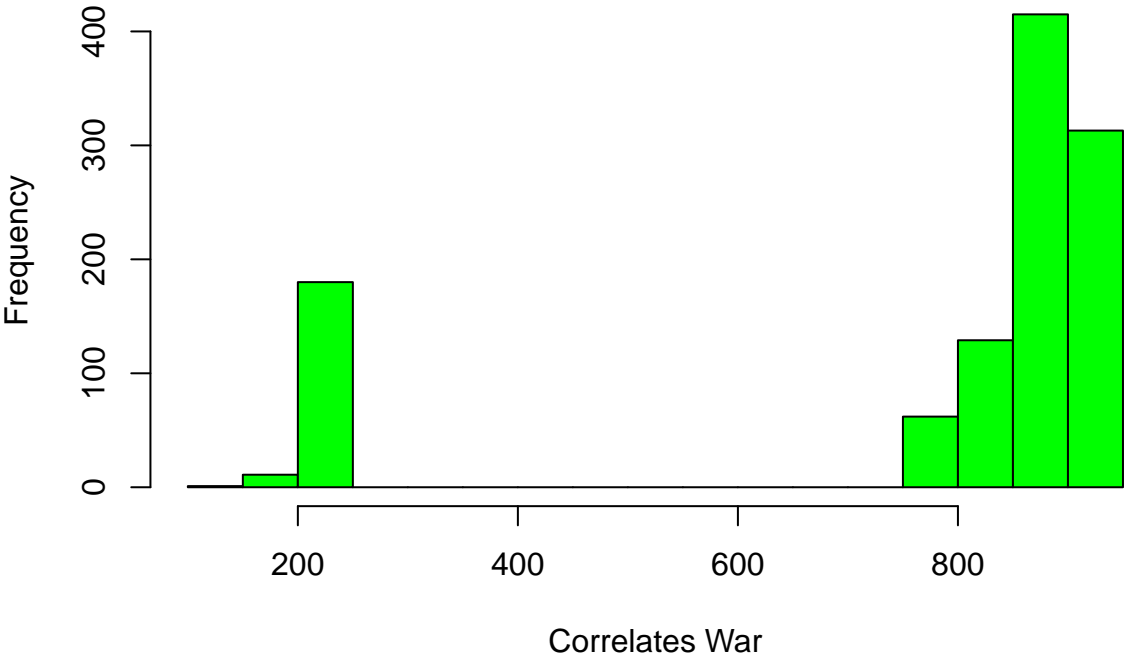
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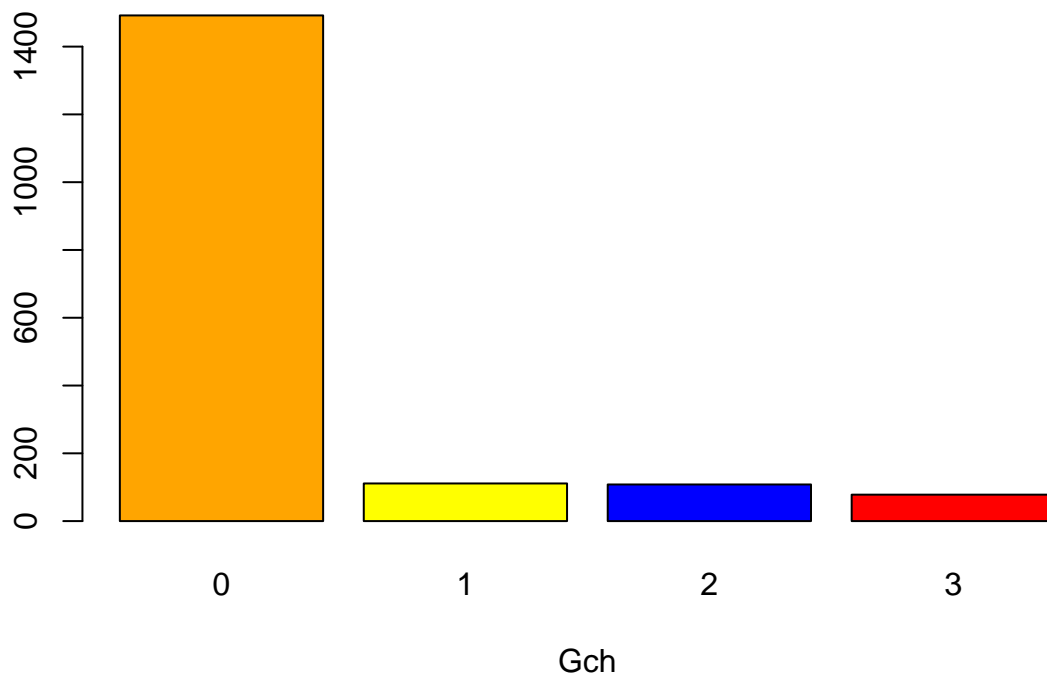
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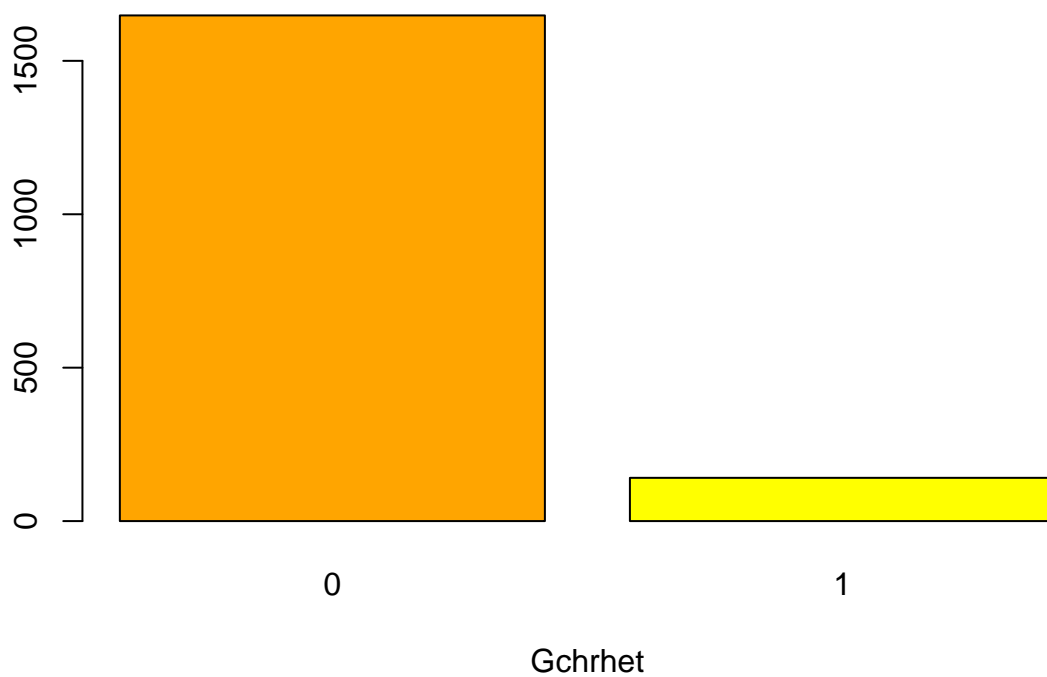
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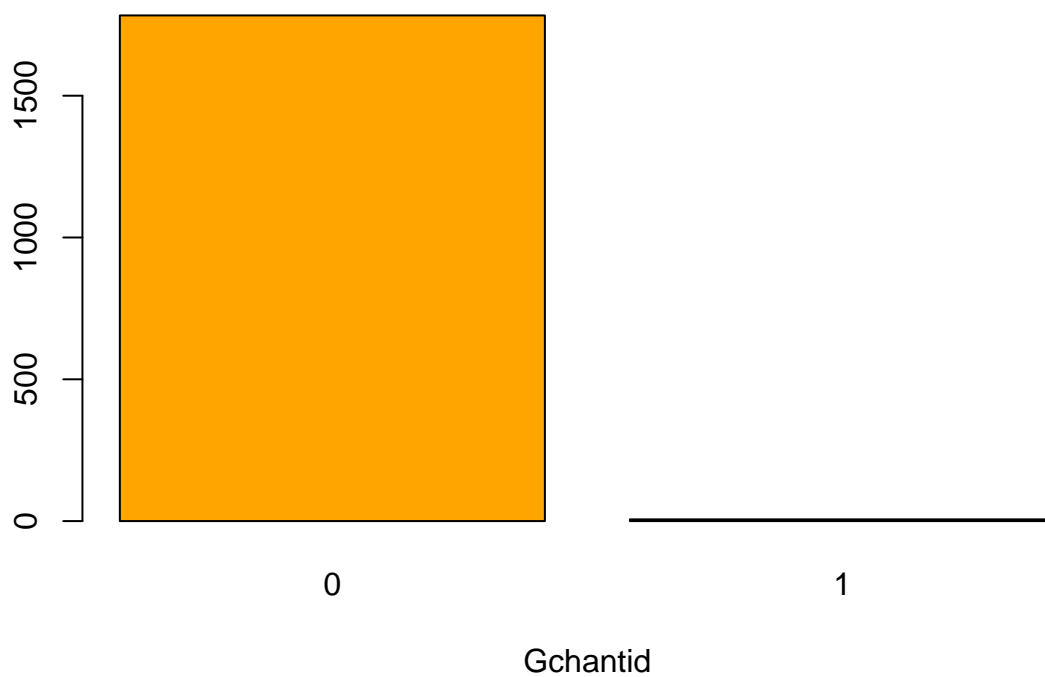
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Gchsubs

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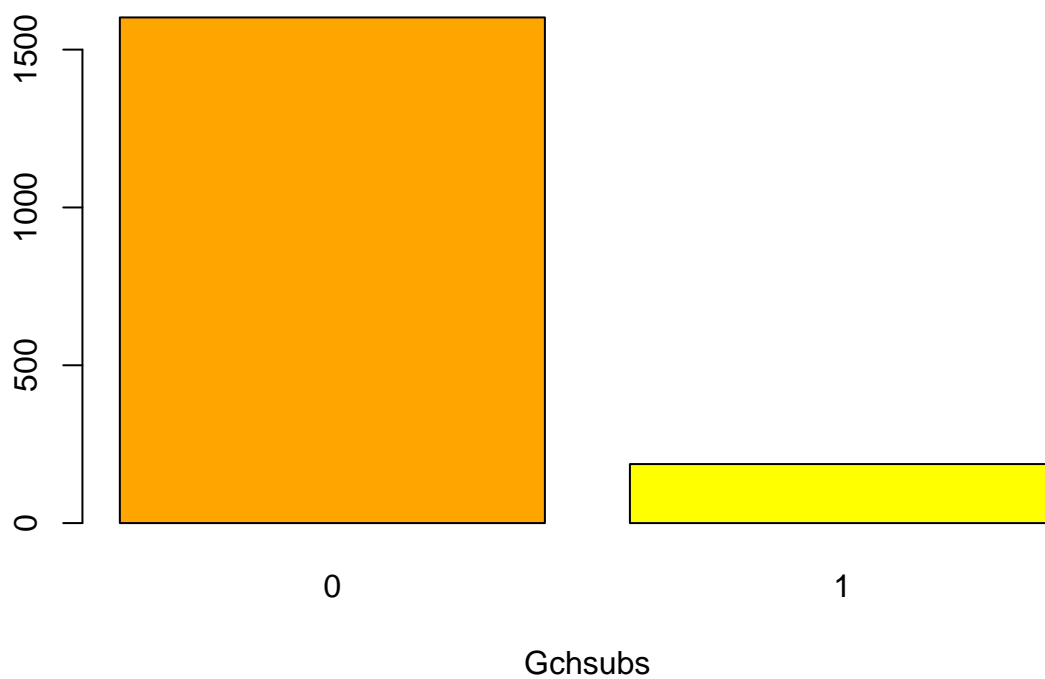
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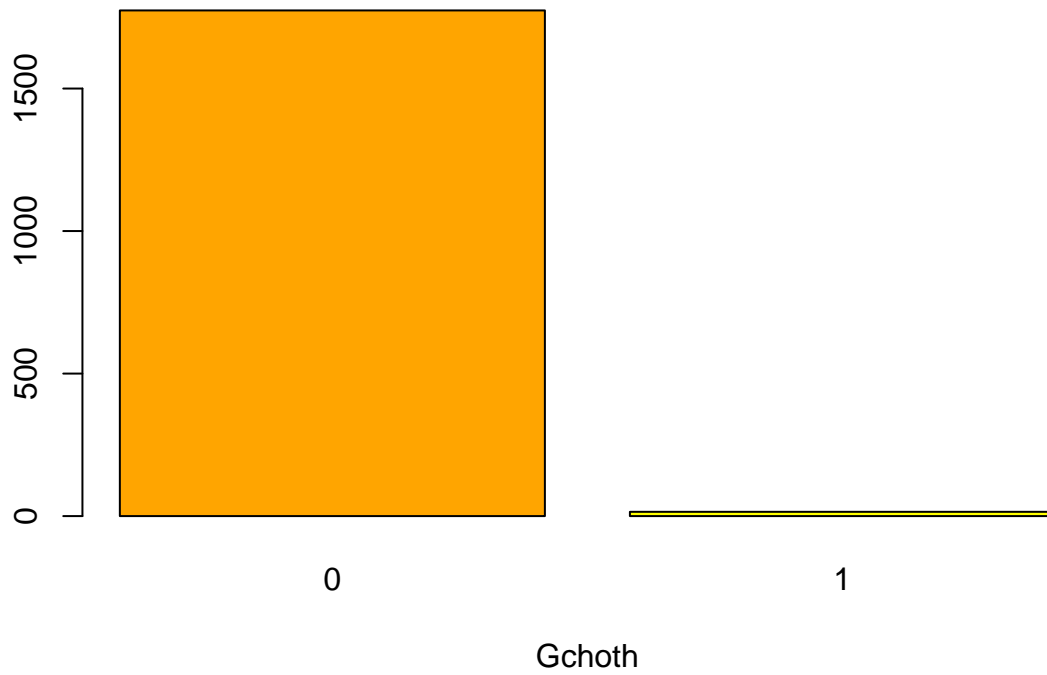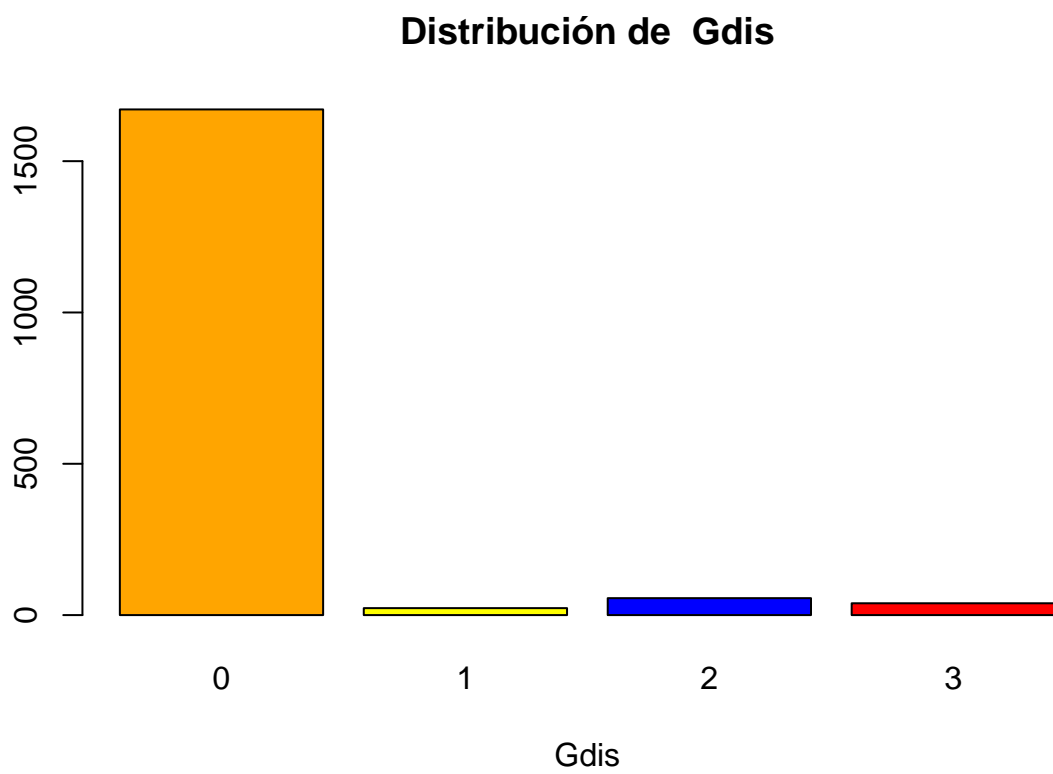
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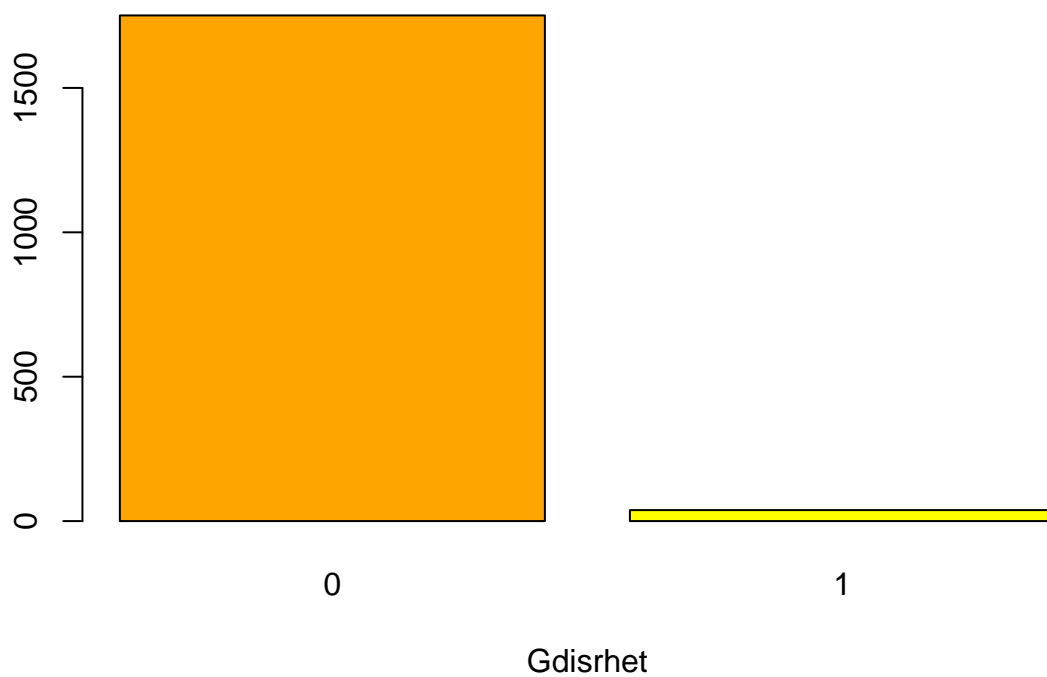
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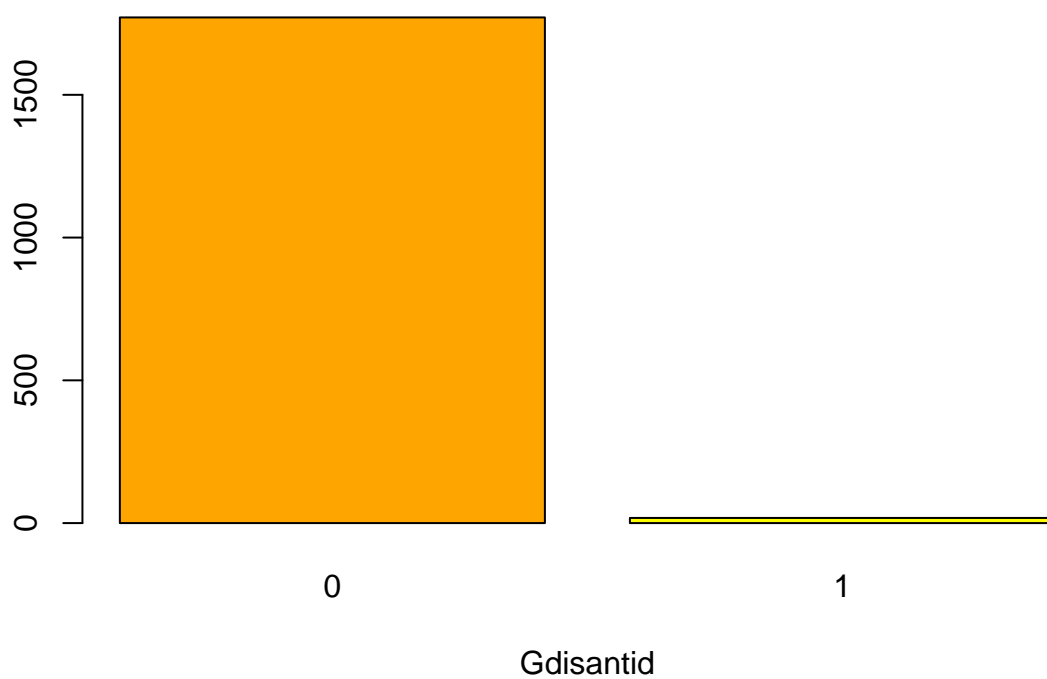
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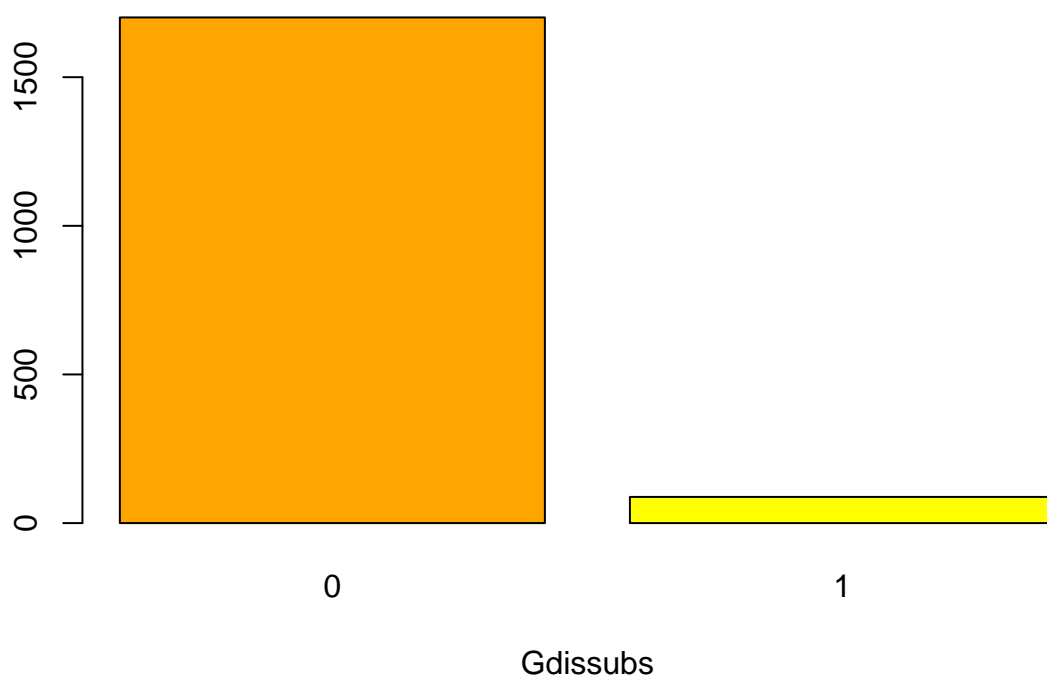
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Gdisoth

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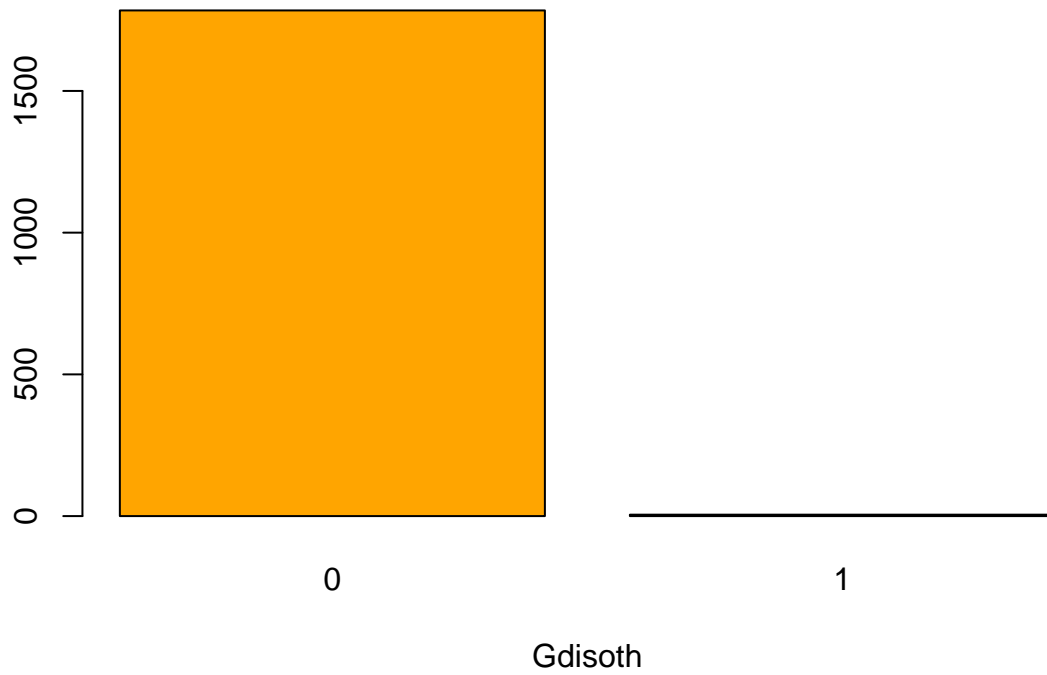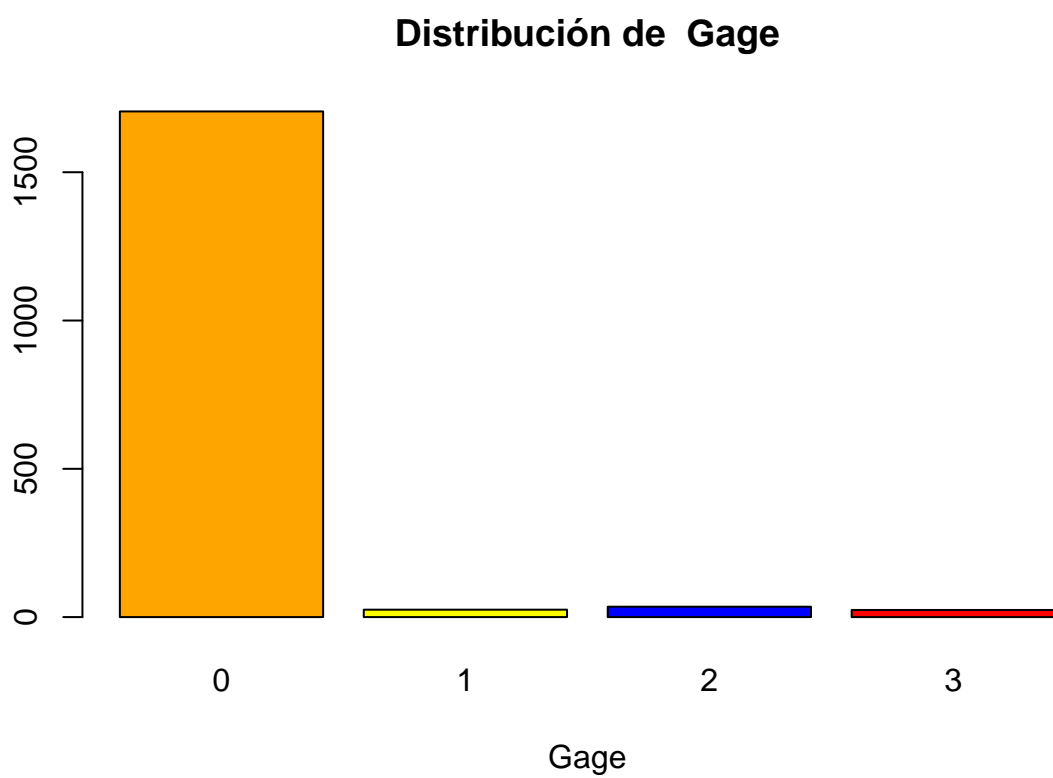
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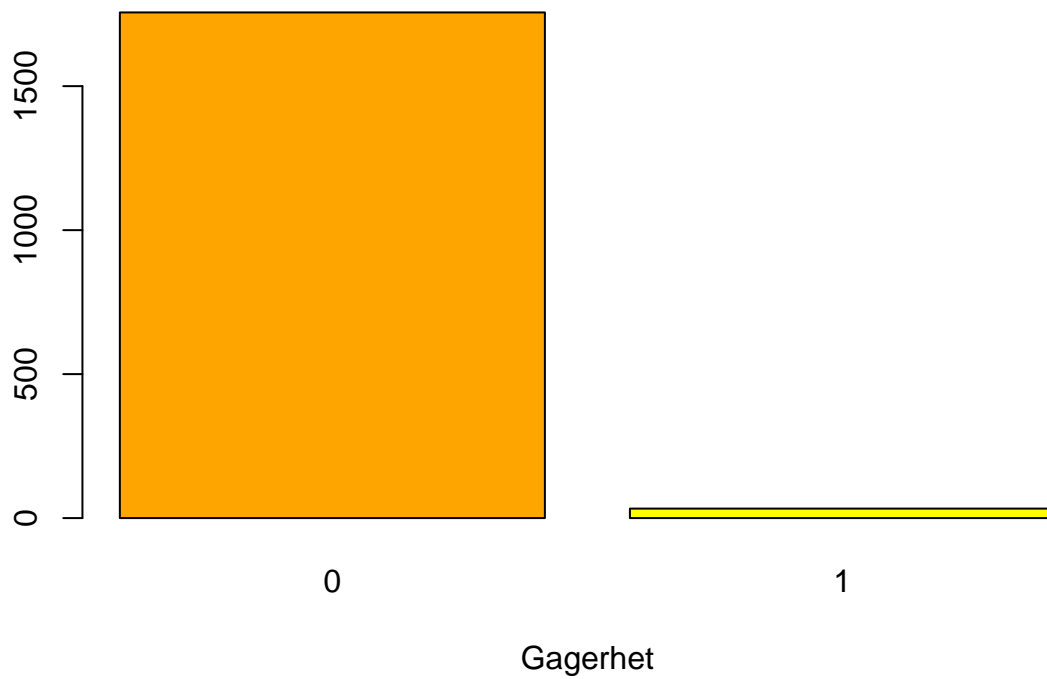
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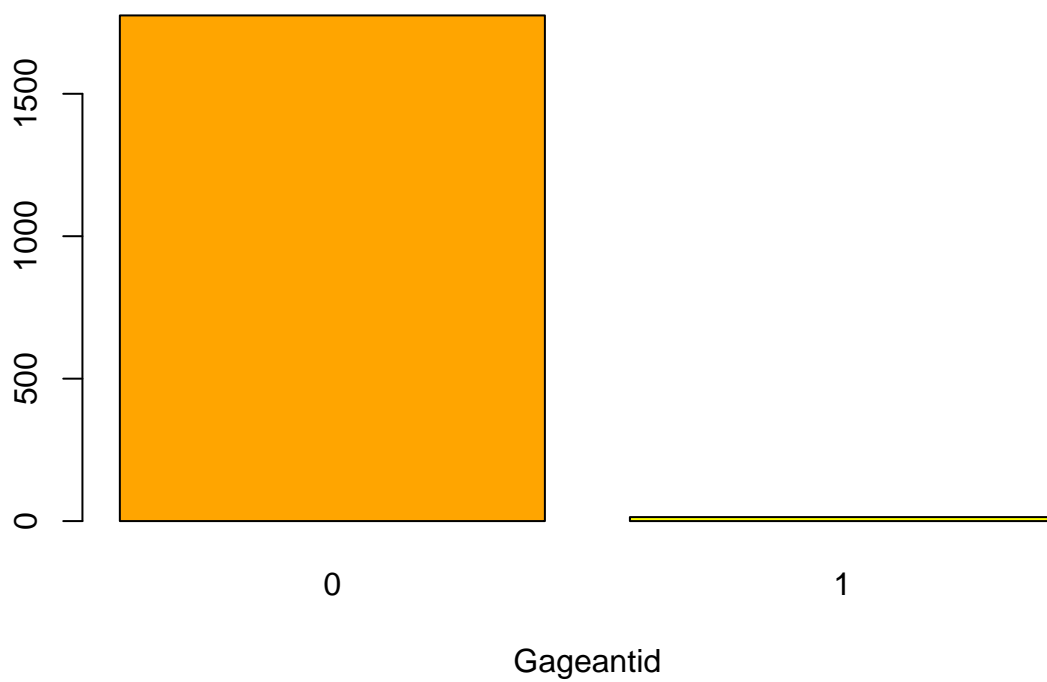
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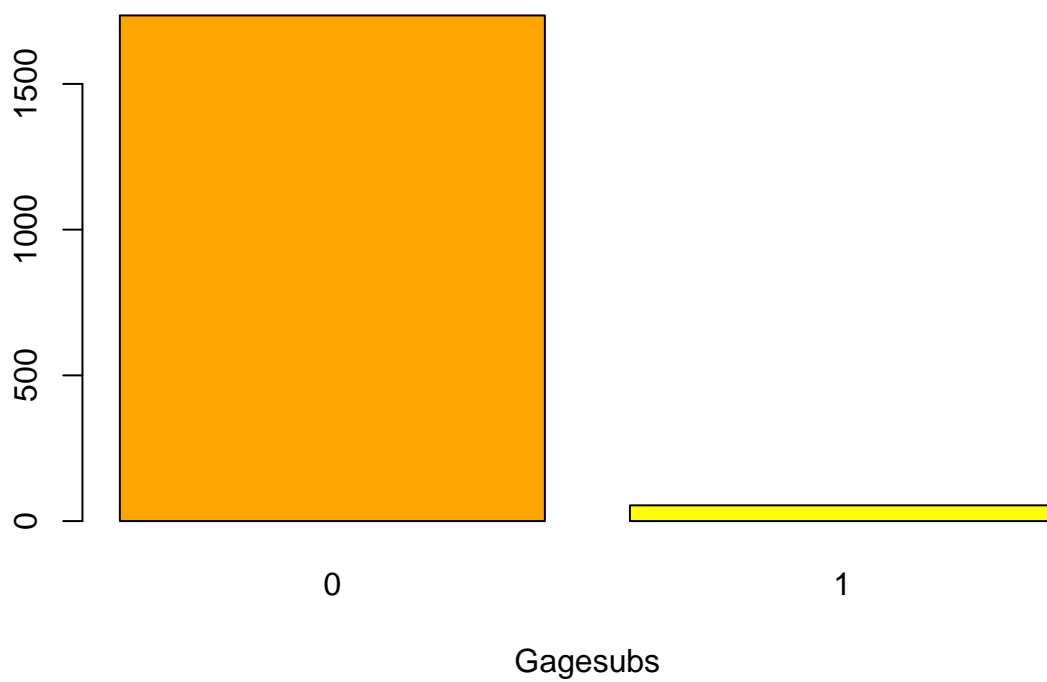
Distribución de Gageoth

Gageoth

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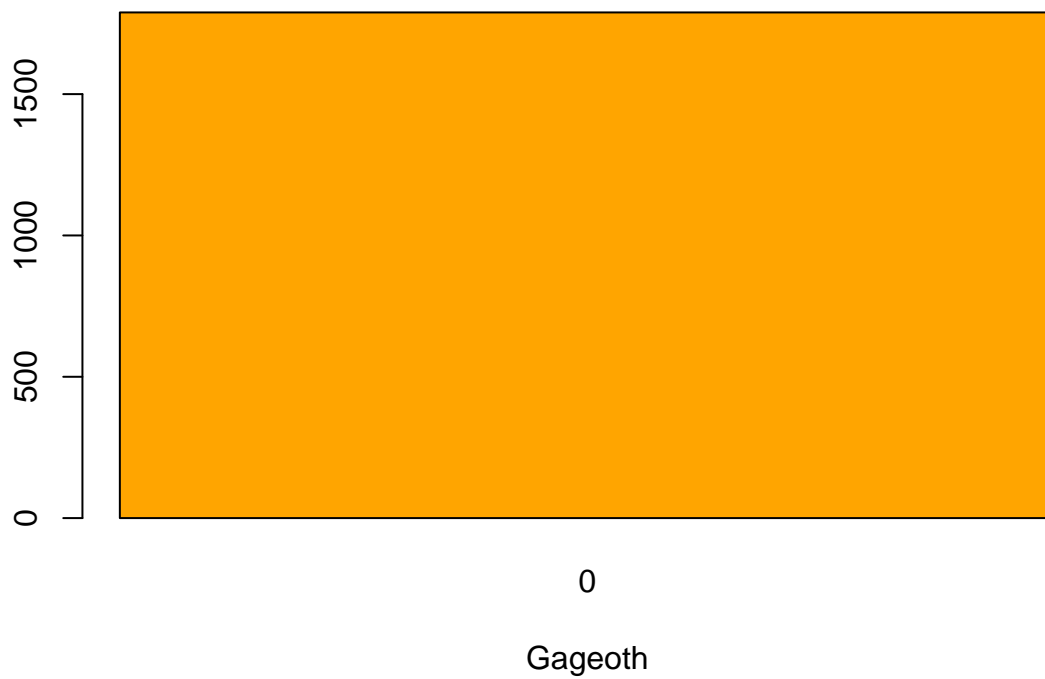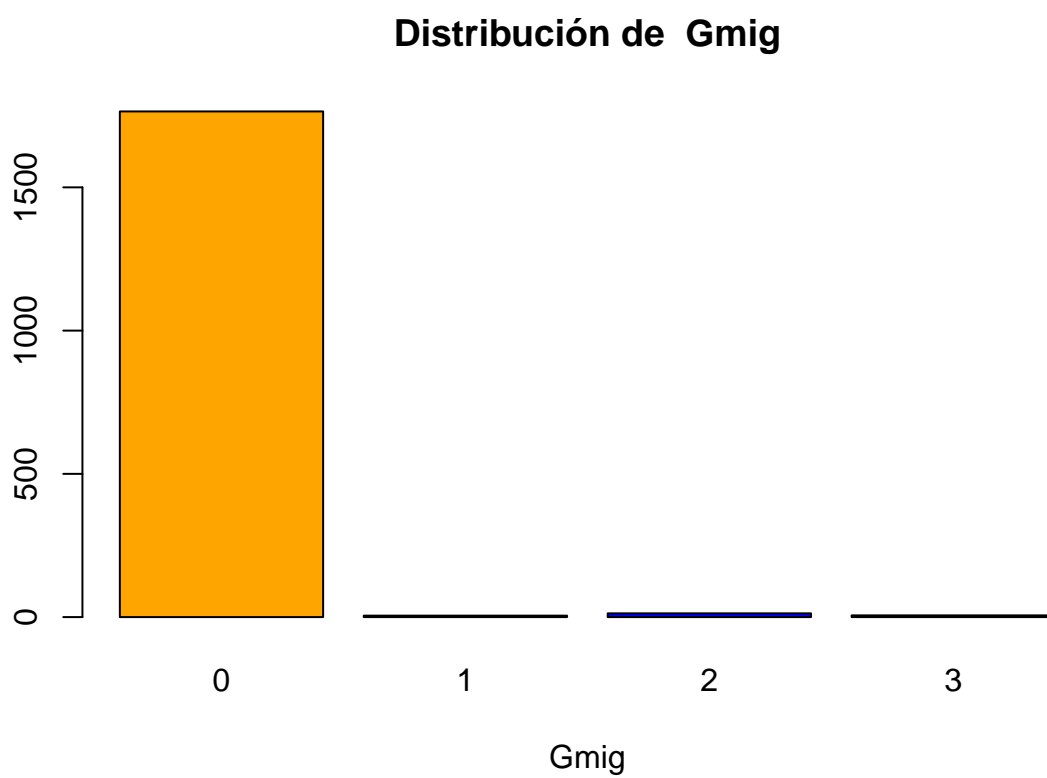
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Gmigrhet

Distribución de Gmigantid

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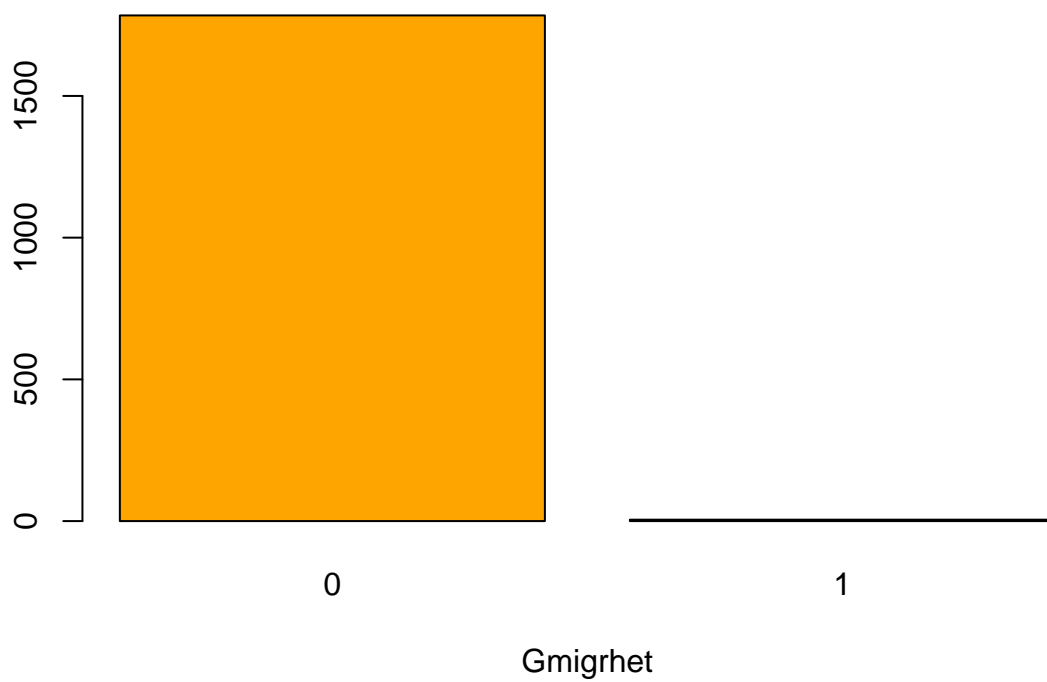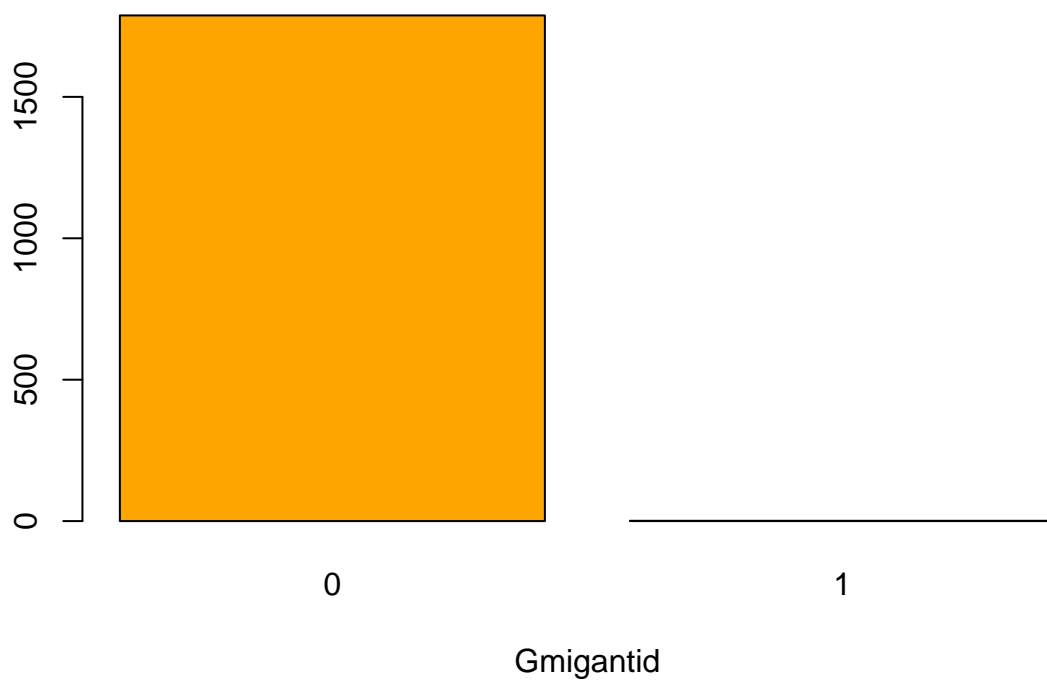
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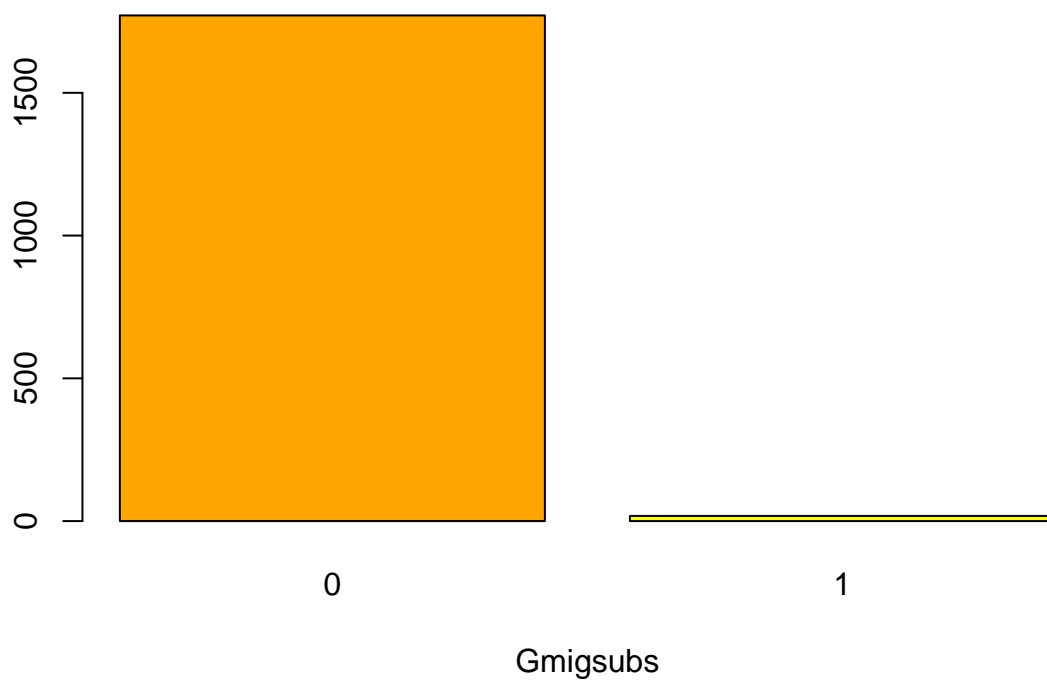
Distribución de Gmigoth

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Gmigoth

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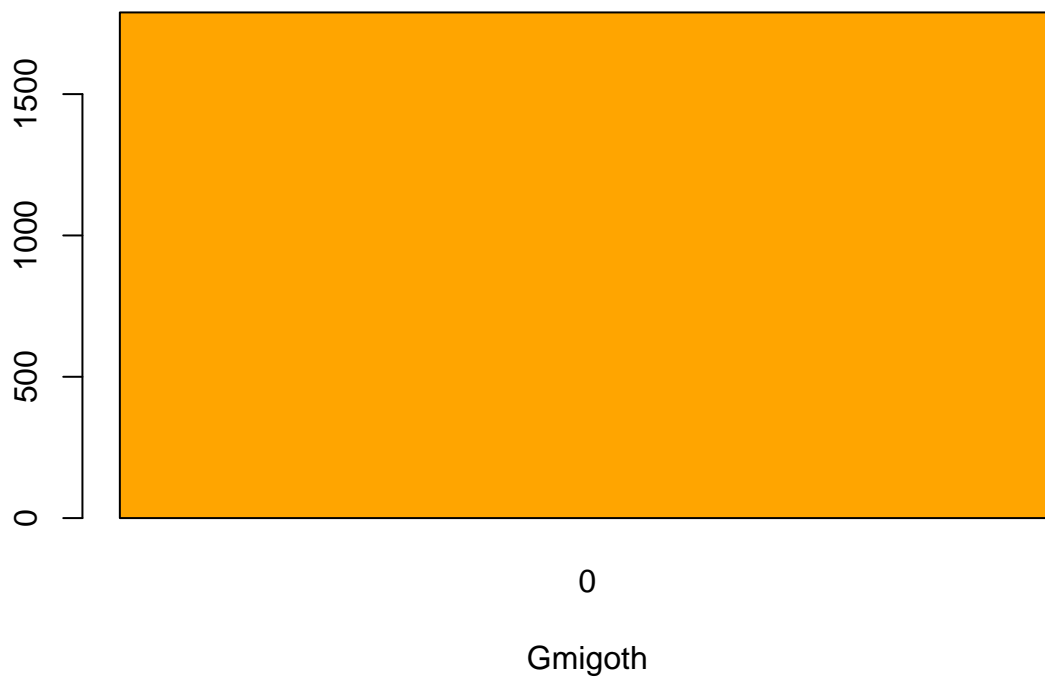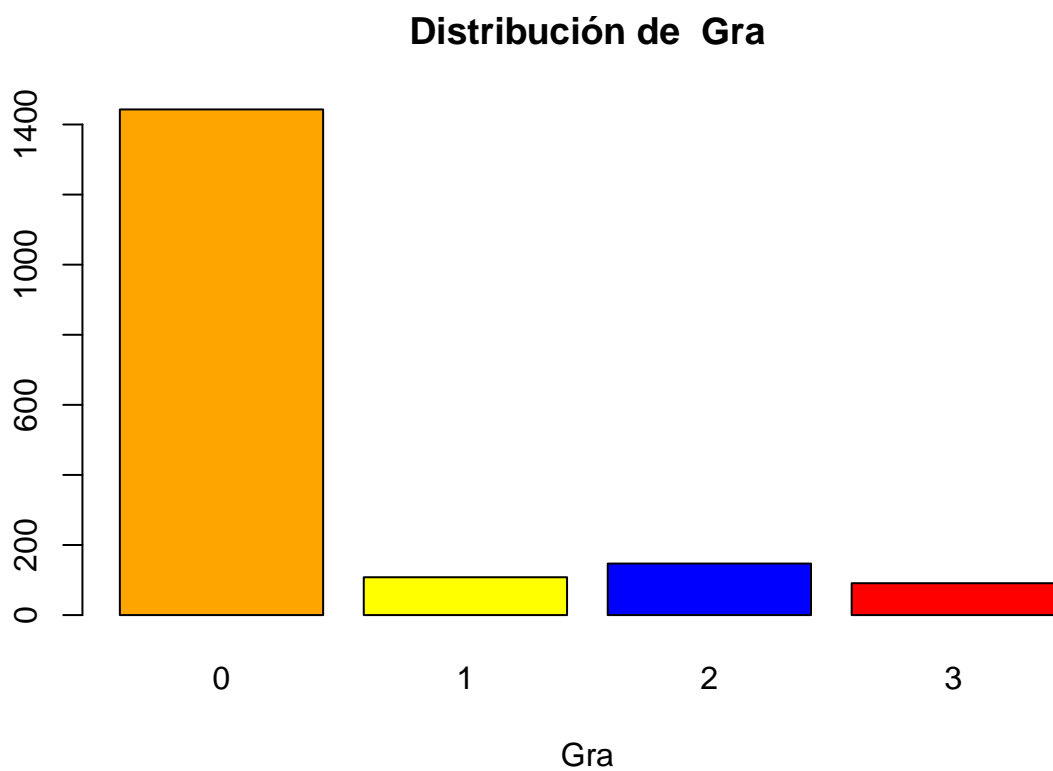
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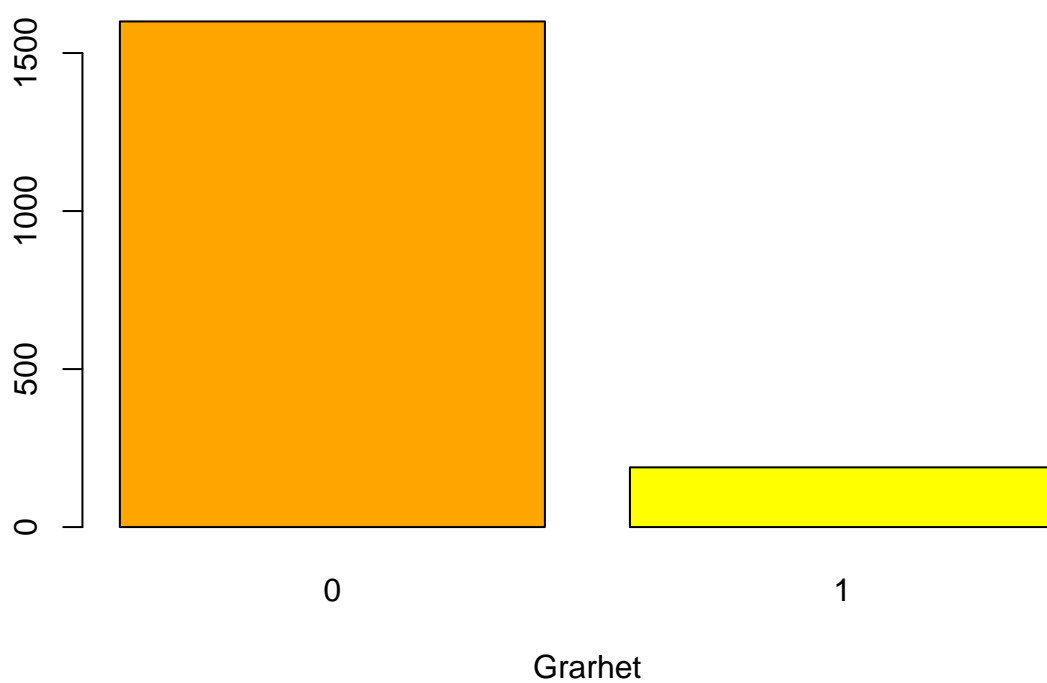
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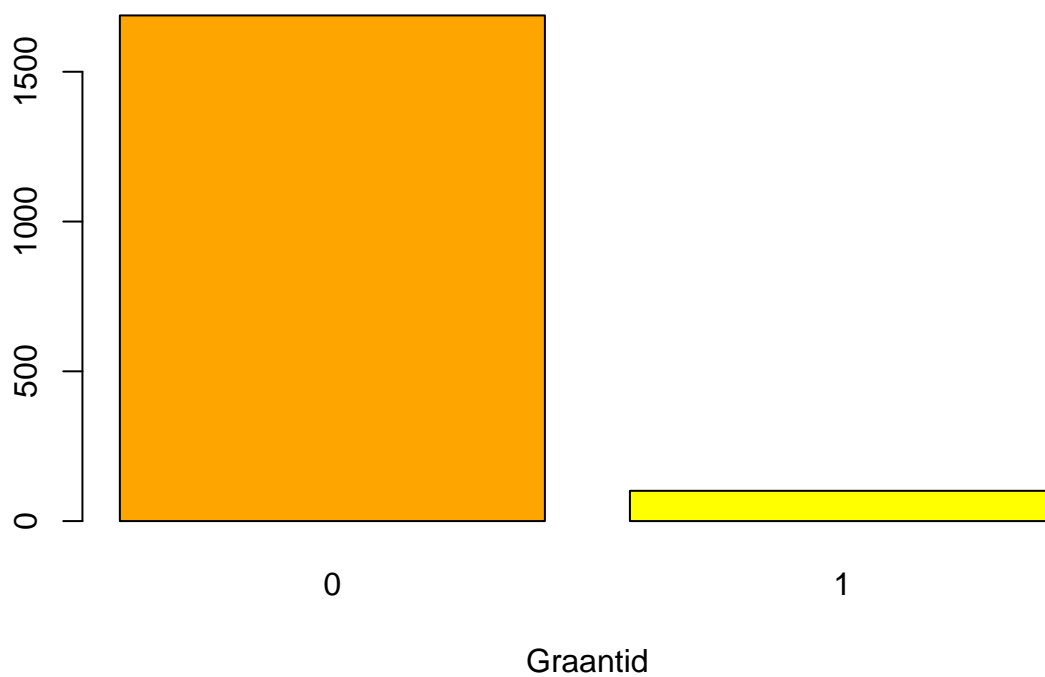
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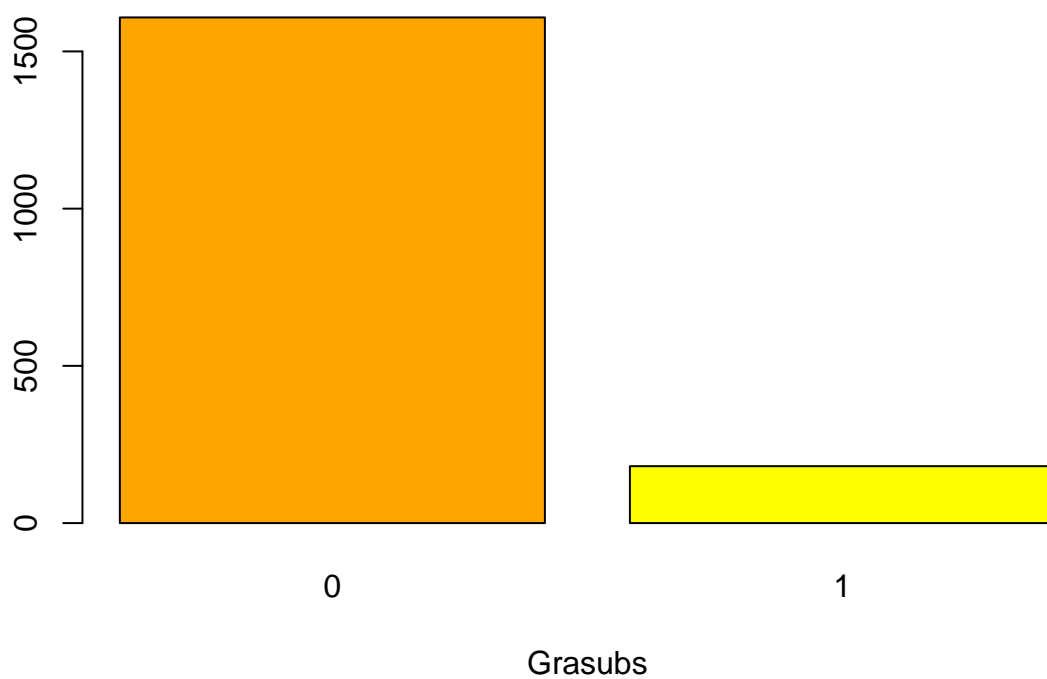
Distribución de Graoth

Graoth

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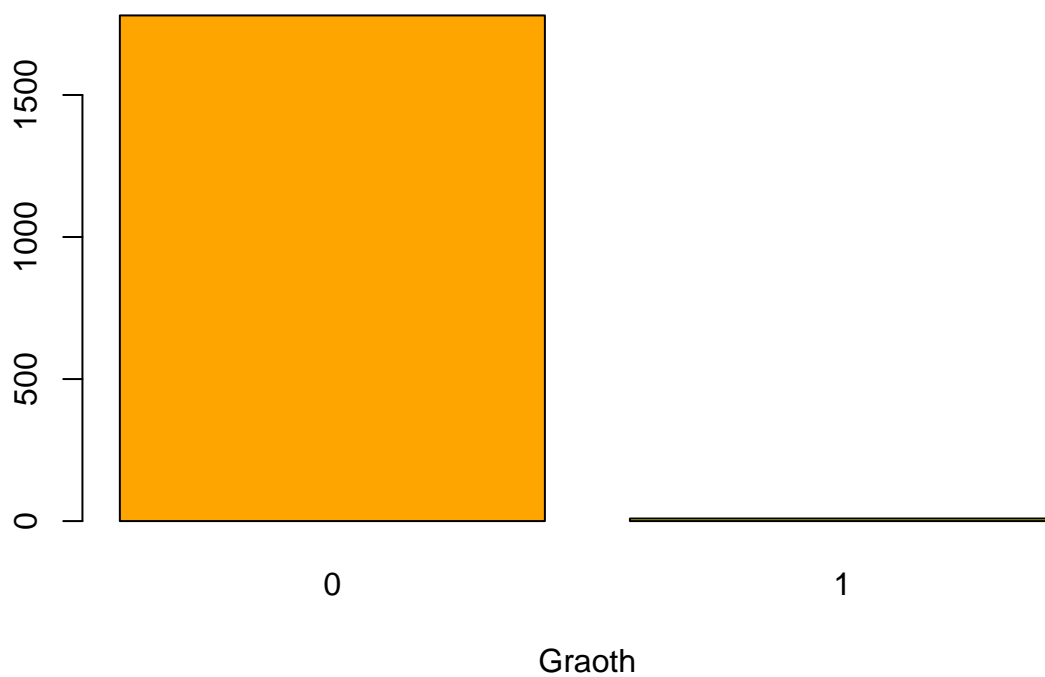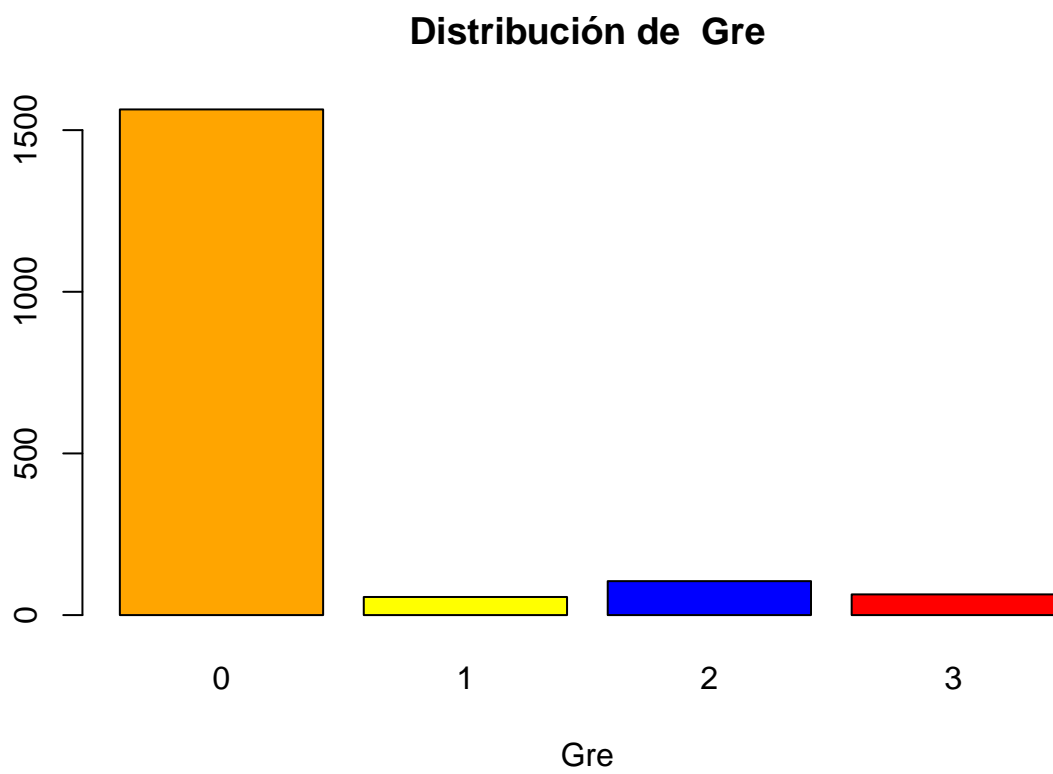
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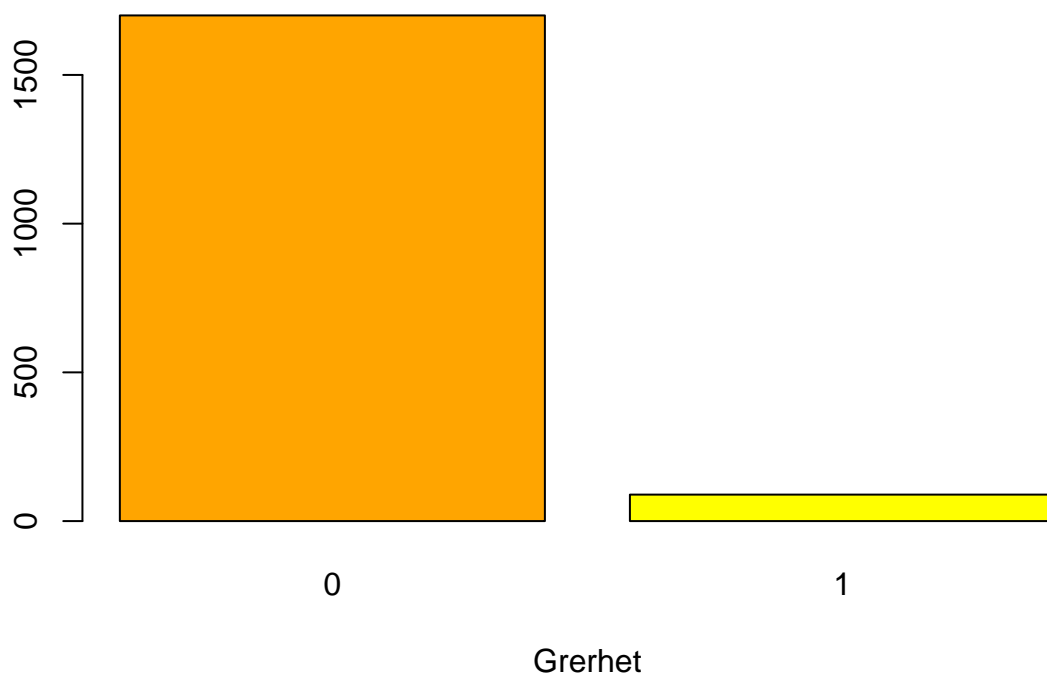
Distribución de Greantid

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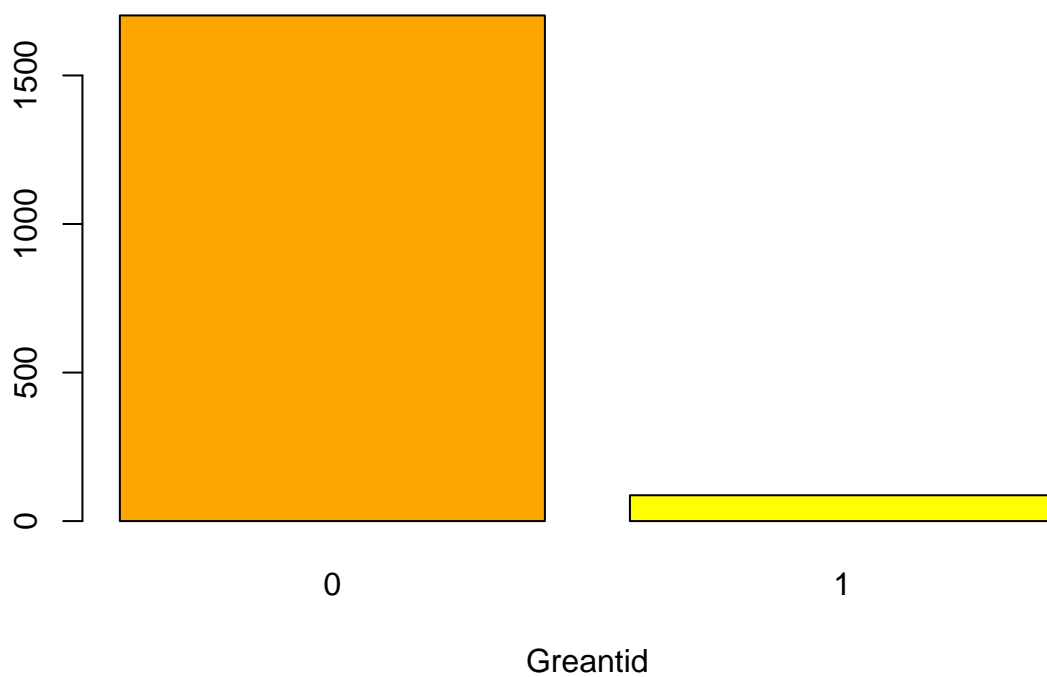
Distribución de Gresubs

Gresubs

Distribución de Greoth
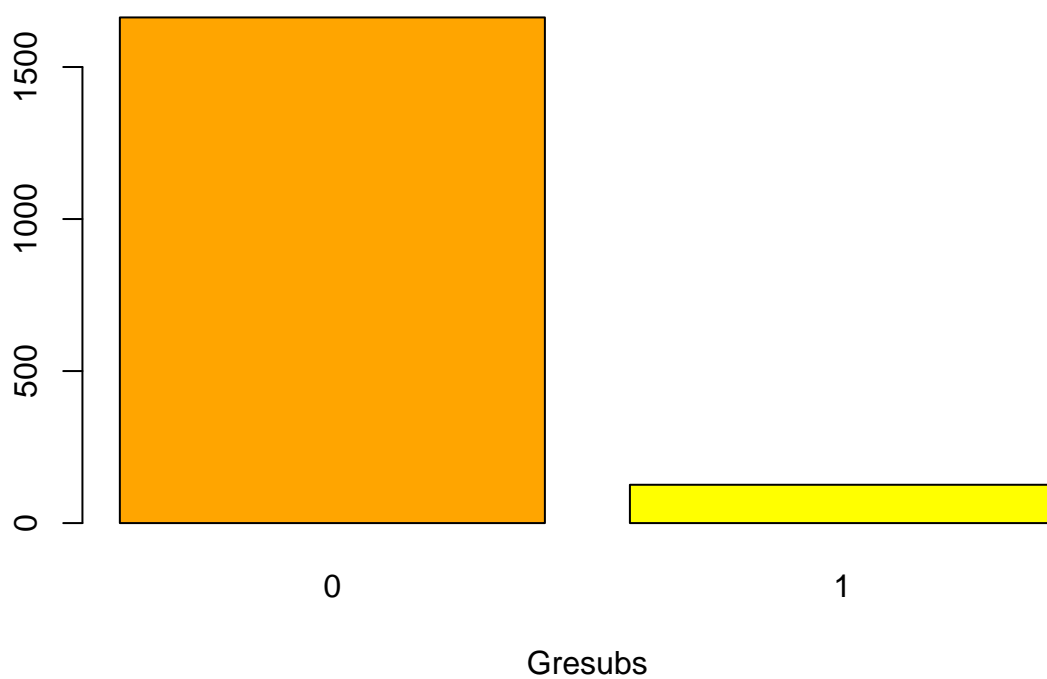
Greoth

Distribución de Gind
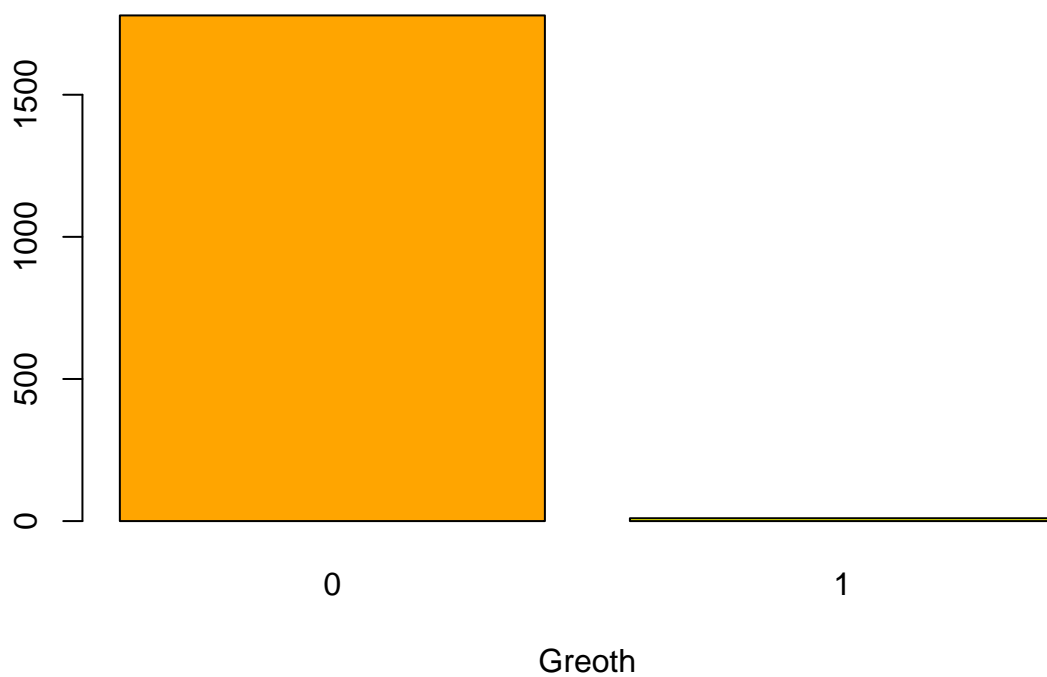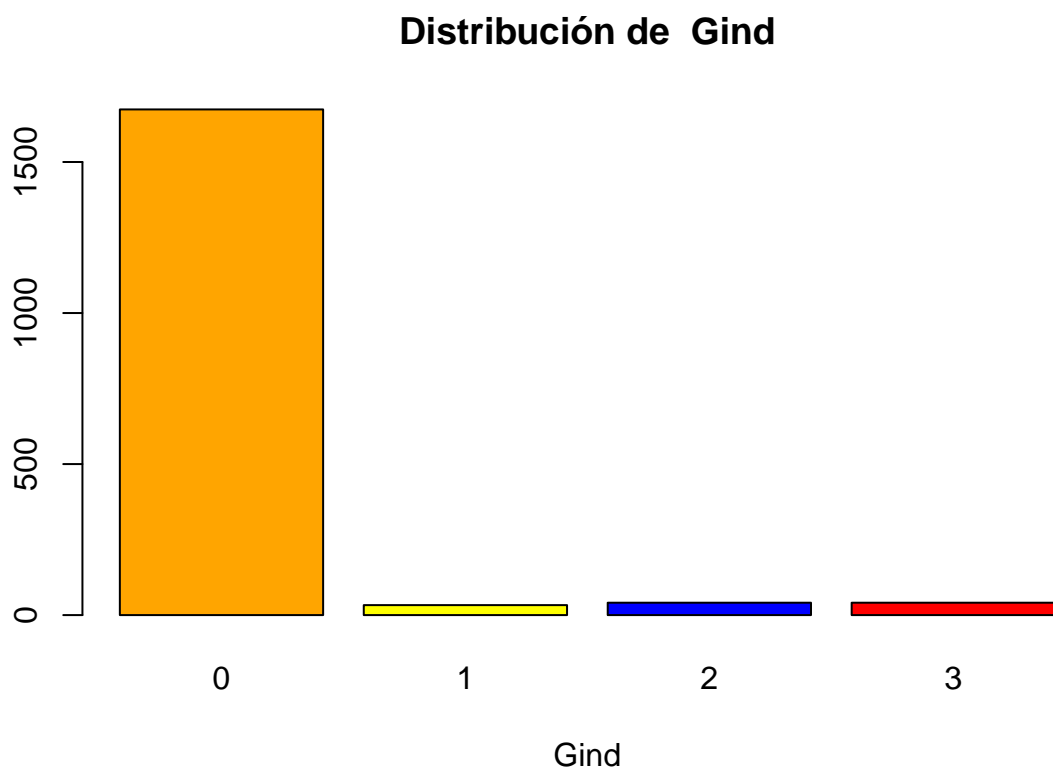
Gind

Distribución de Gindrhet

Gindrhet
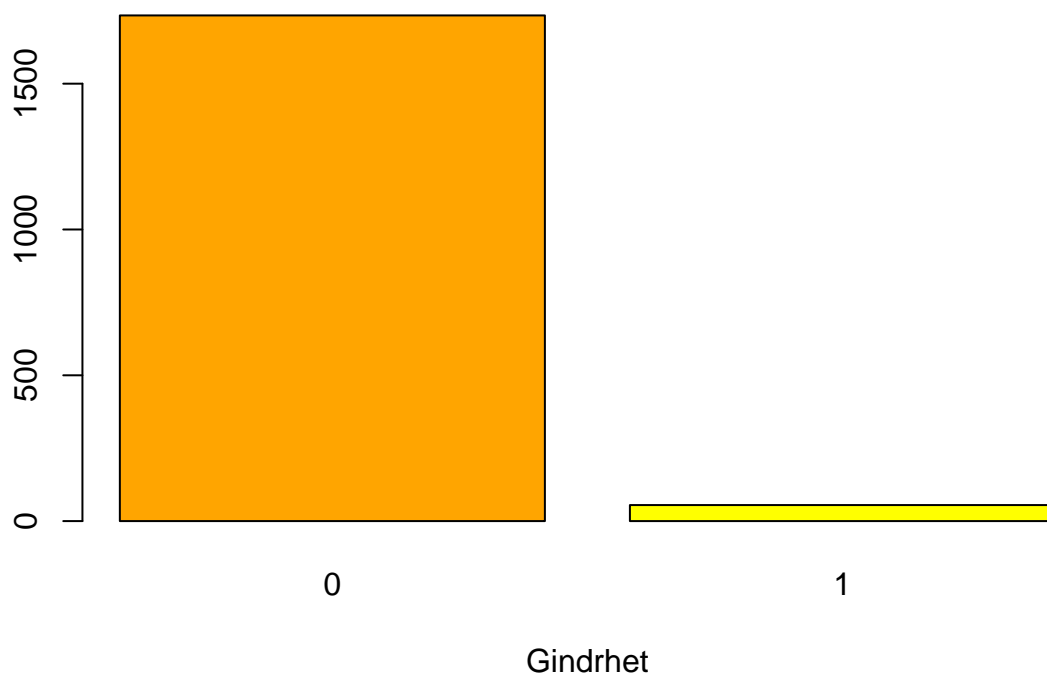
Distribución de Gindantid

Gindantid
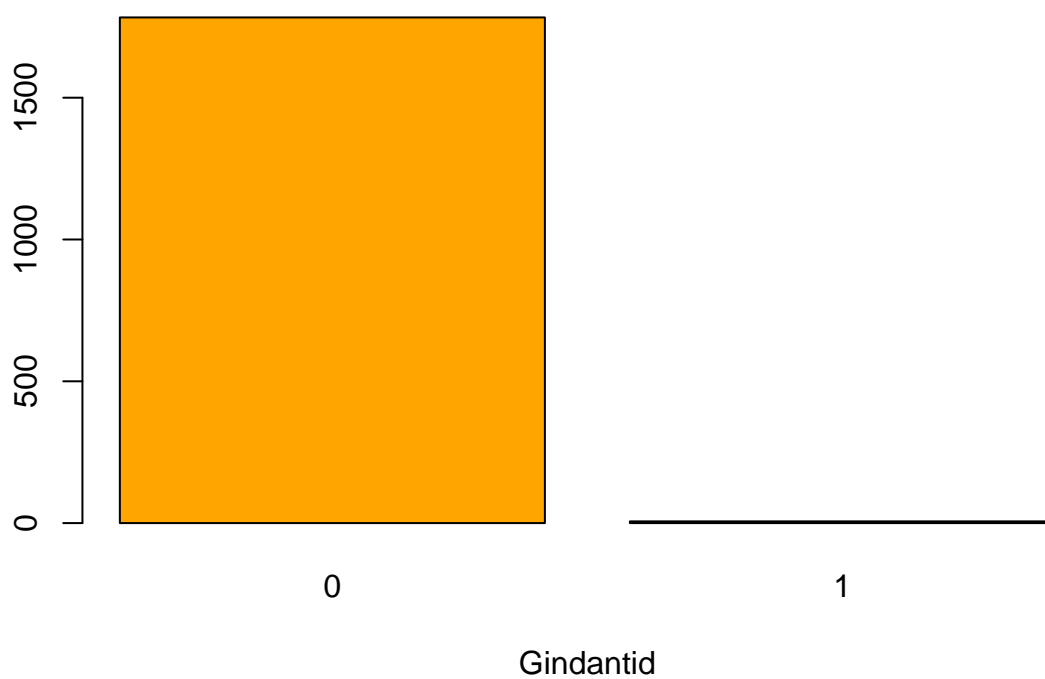
Distribución de Gindsubs

Gindsubs
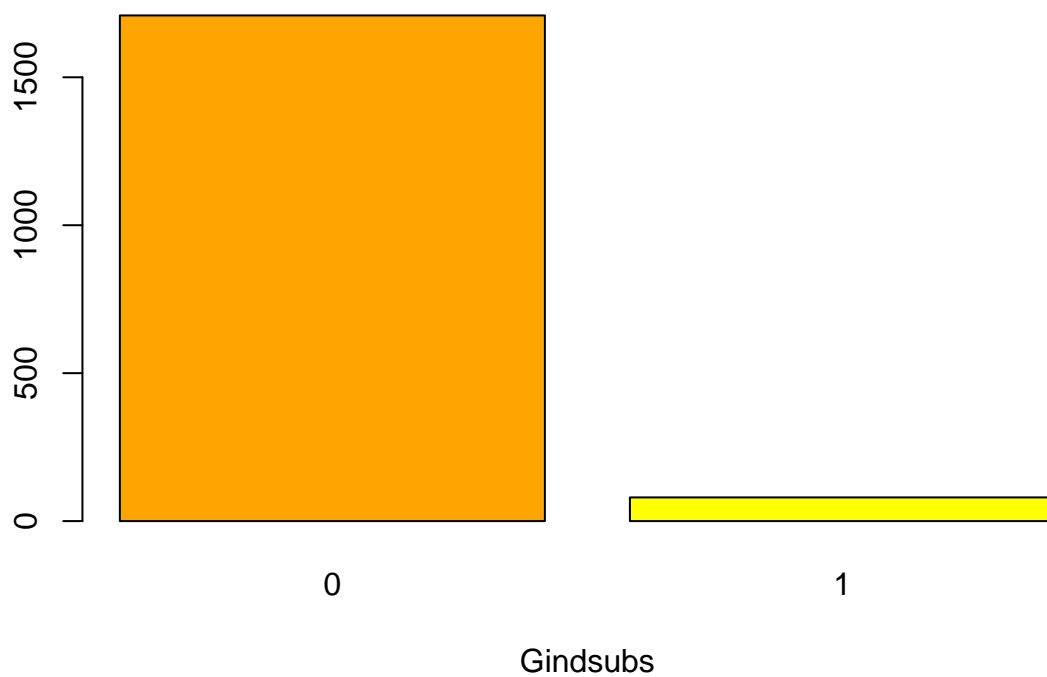
Distribución de Gindoth

Gindoth
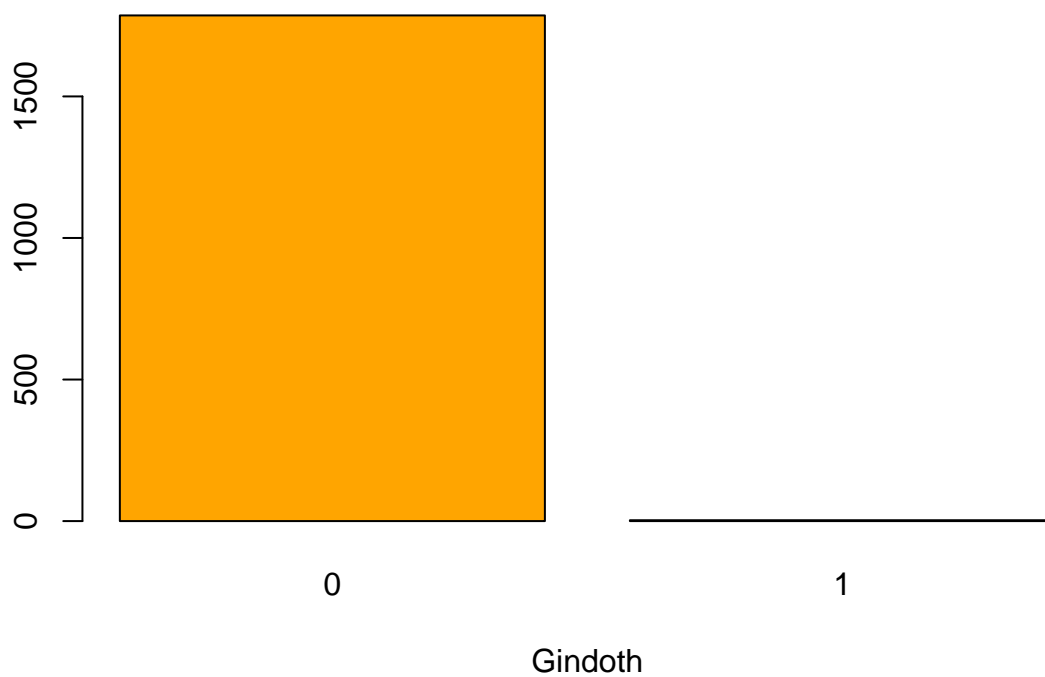
Distribución de Goth
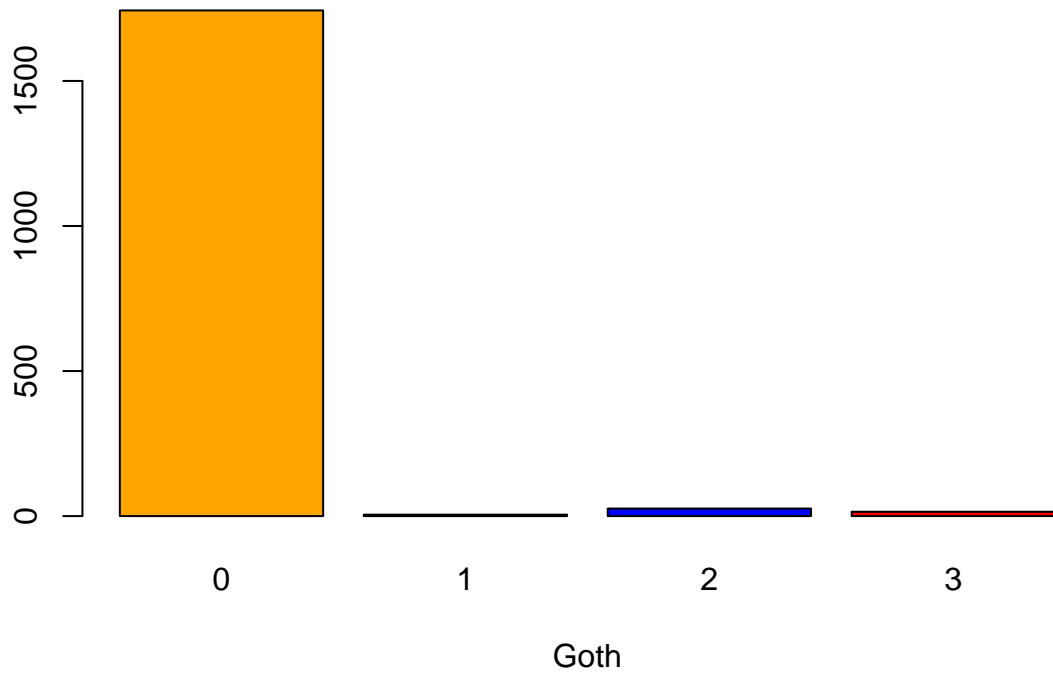
Distribución de Gothrhet

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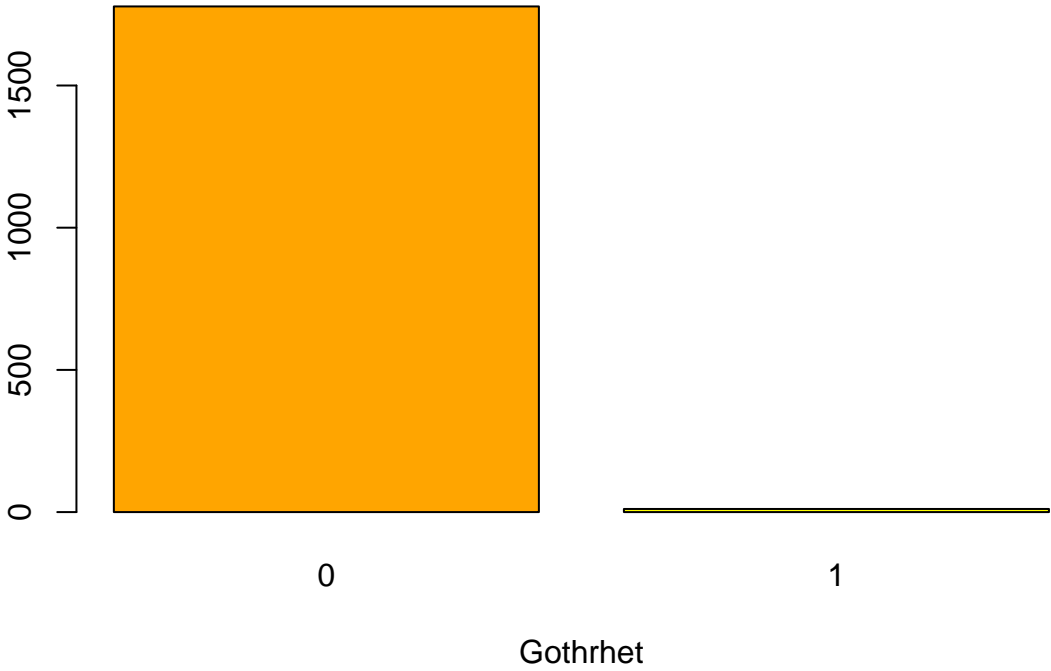
Distribución de Gothantid

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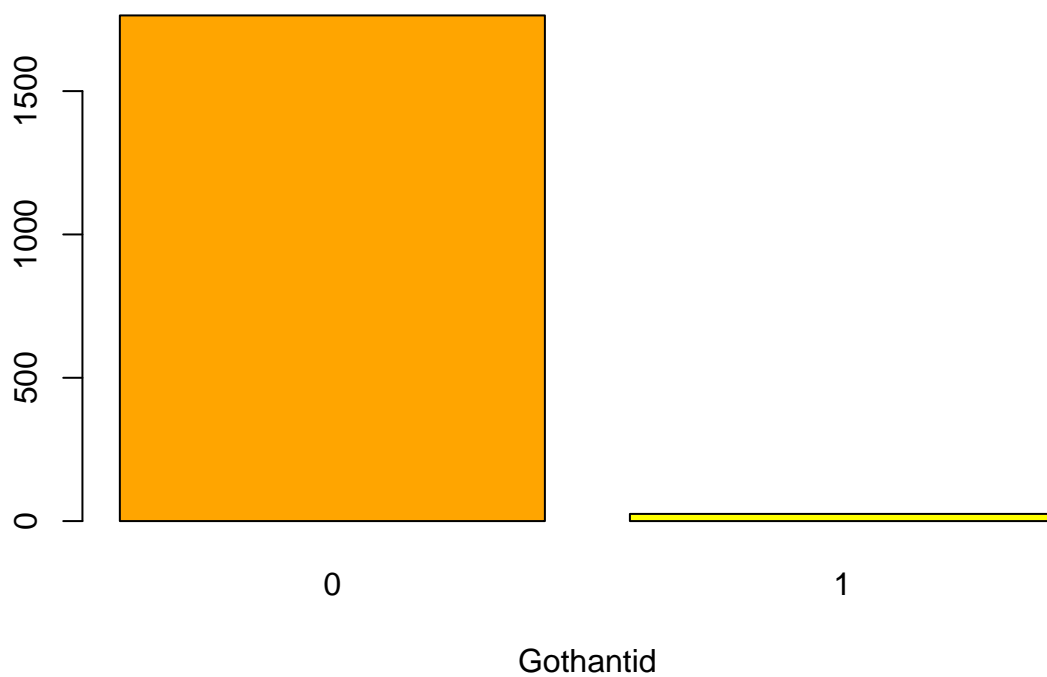
Distribución de Gothsubs

Gothsubs
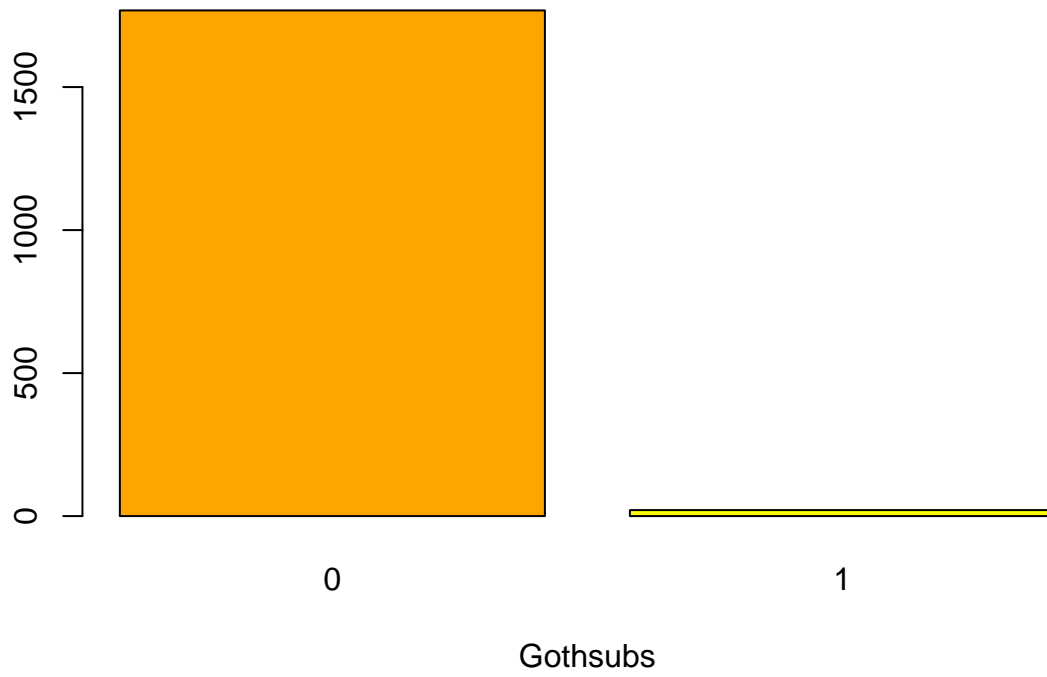
Distribución de Gothoth

Gothoth

Distribución de Gref
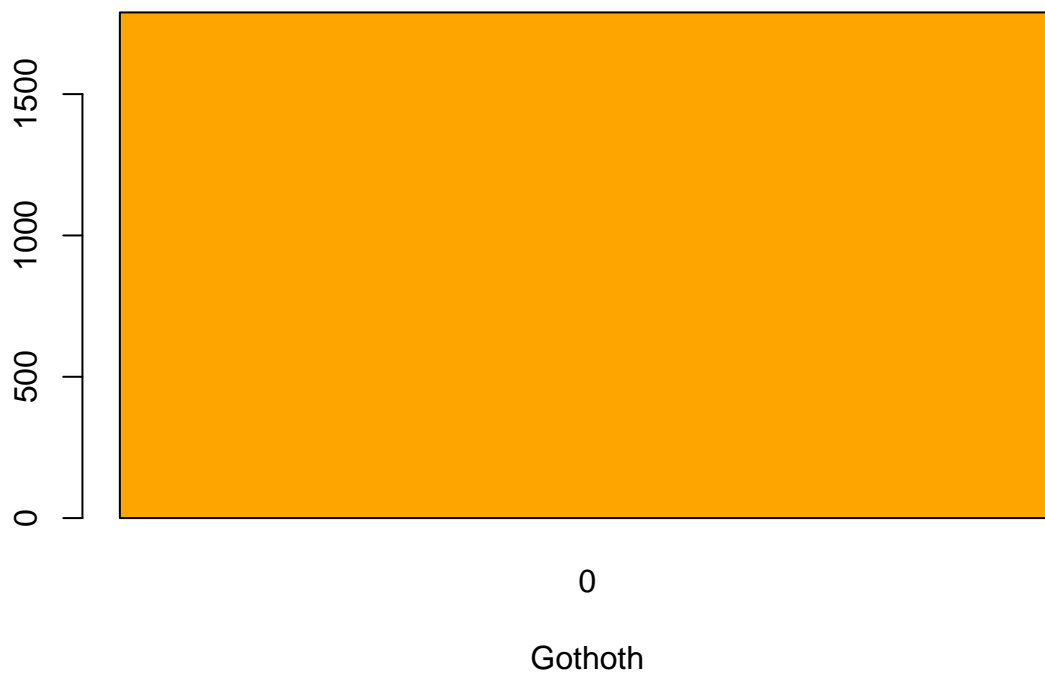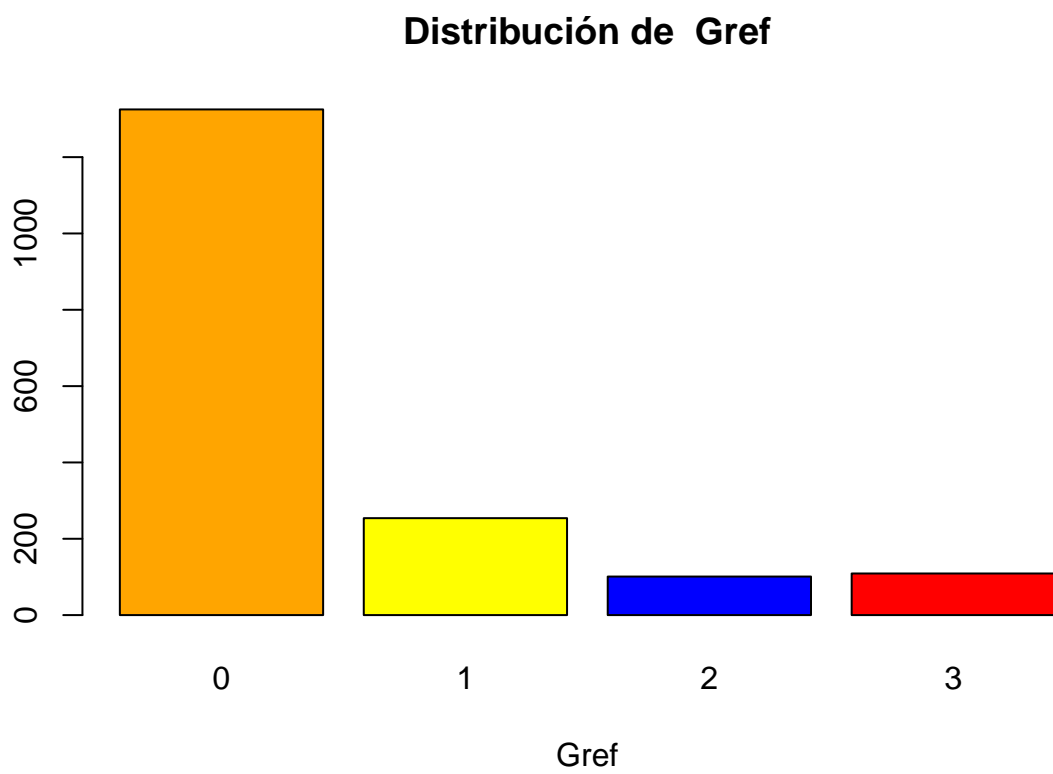
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Distribución de Grefrhet

Grefrhet
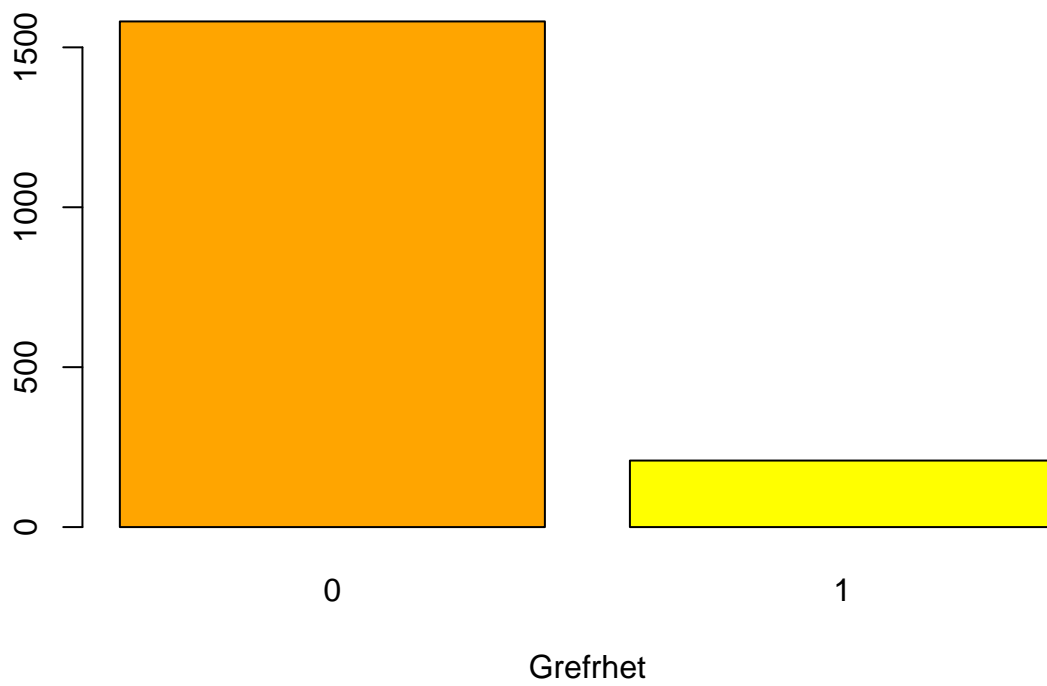
Distribución de Grefsubs

Grefsubs

Distribución de Grefoth

Grefoth

Distribución de Gsoc
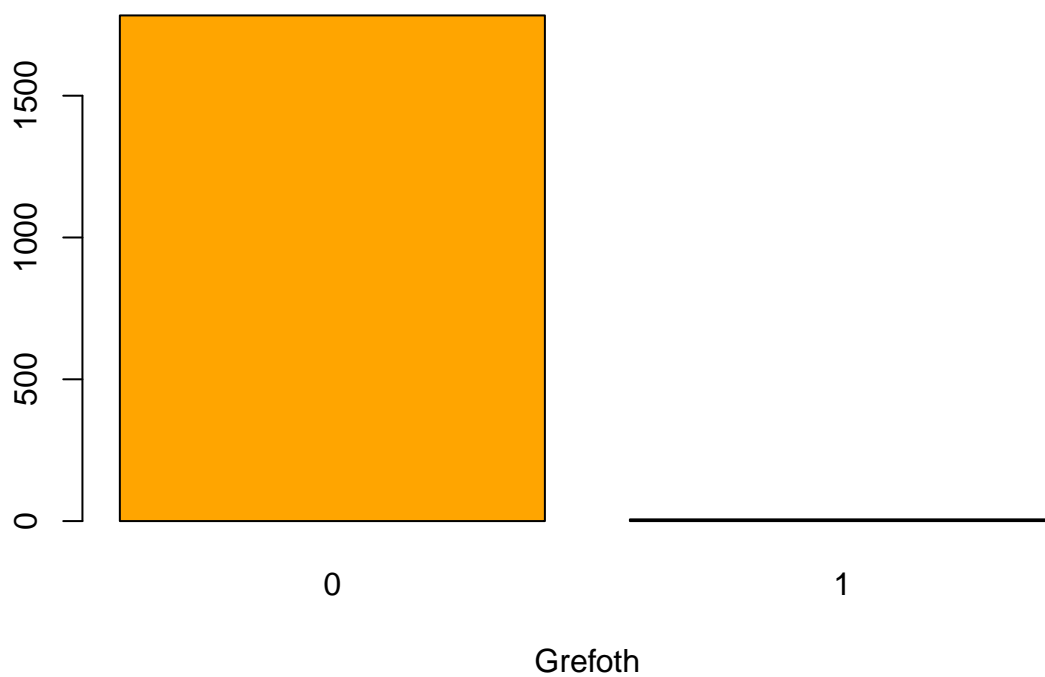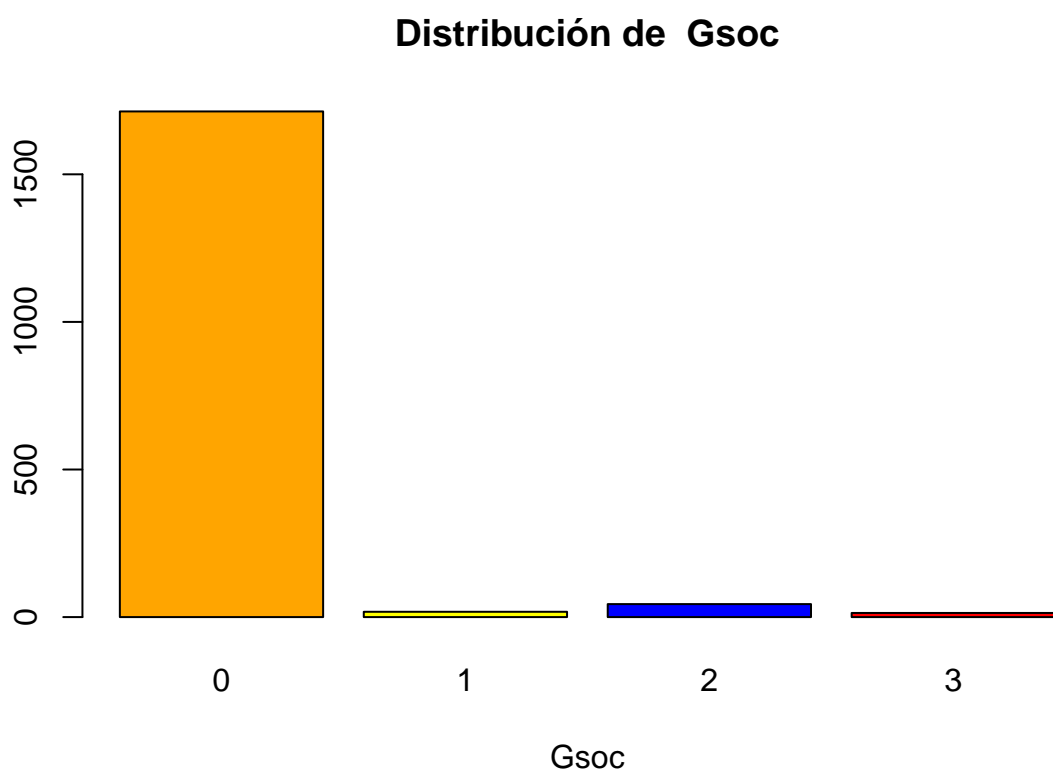
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Gsocrhet
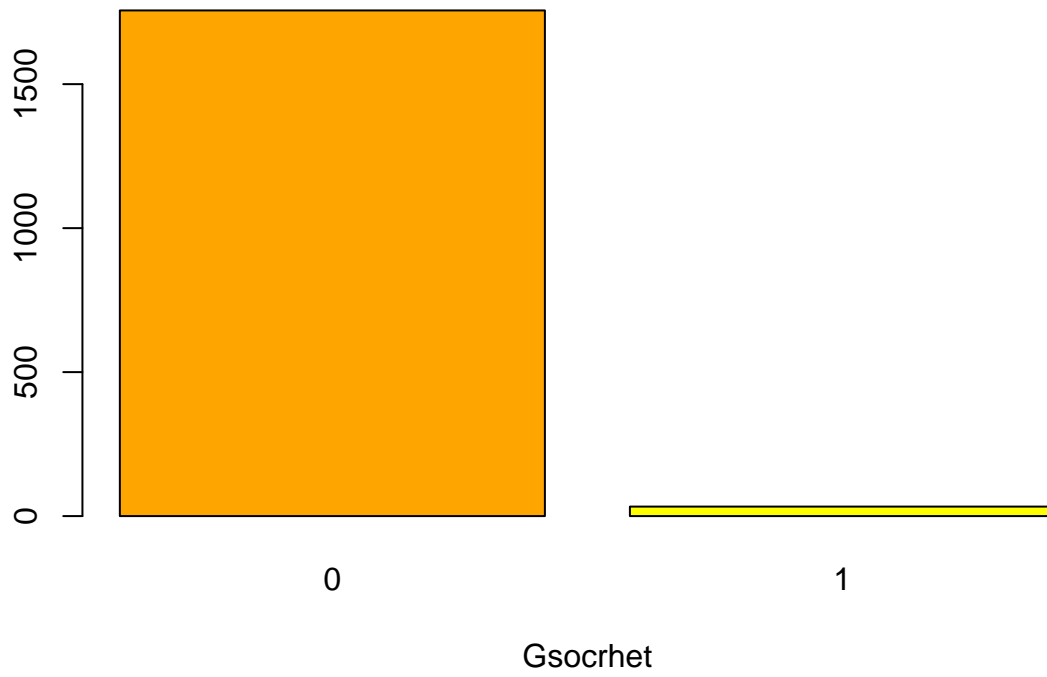
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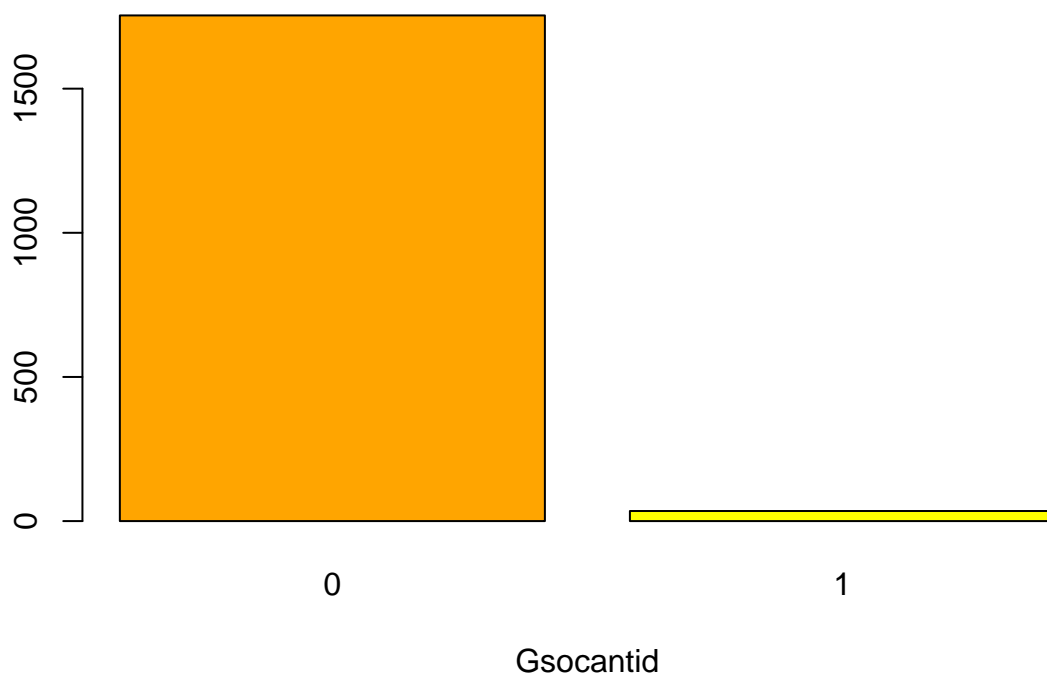
Distribución de Gsocsubs

Gsocsubs

Distribución de Gsocoth

Gsocoth

Distribución de Gewom

Gewom
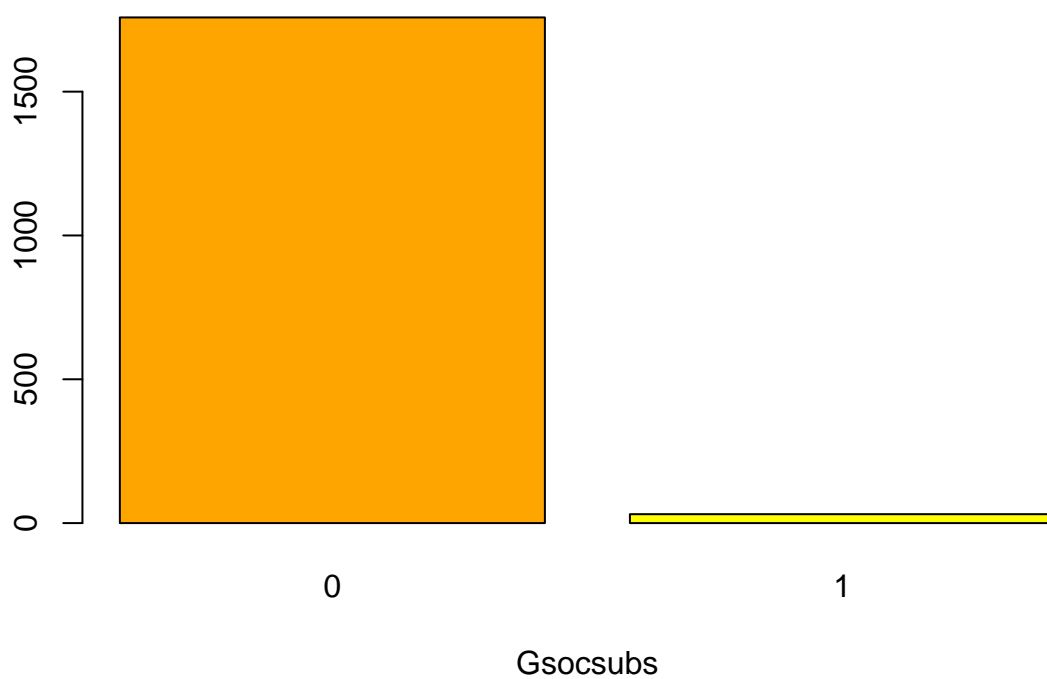
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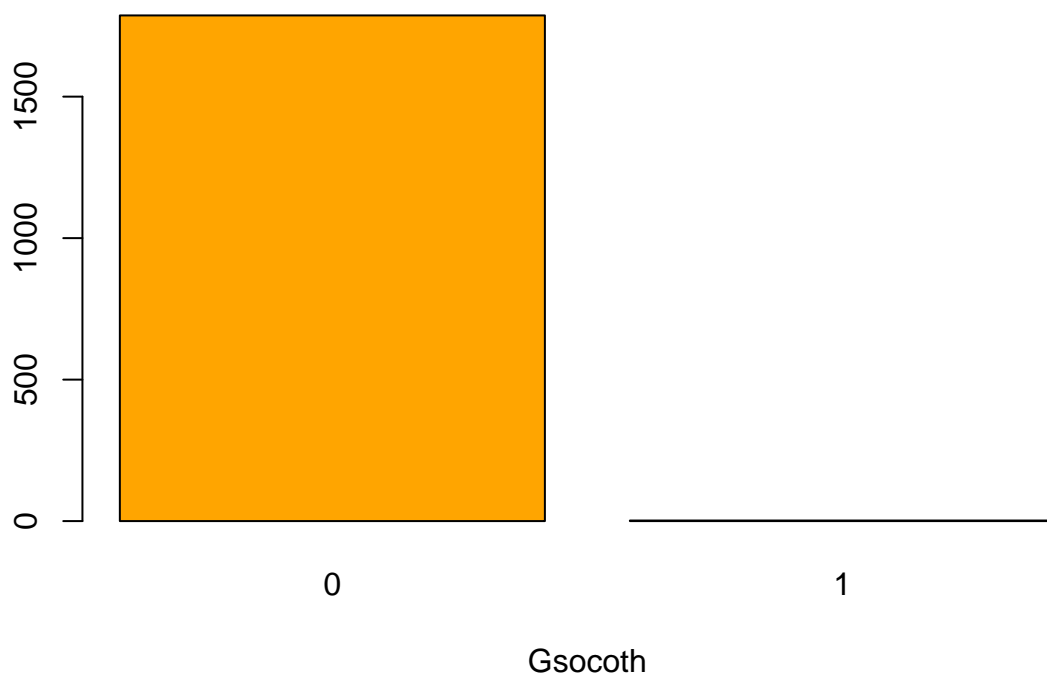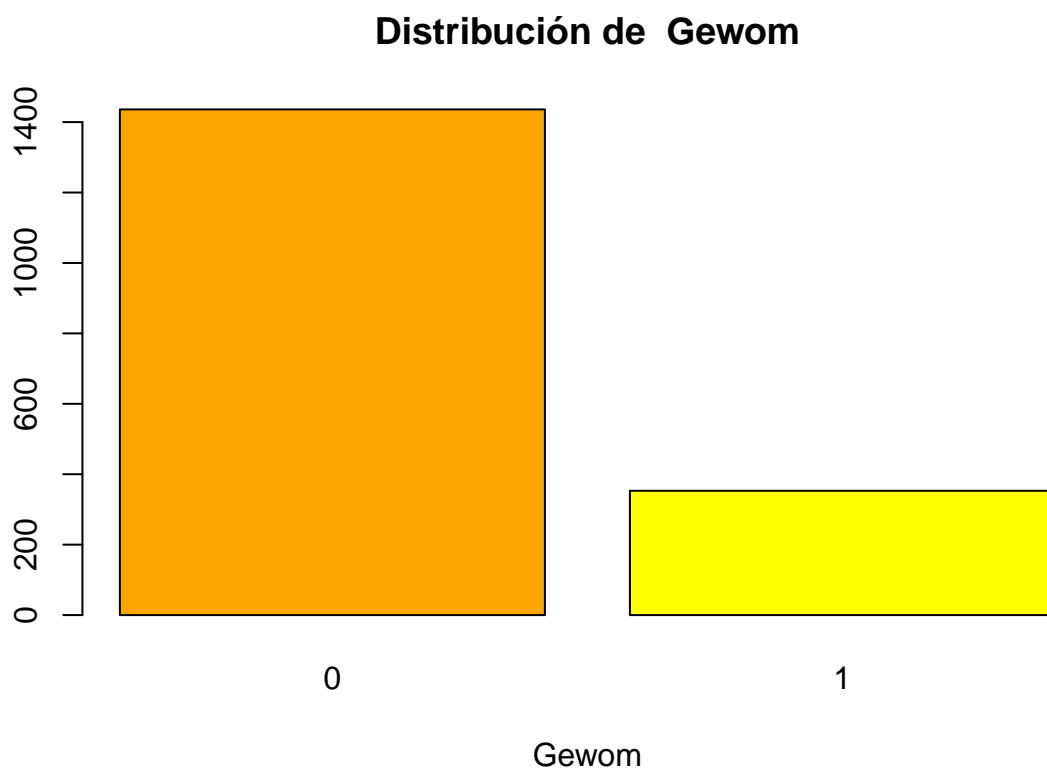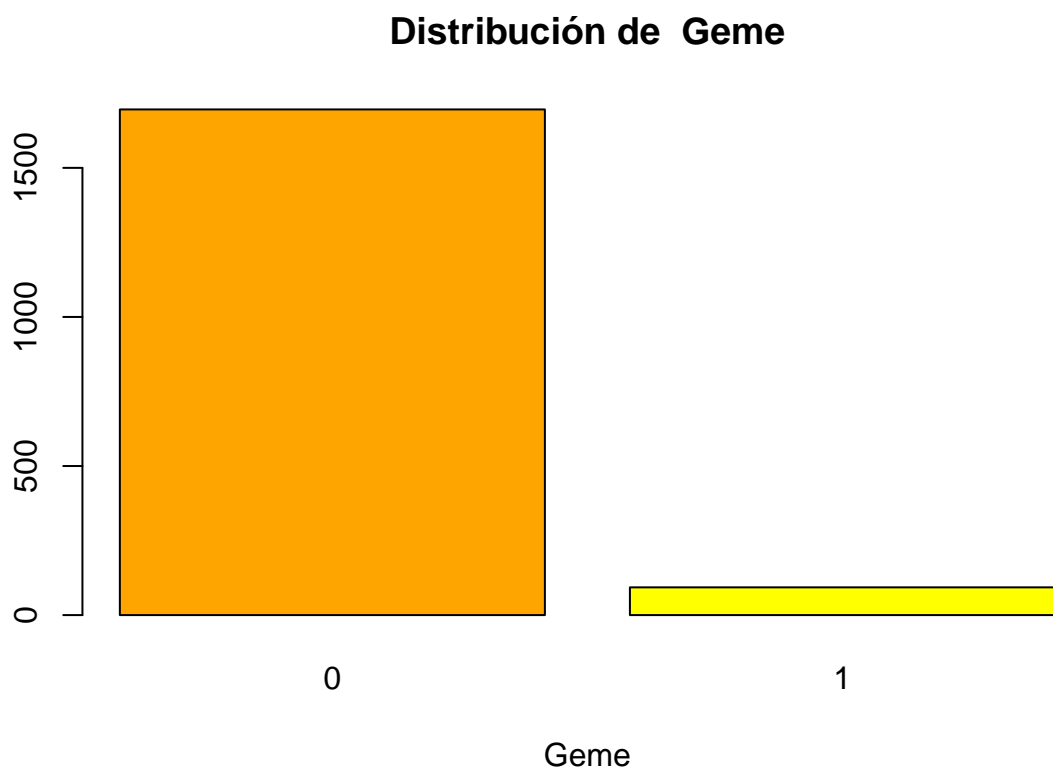
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Distribución de Gemenu
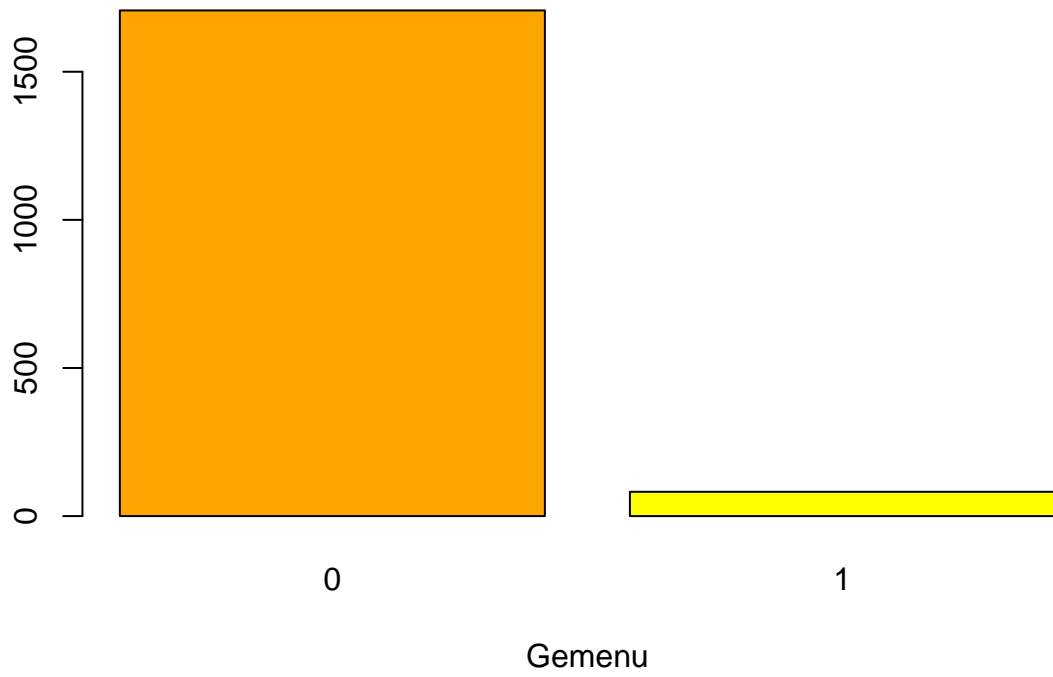
Distribución de Gemeoth

Gemeoth

Distribución de Geso

Geso
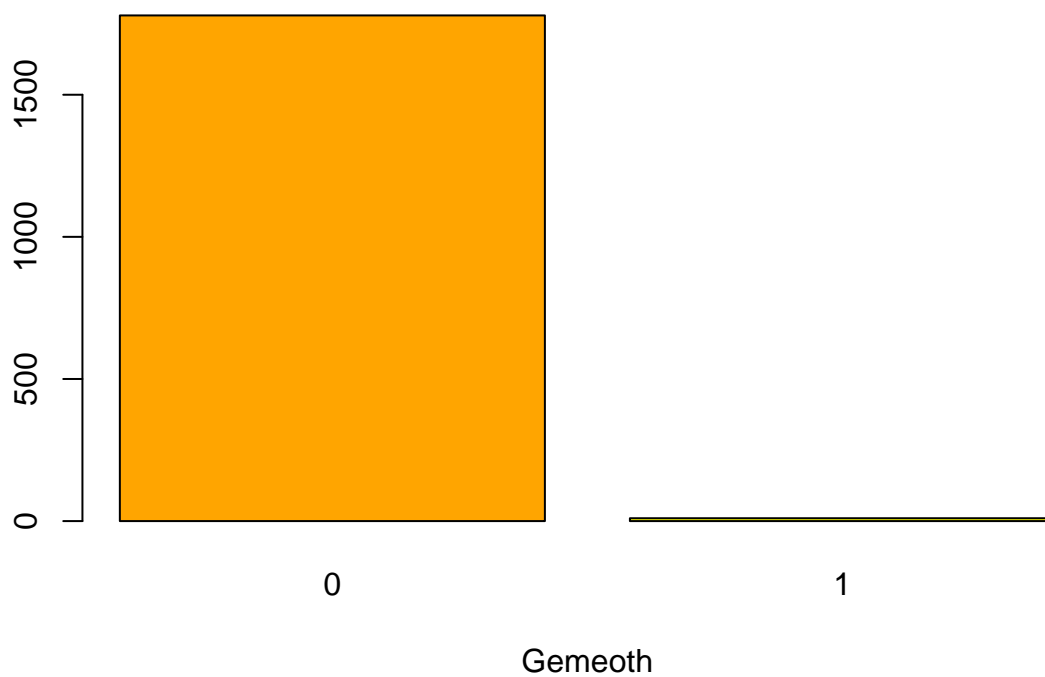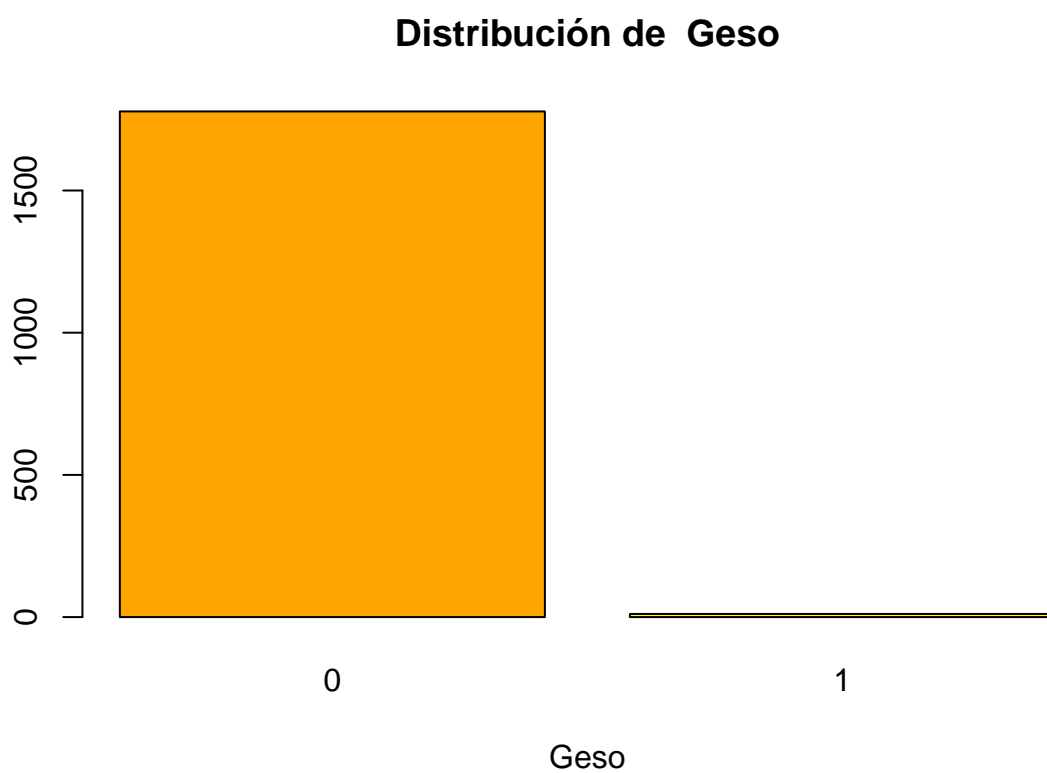
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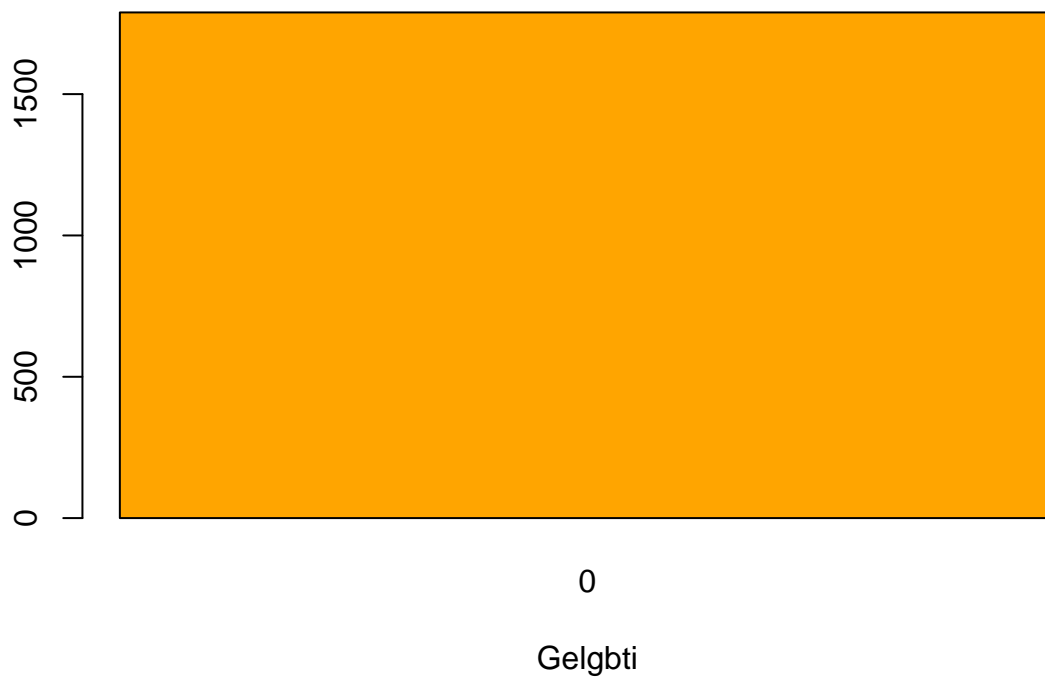
Gelgbti

Distribución de Gelgbtipos

Gelgbtipos
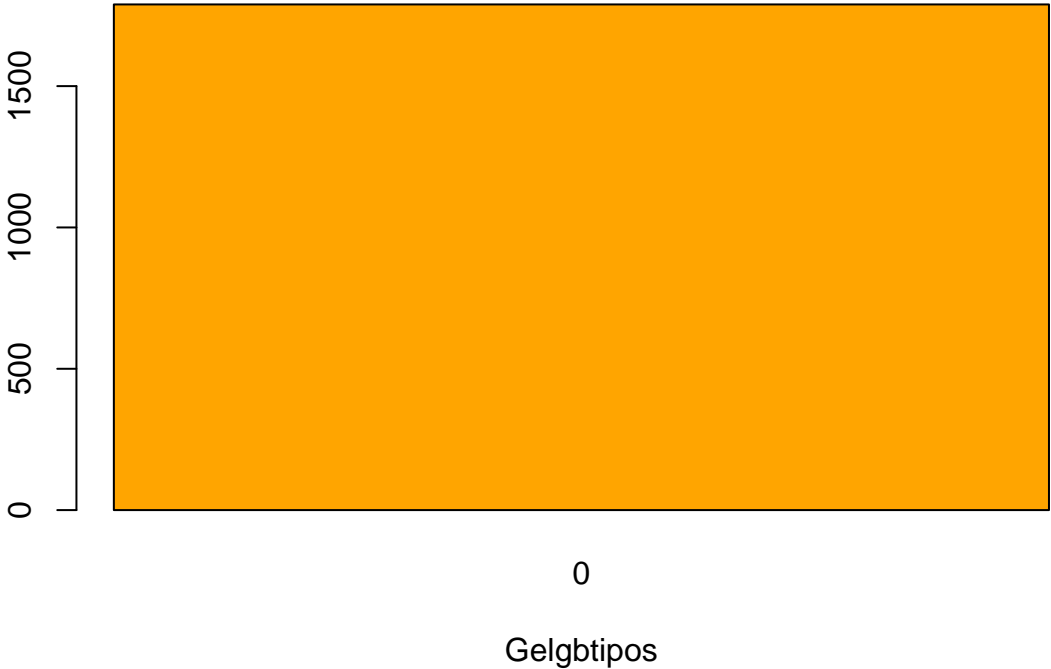
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Gelgbtineg
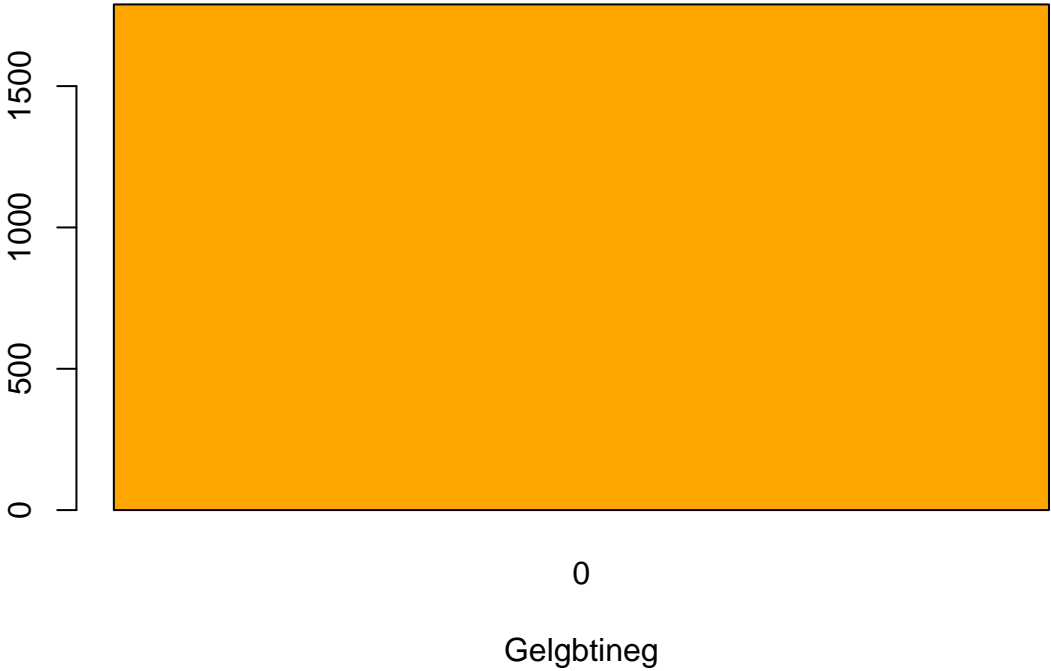
Distribución de Gefa

Gefa

Distribución de Stdef

Stdef

Distribución de Stgen

Stgen

Distribución de Stcon

Stcon
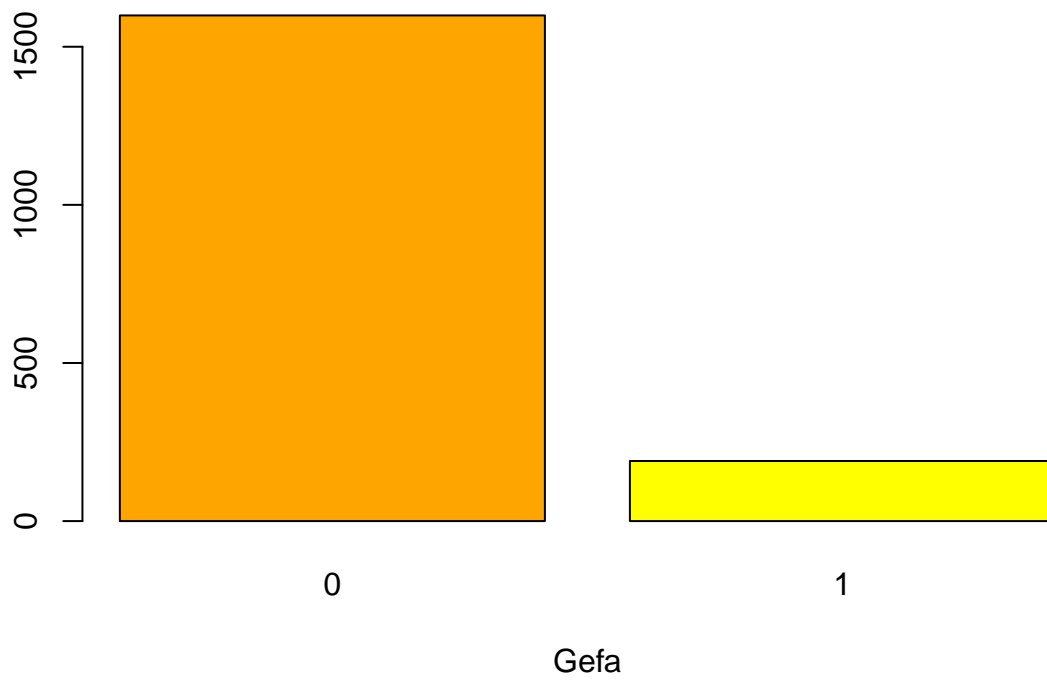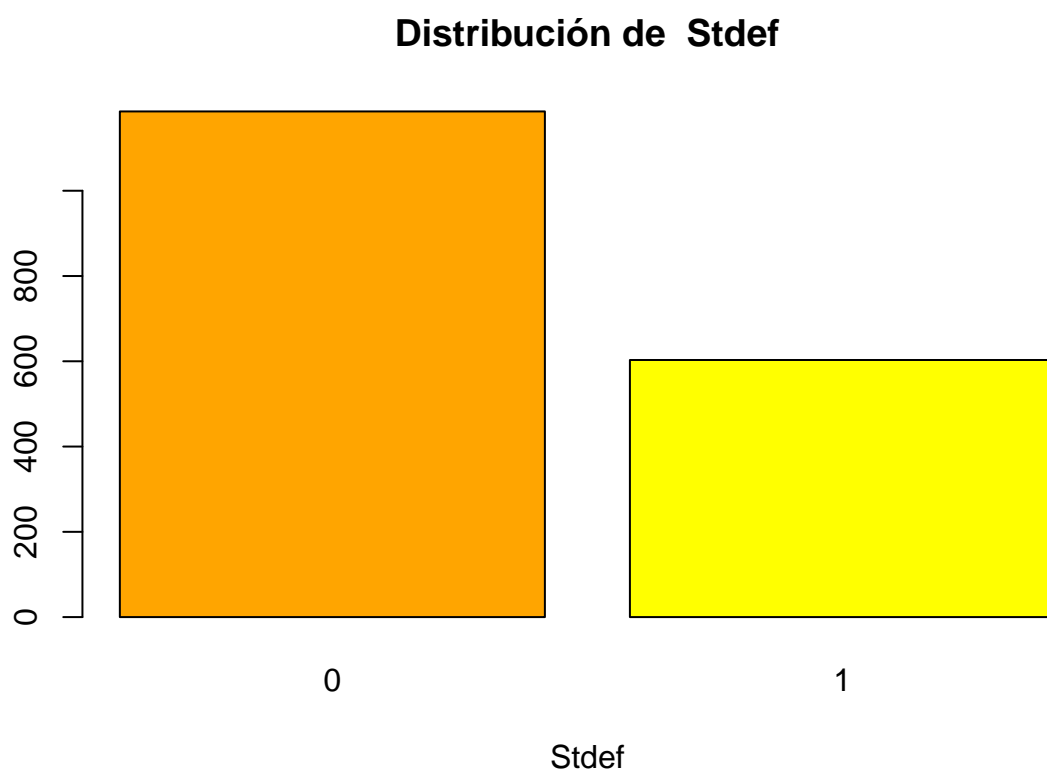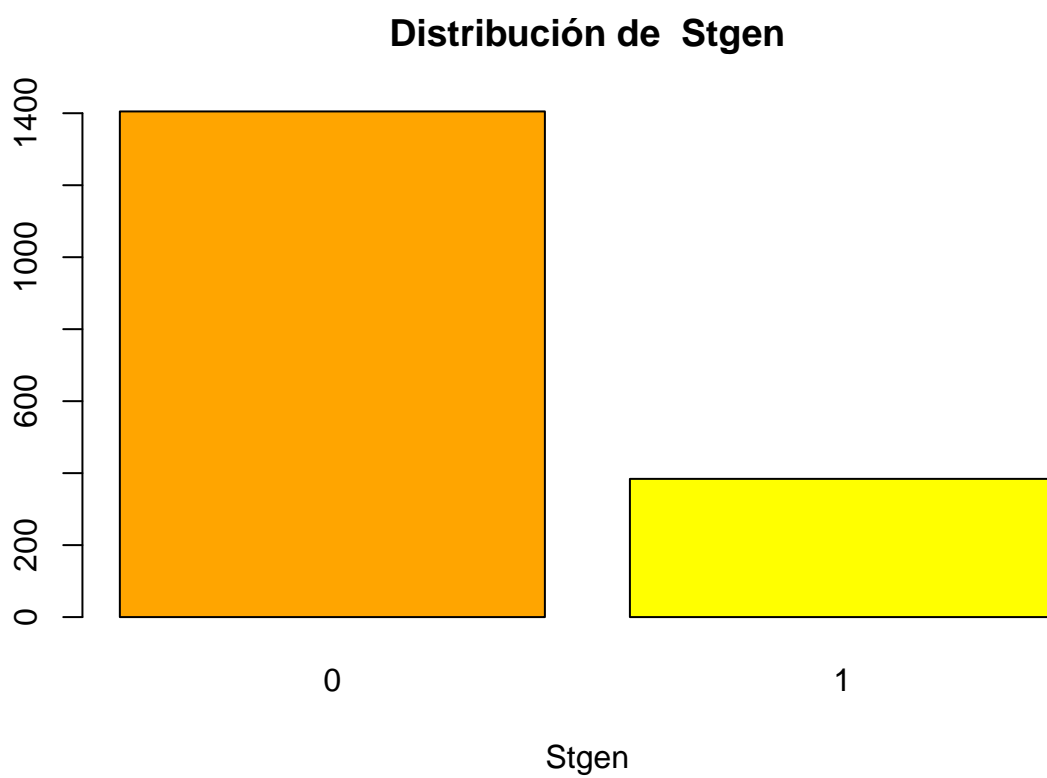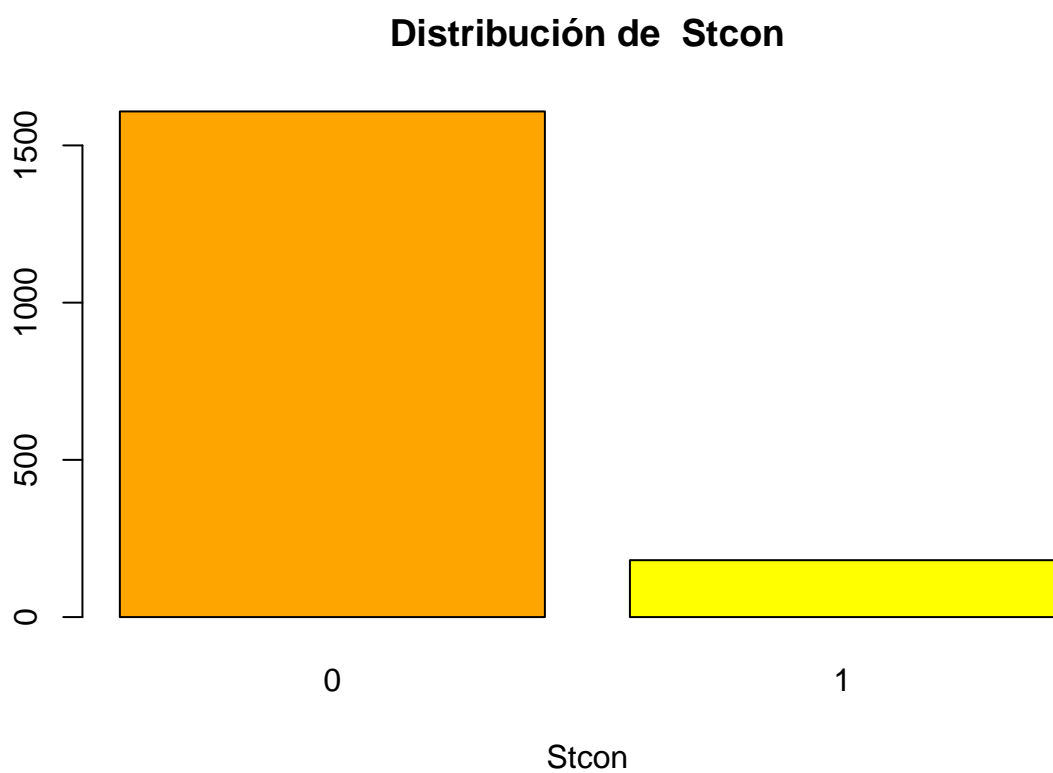
Distribución de Stsd

Stsd

Distribución de Stref

Stref

Distribución de Stsym

Stsym

Distribución de Stind

Stind

Distribución de Stuni

Stuni

Distribución de Stbor

Stbor
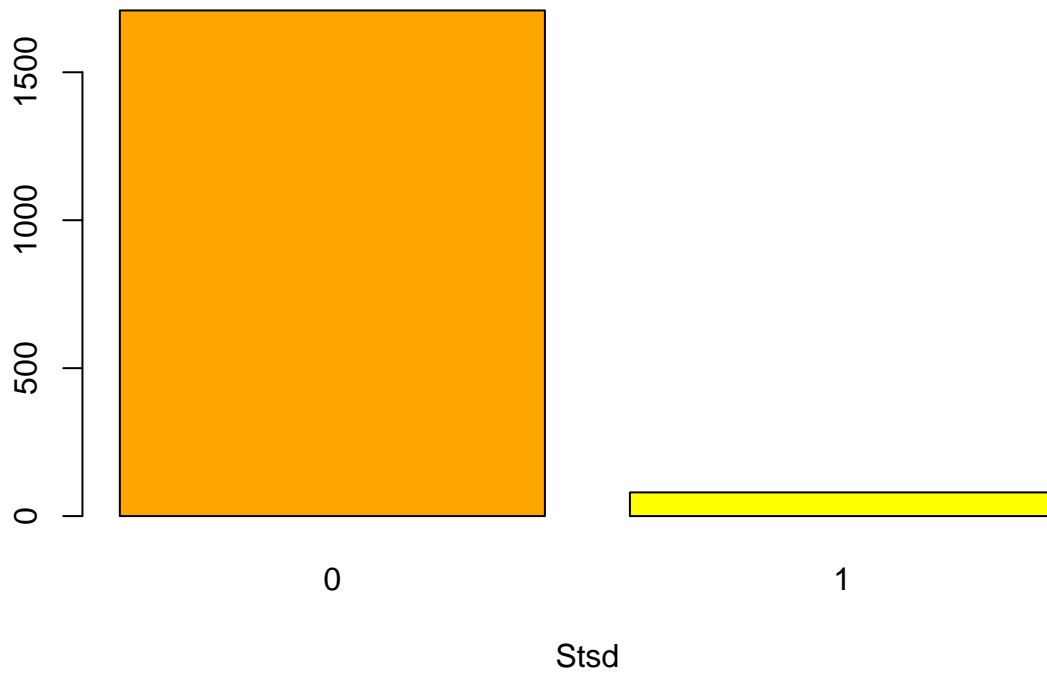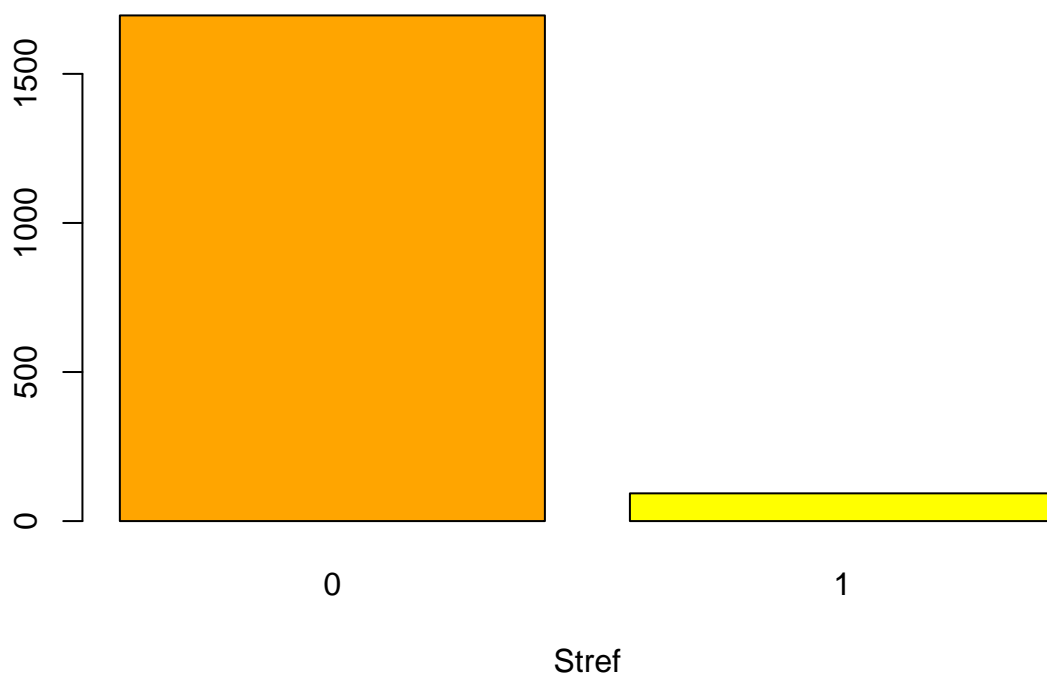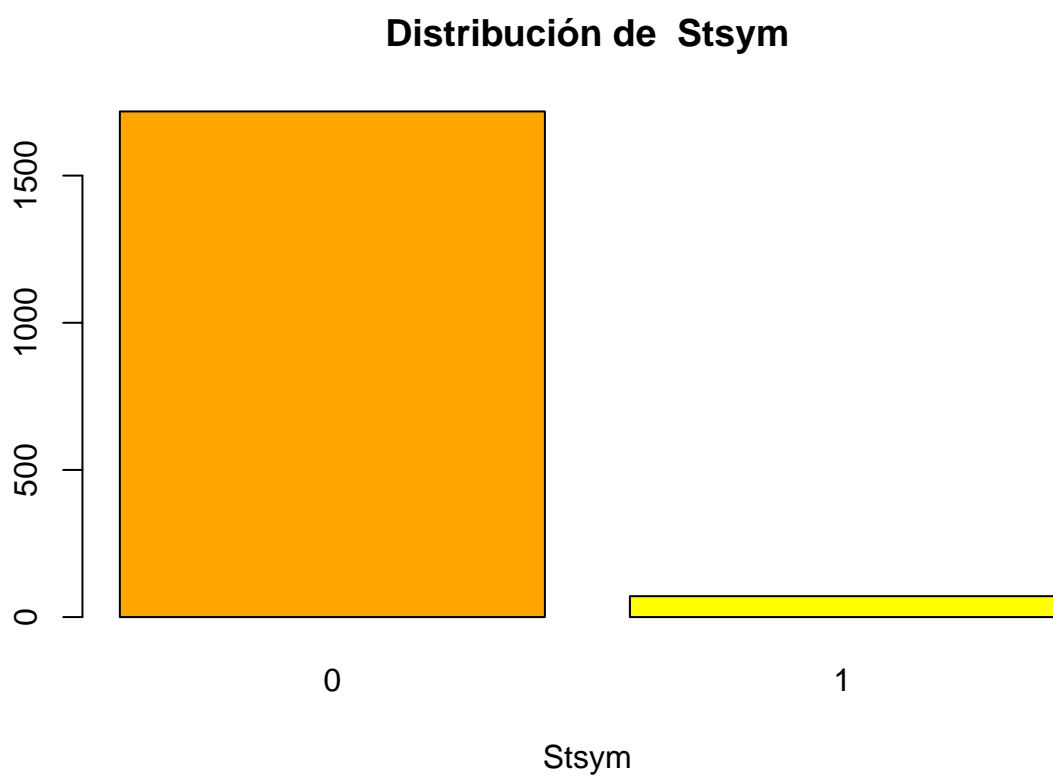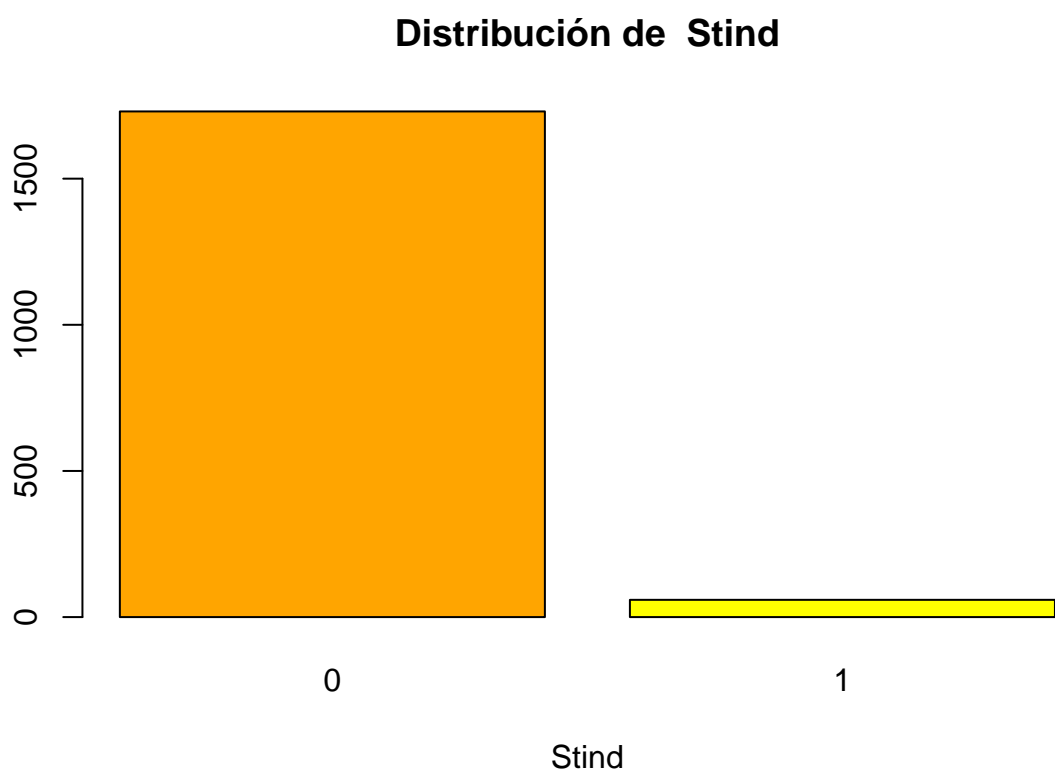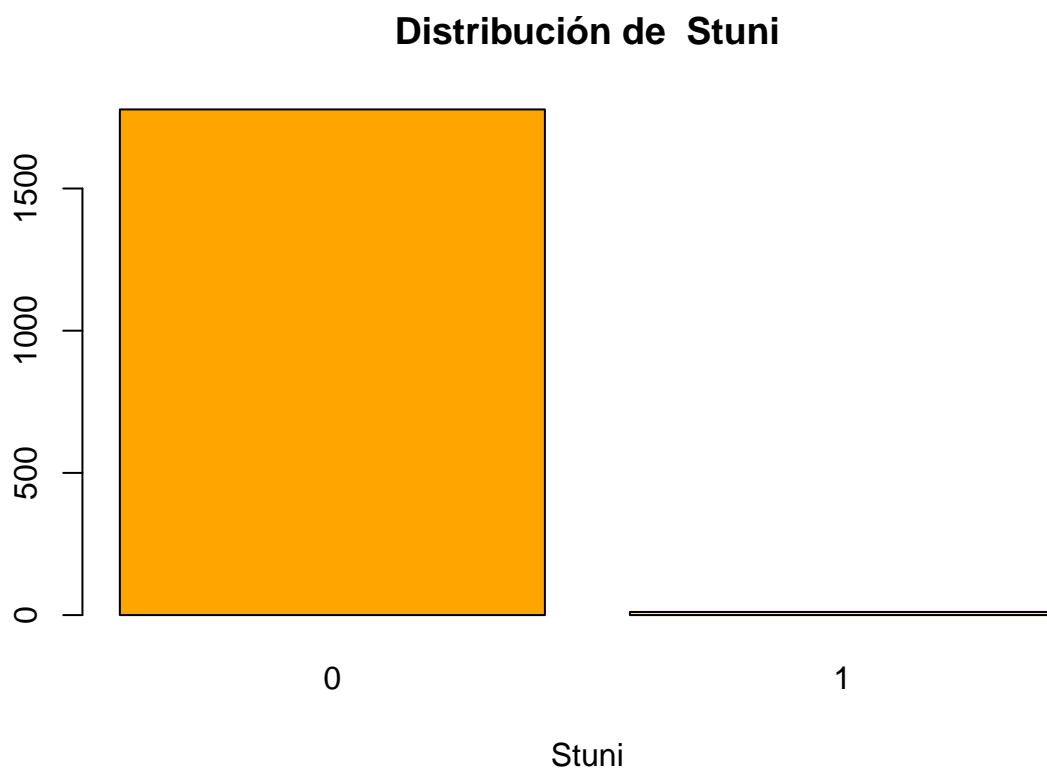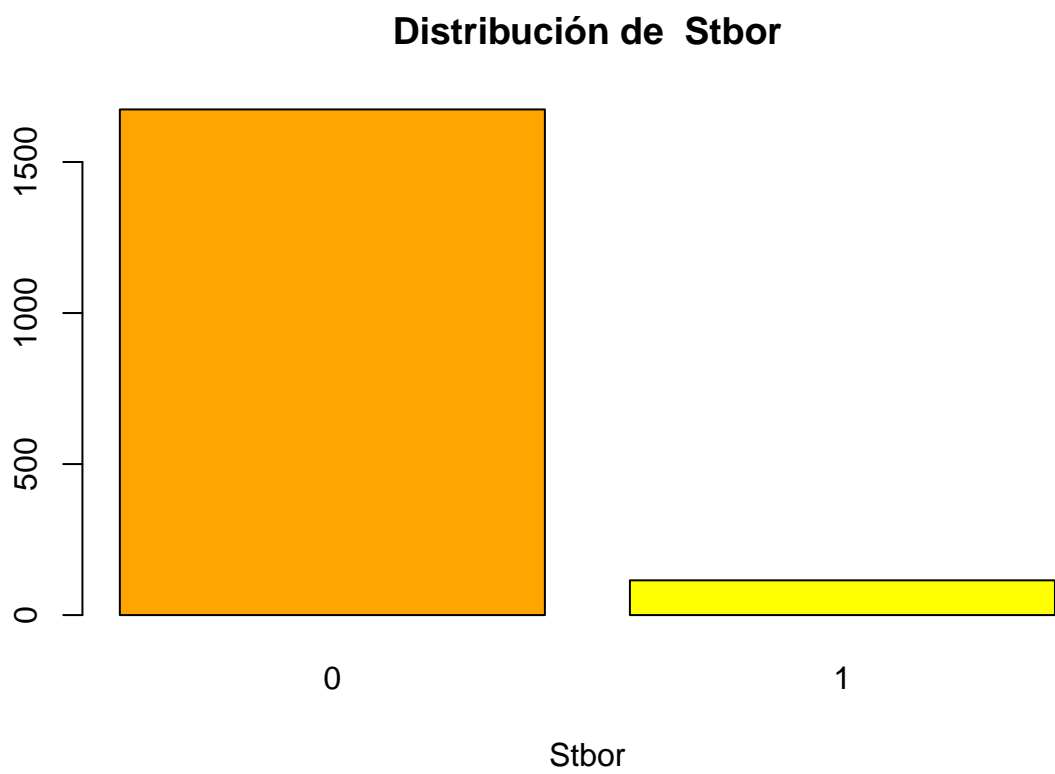
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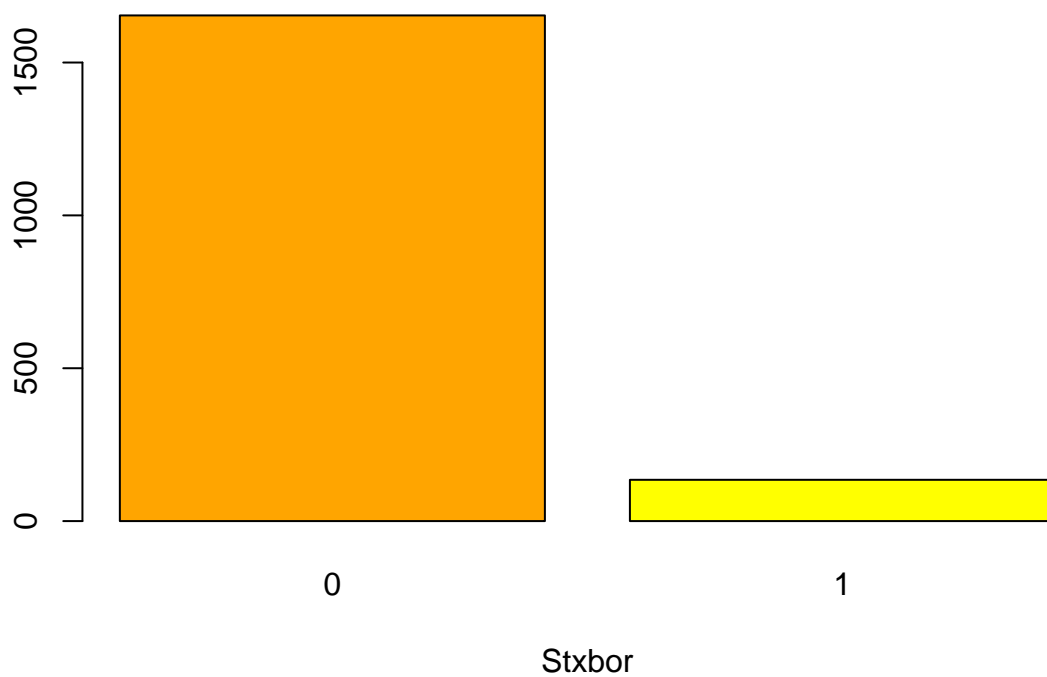
Distribución de Pol

Distribución de Polgen

Polgen
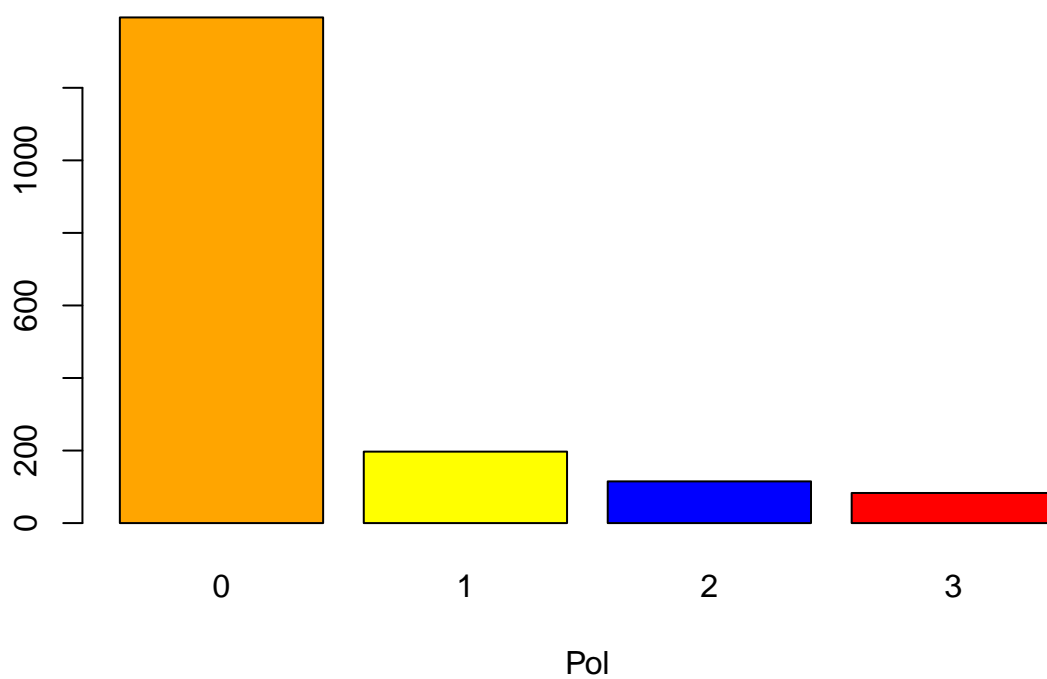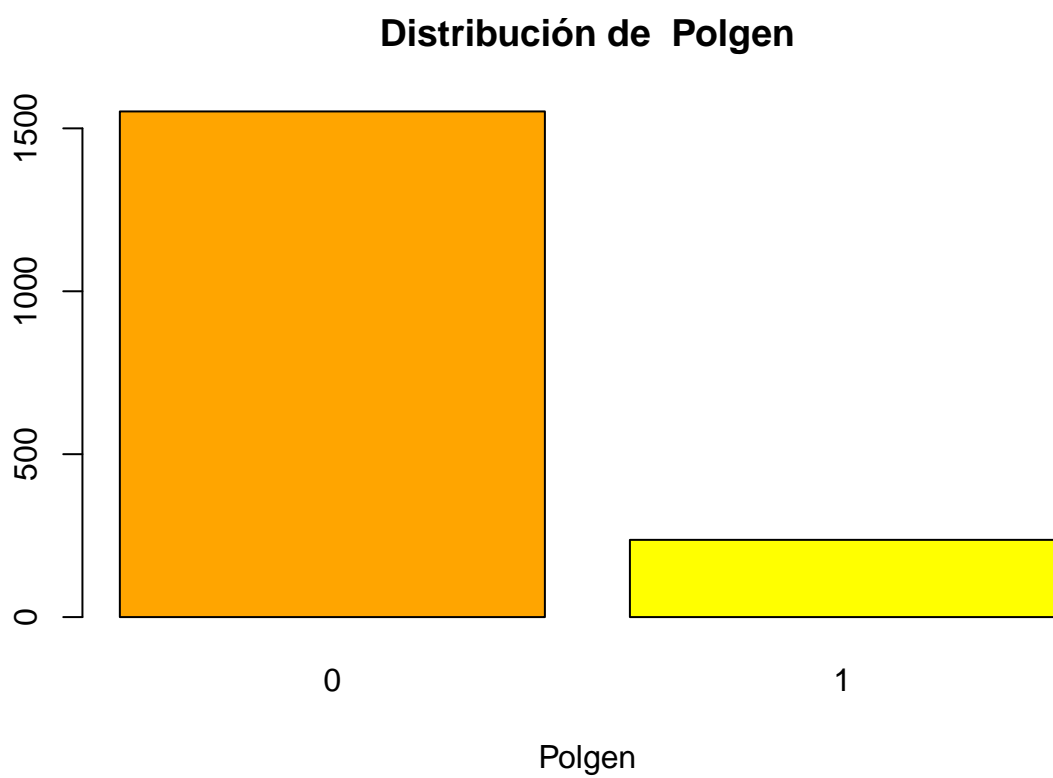
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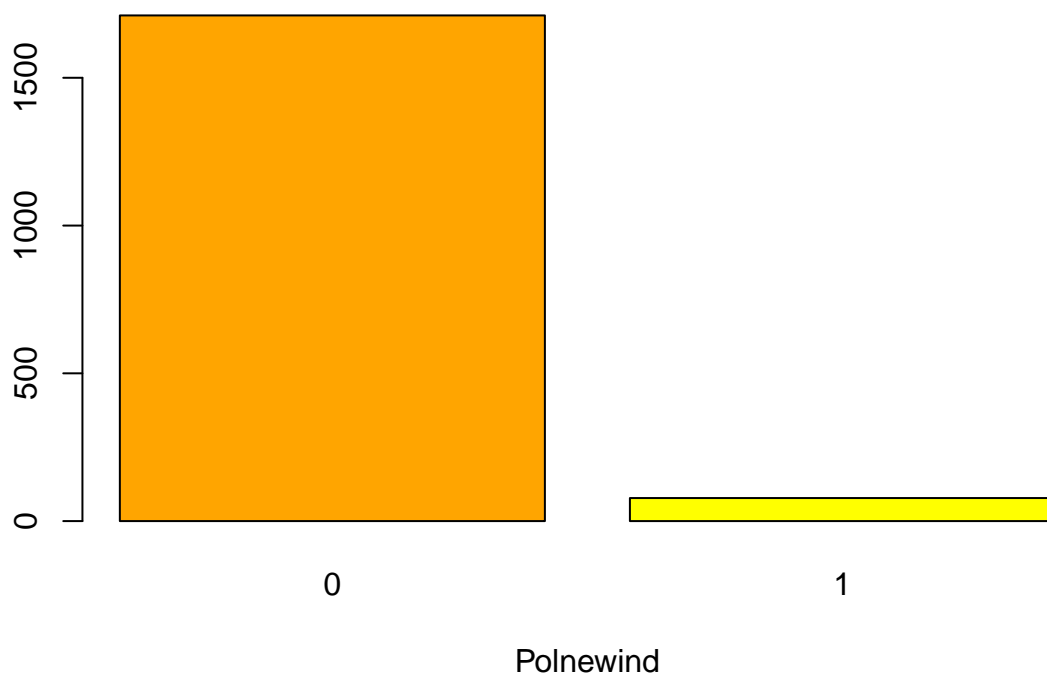
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Polnewtemp
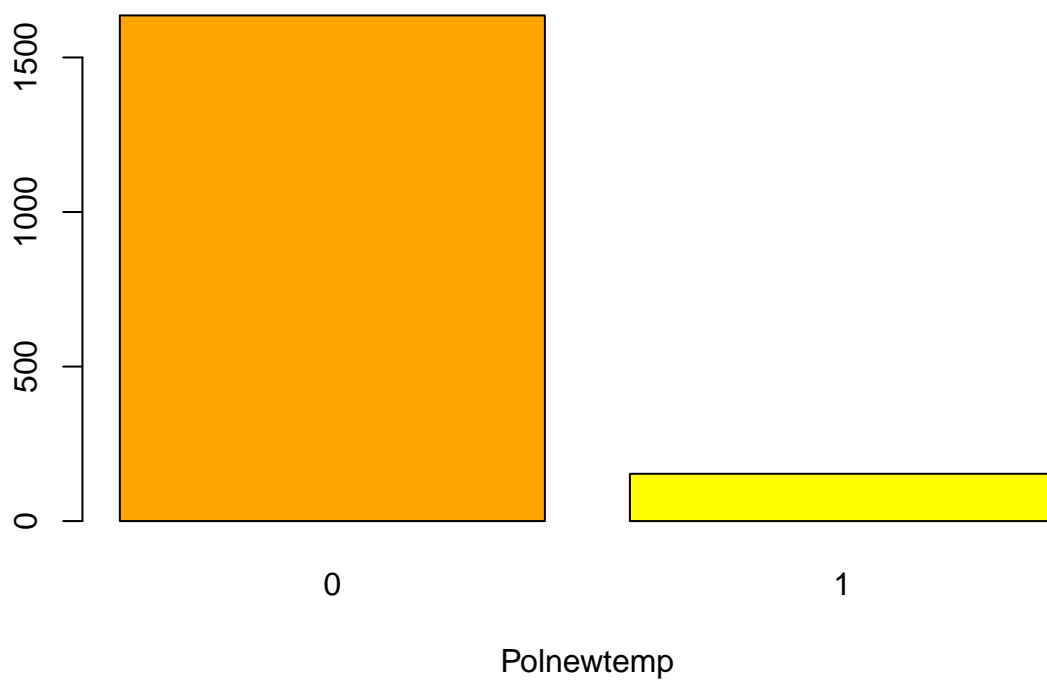
Distribución de Conren

Conren

Distribución de Cons

Distribución de Ele

Ele
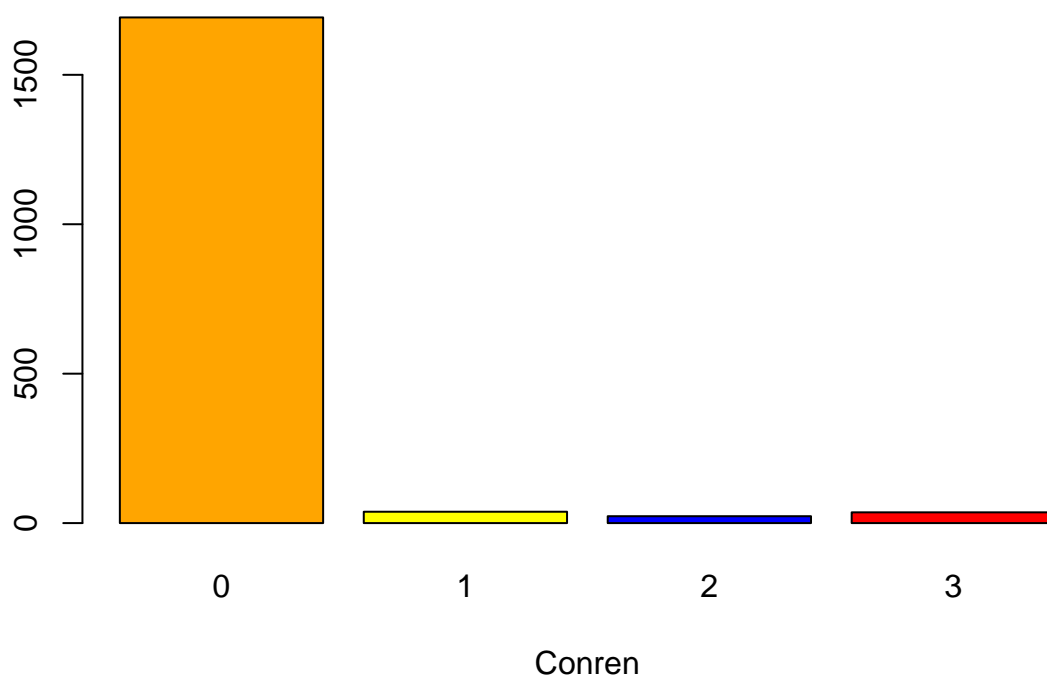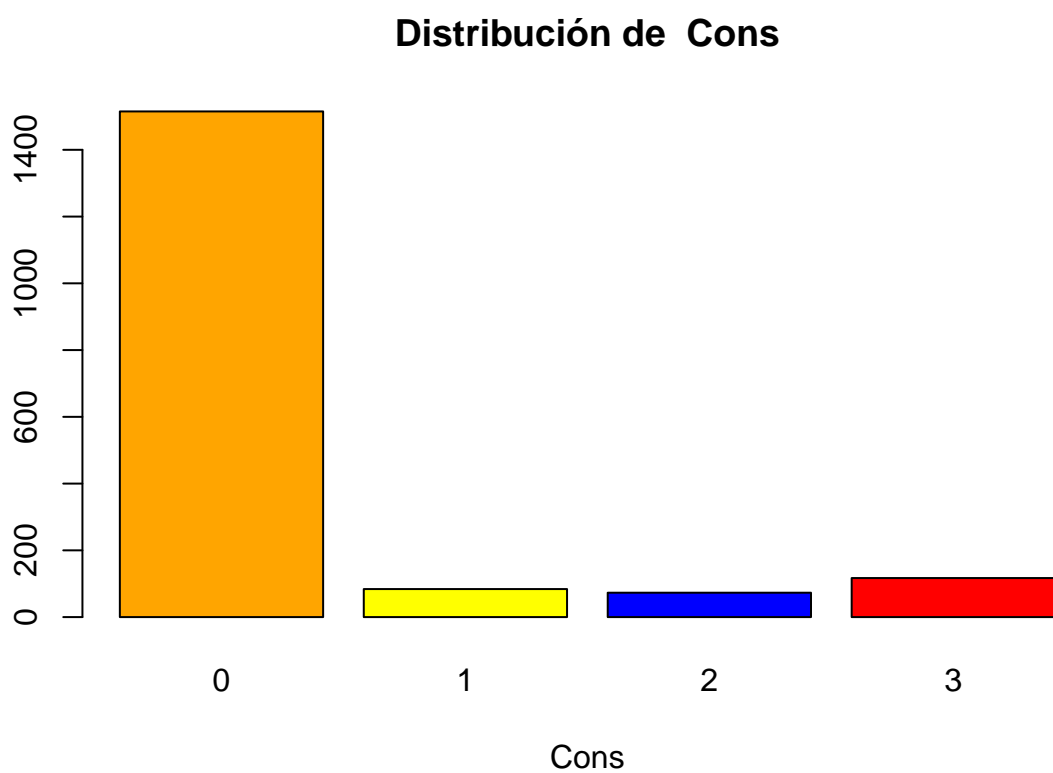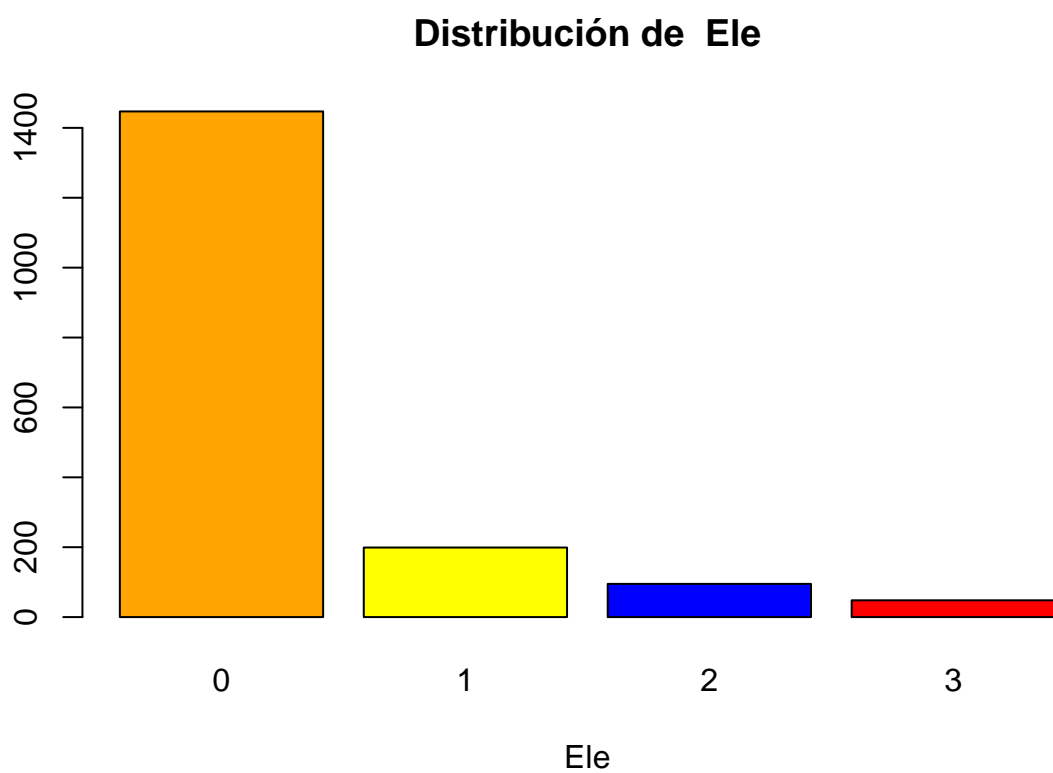
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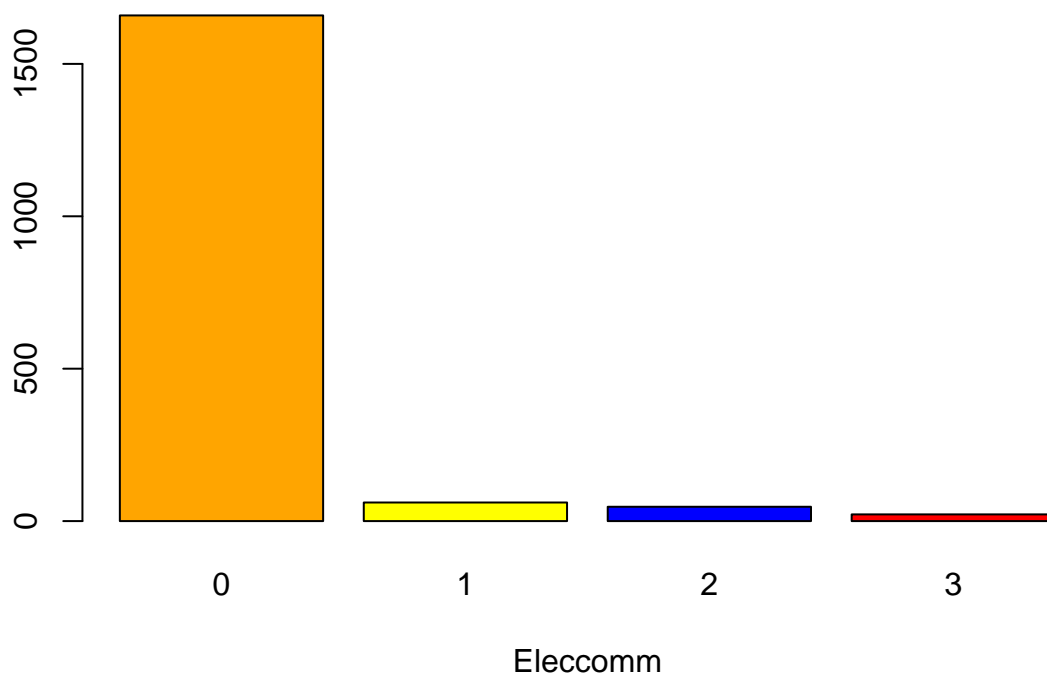
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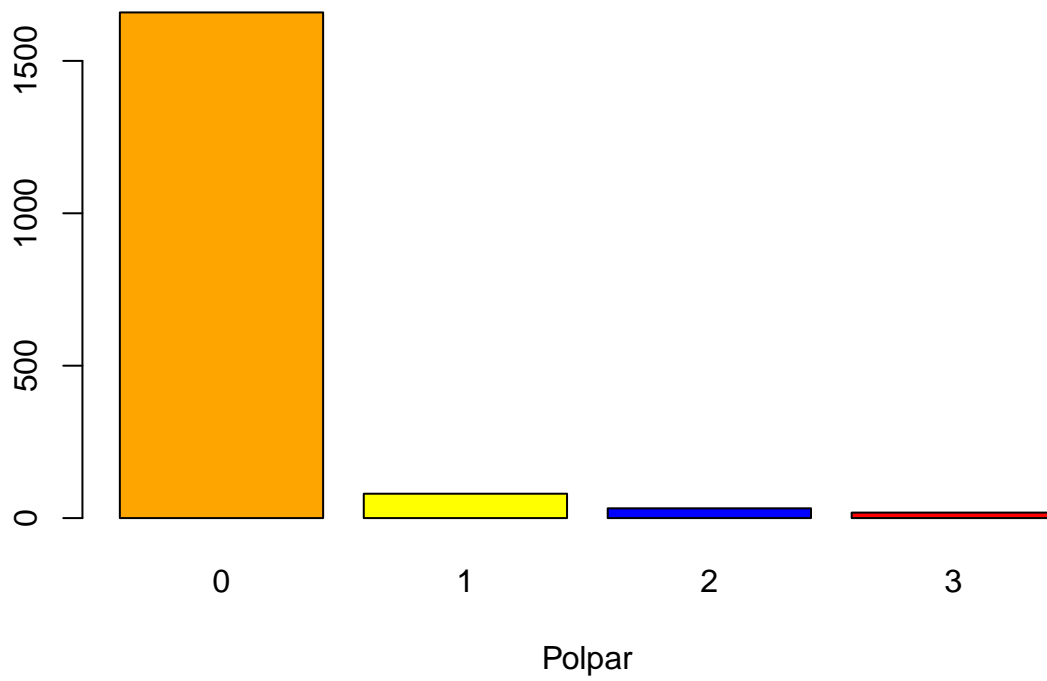
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Distribución de Polpartrans

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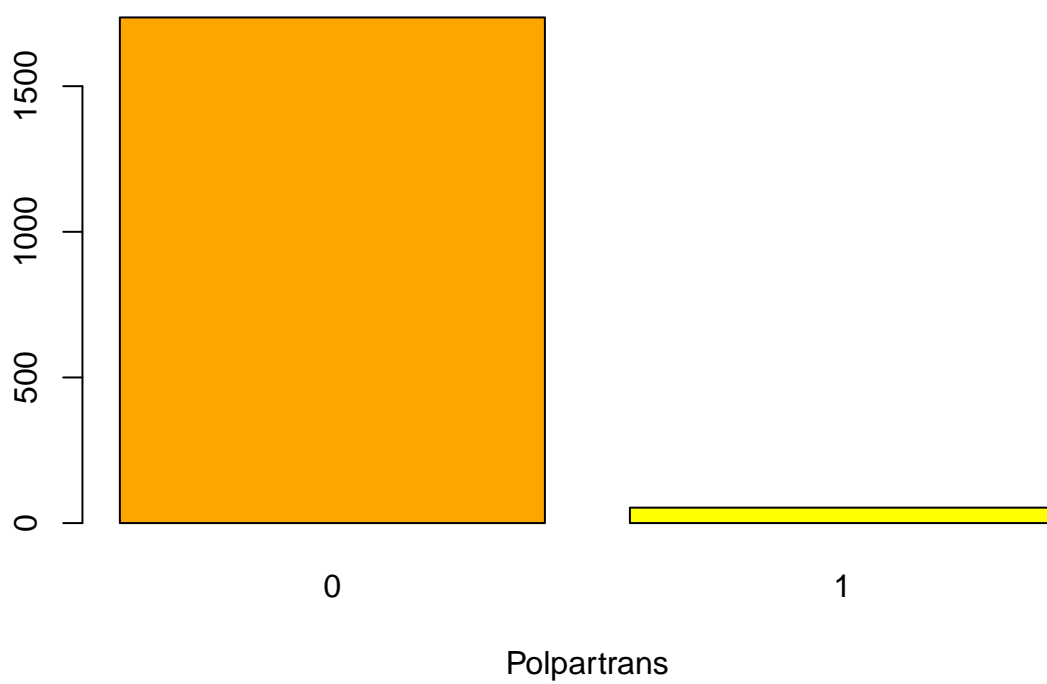
Distribución de Polparoth

Polparoth

Distribución de Civso

Civso

Distribución de Tral

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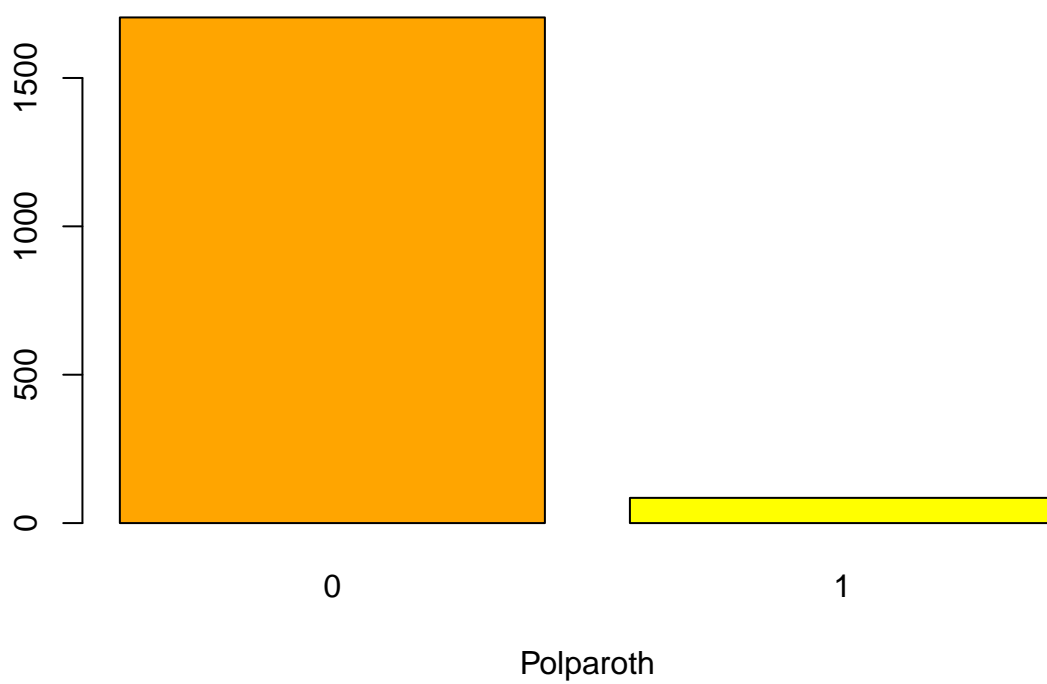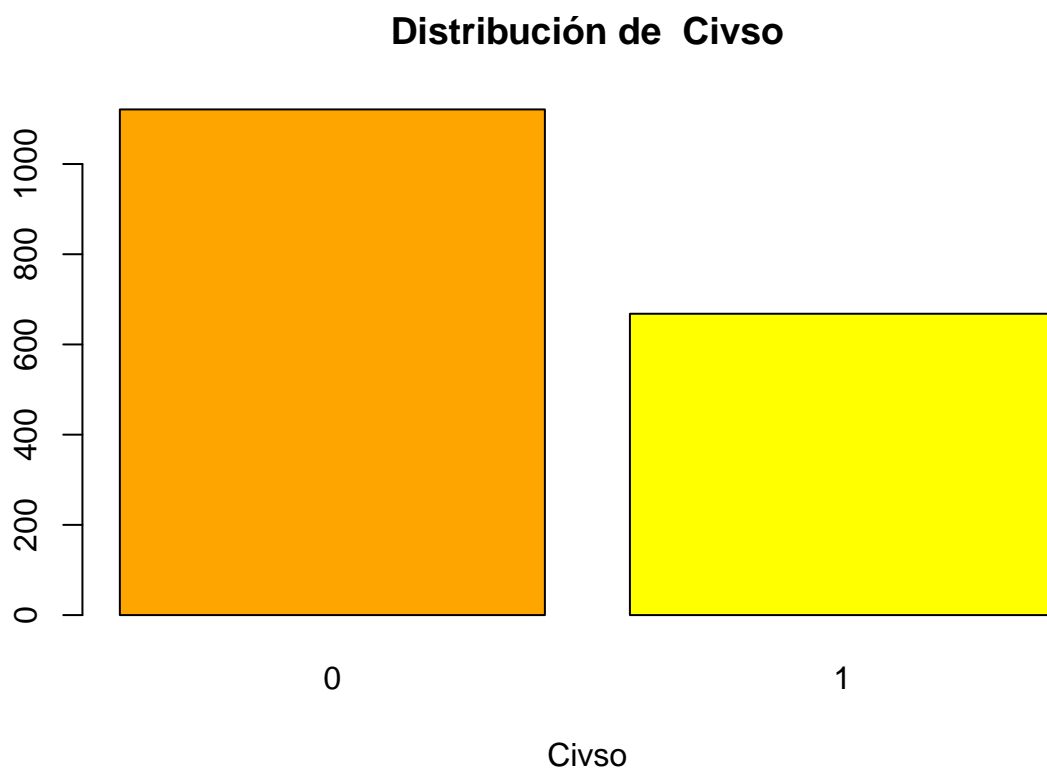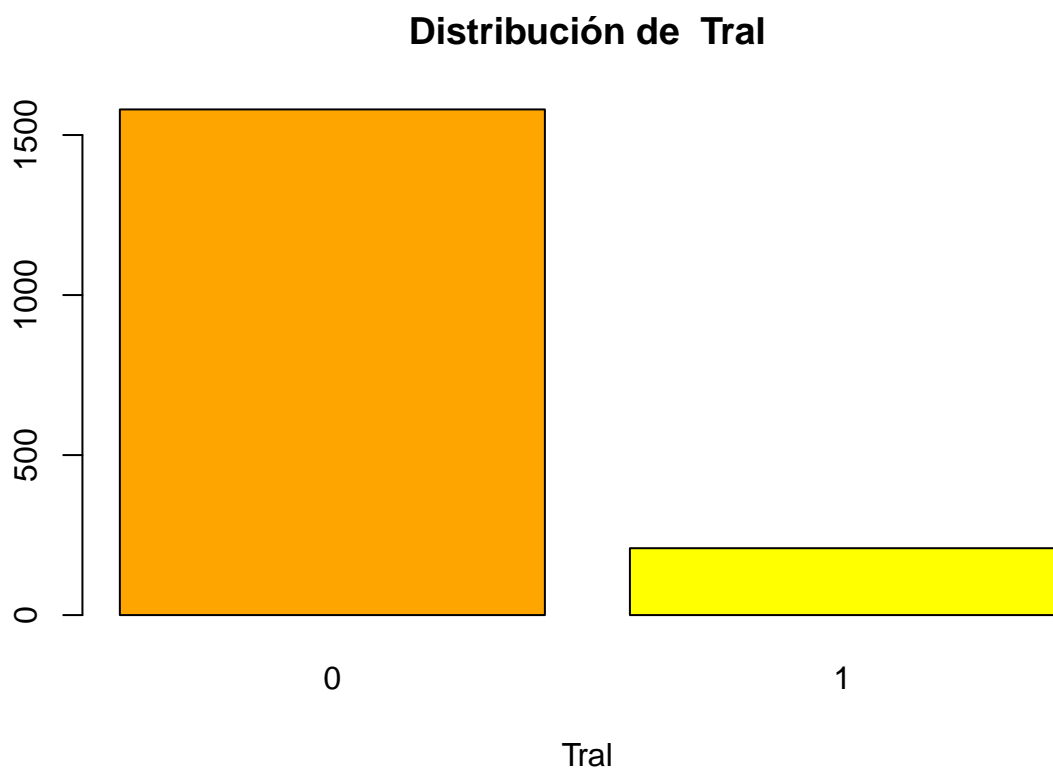
Distribución de Pubad

Pubad

Distribución de Polps

Polps

Distribución de Ppsst

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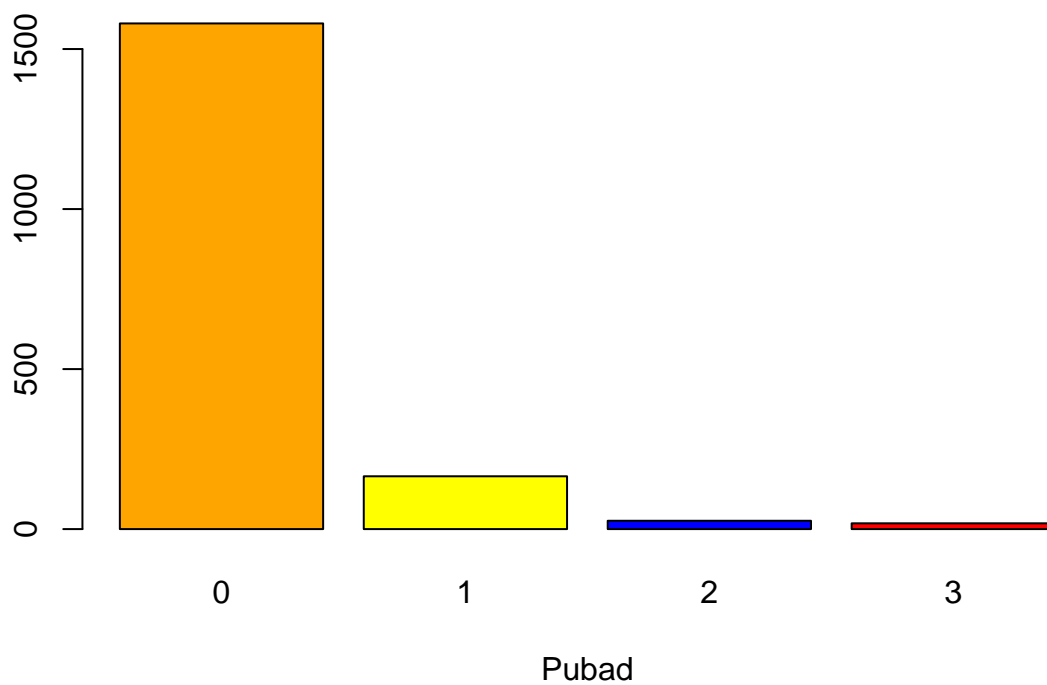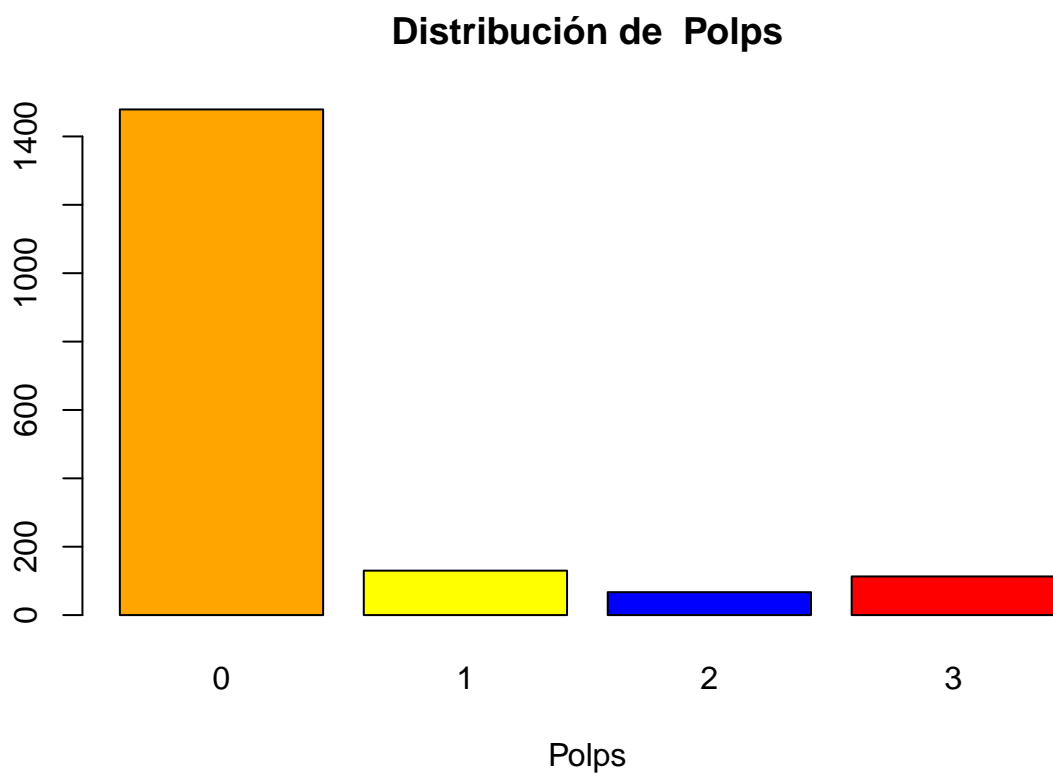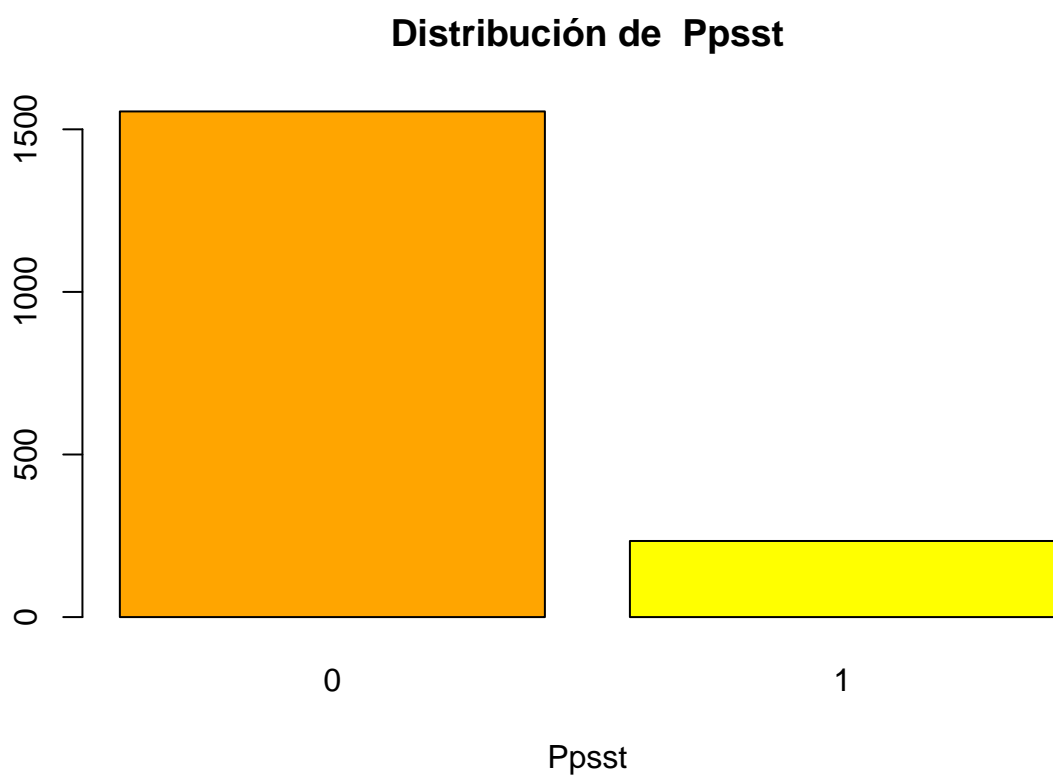
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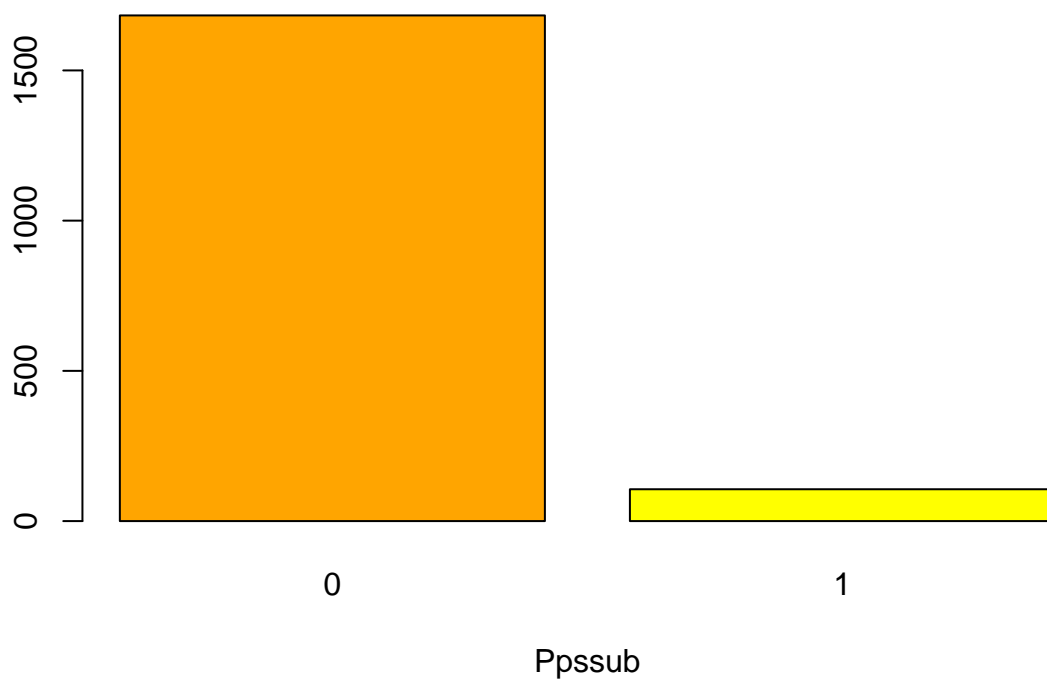
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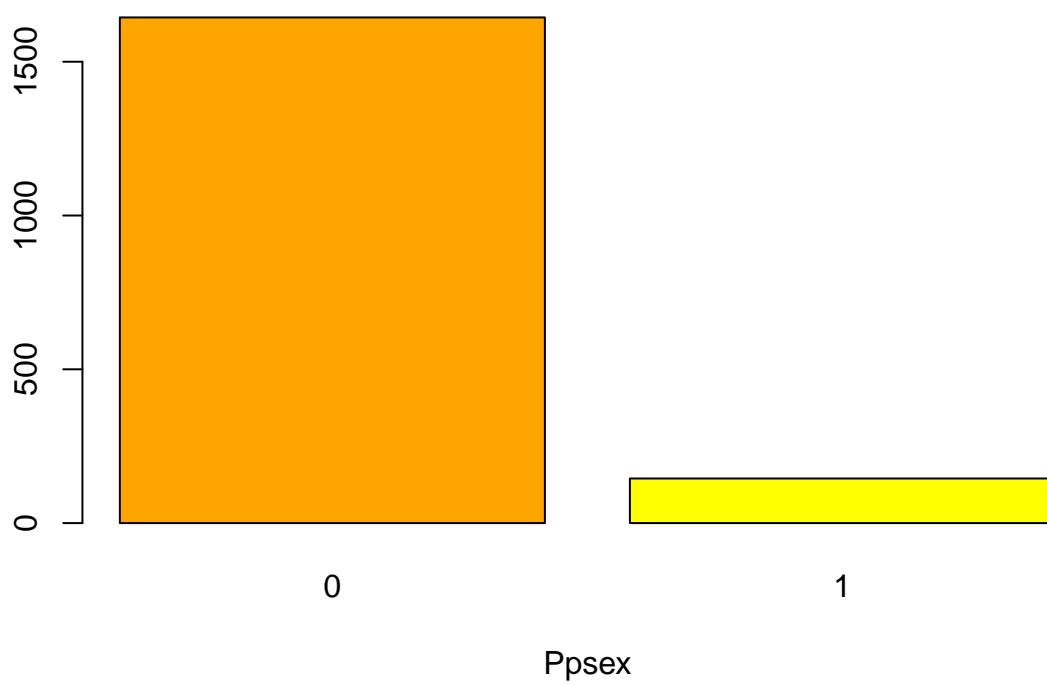
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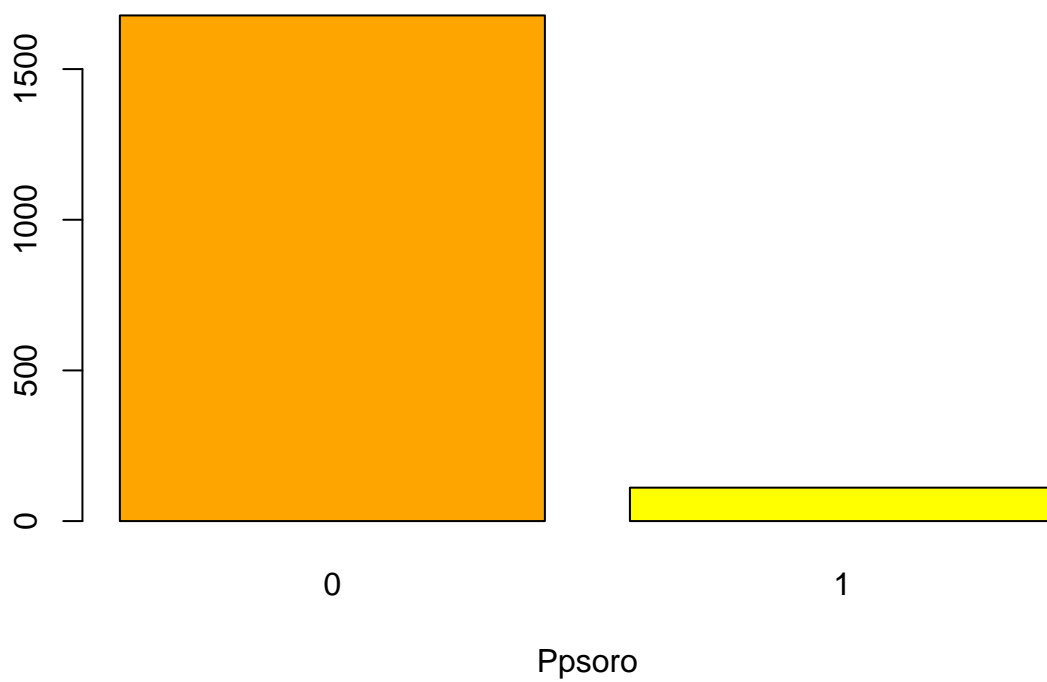
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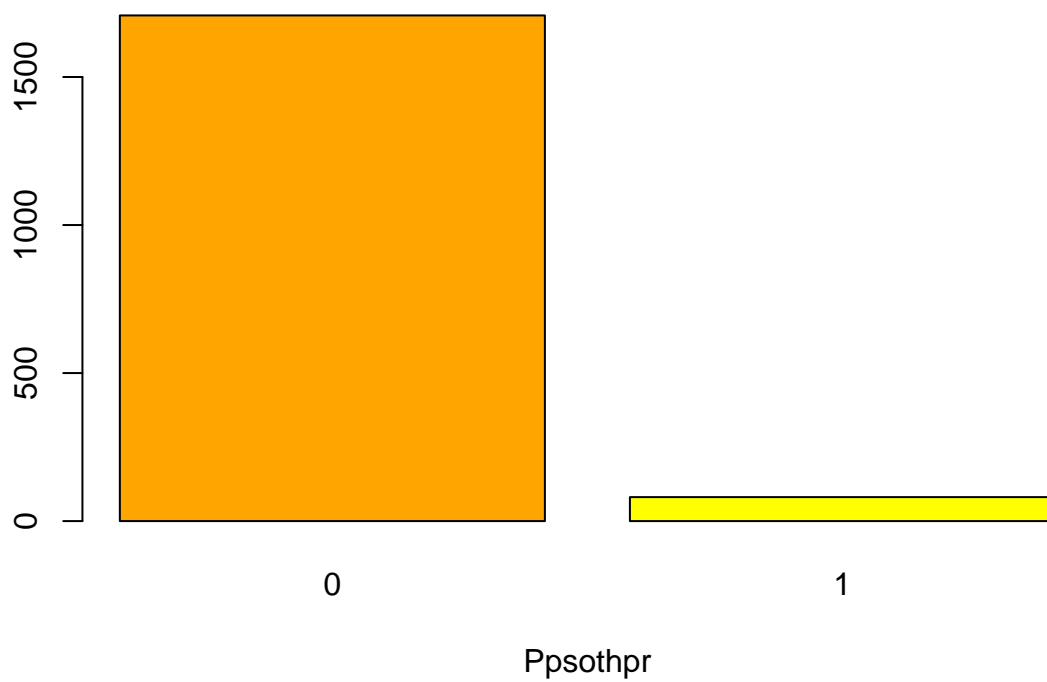
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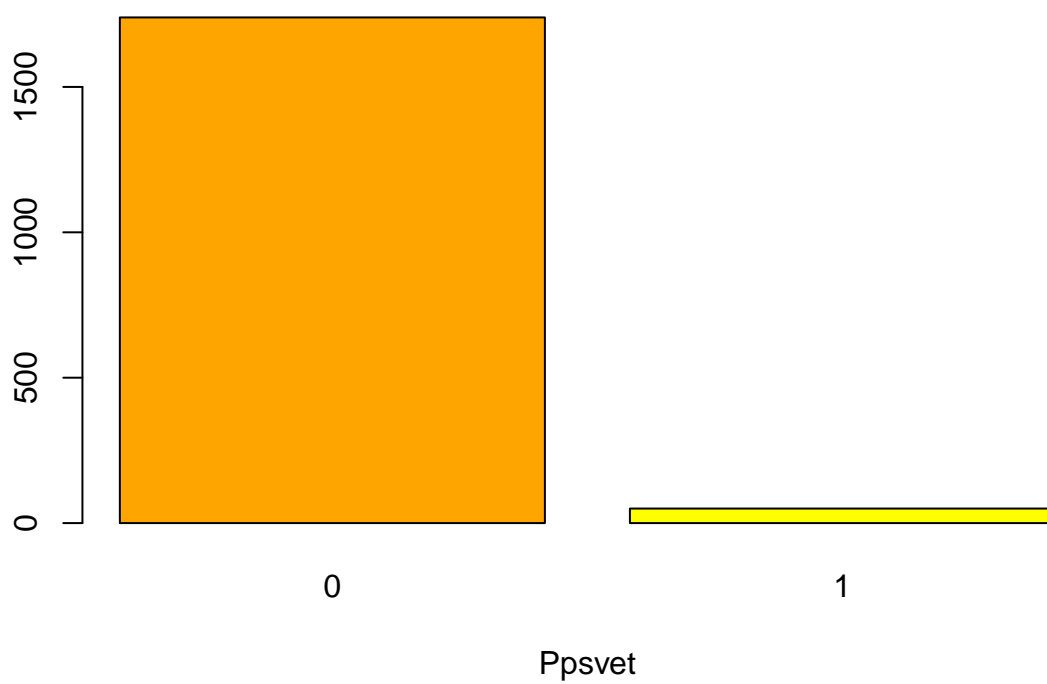
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Distribución de Ppsint

Ppsint

Distribución de Ppsoth

Ppsoth

Distribución de Terps

Terps
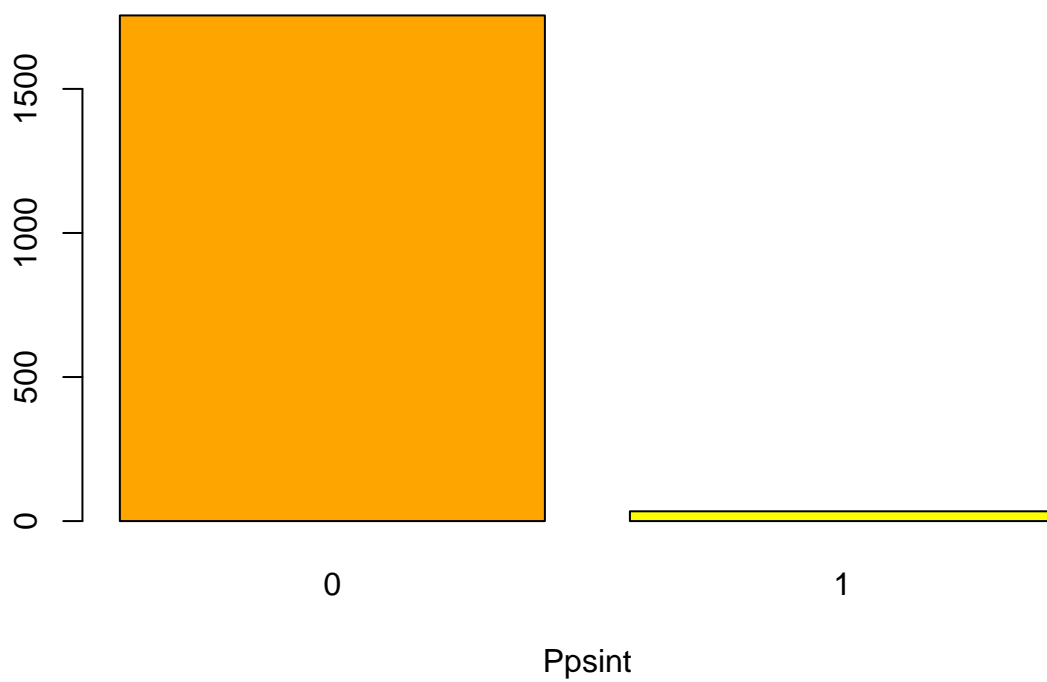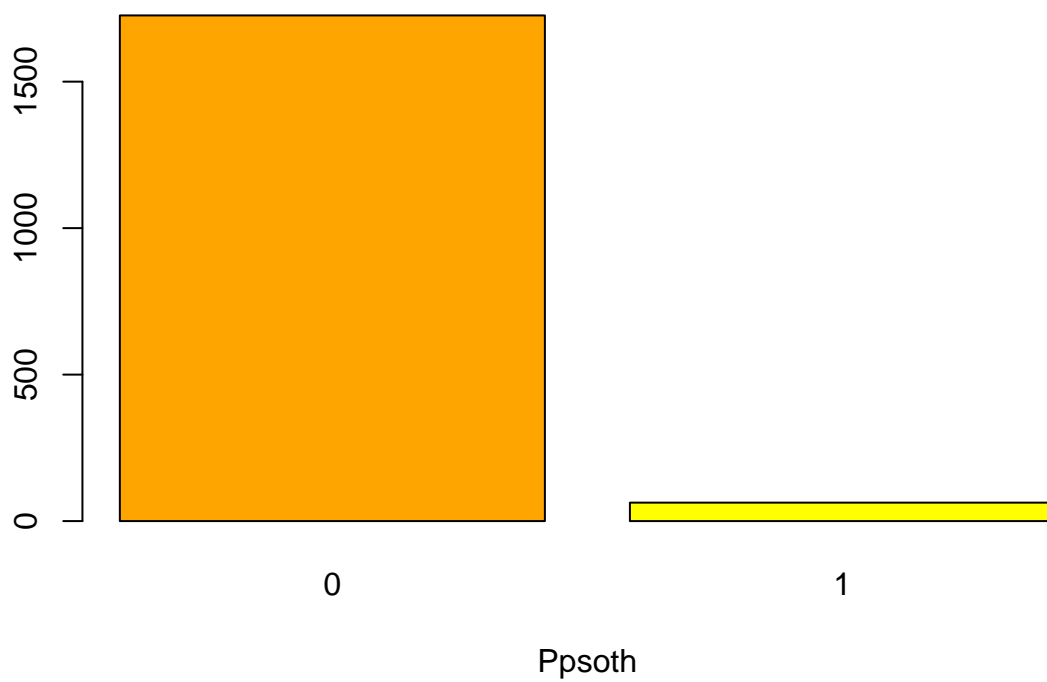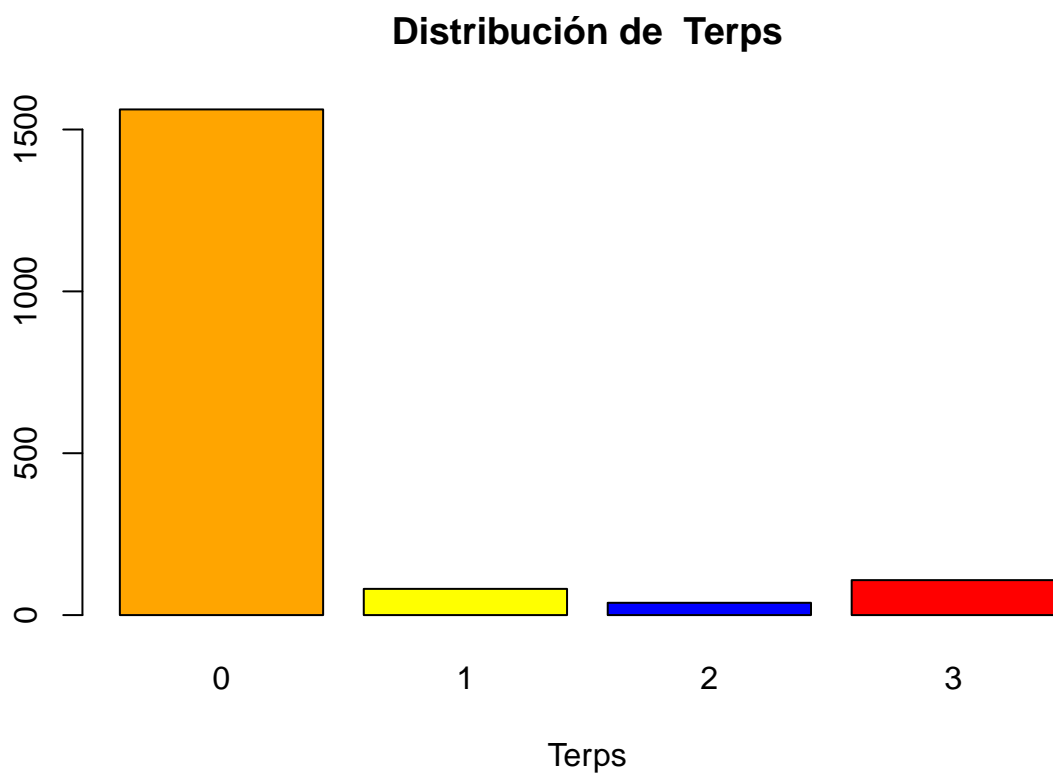
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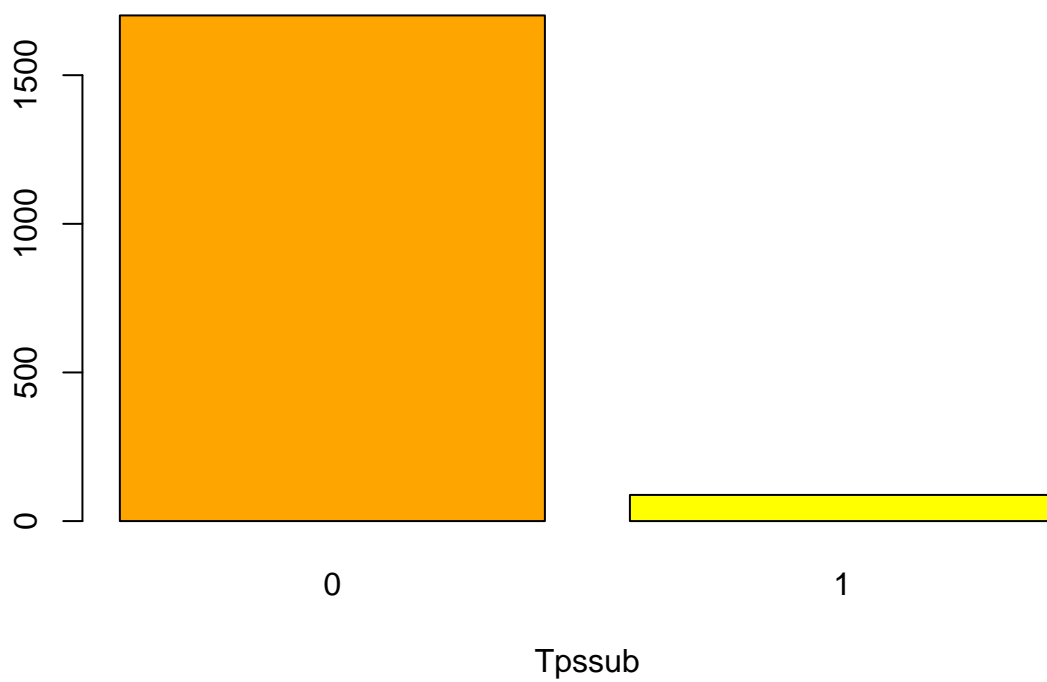
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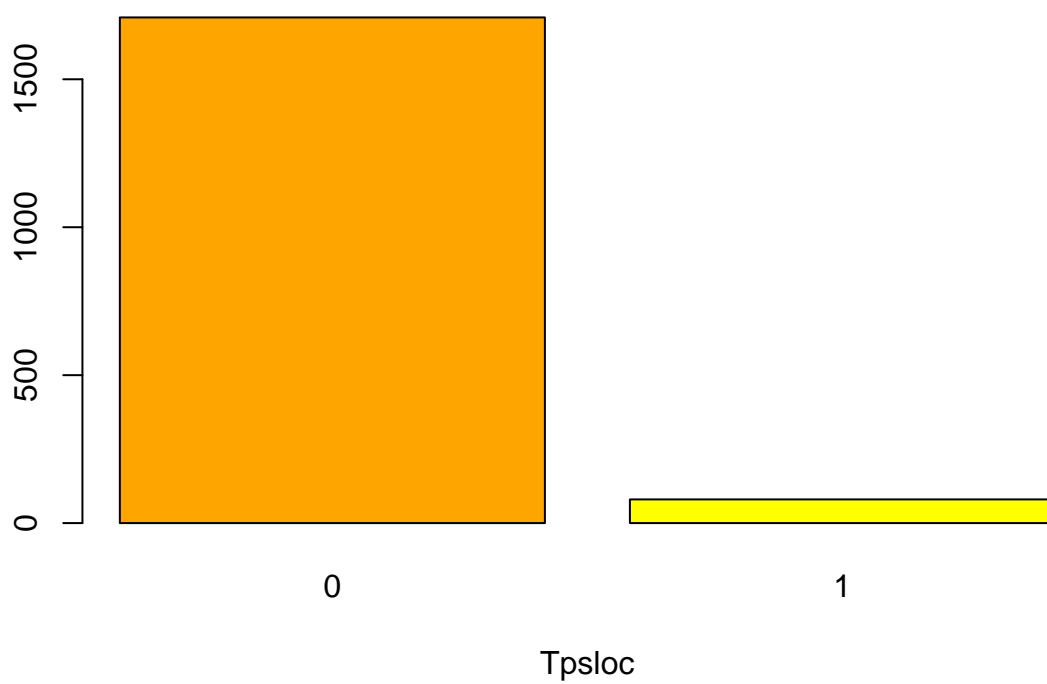
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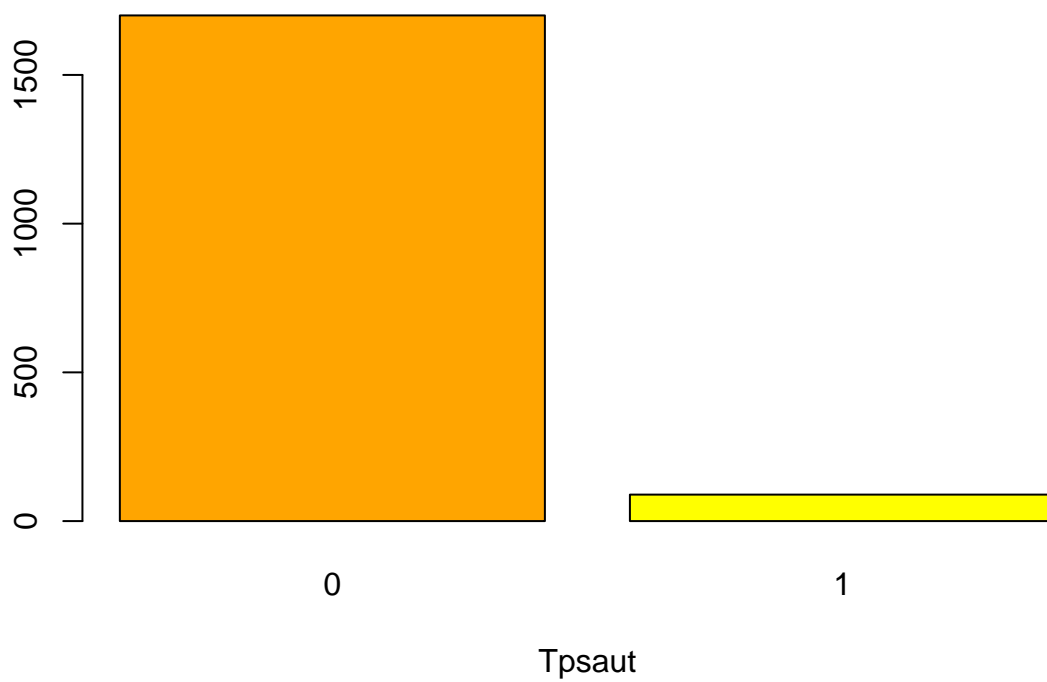
Distribución de Tpsoth

Tpsoth

Distribución de Eps
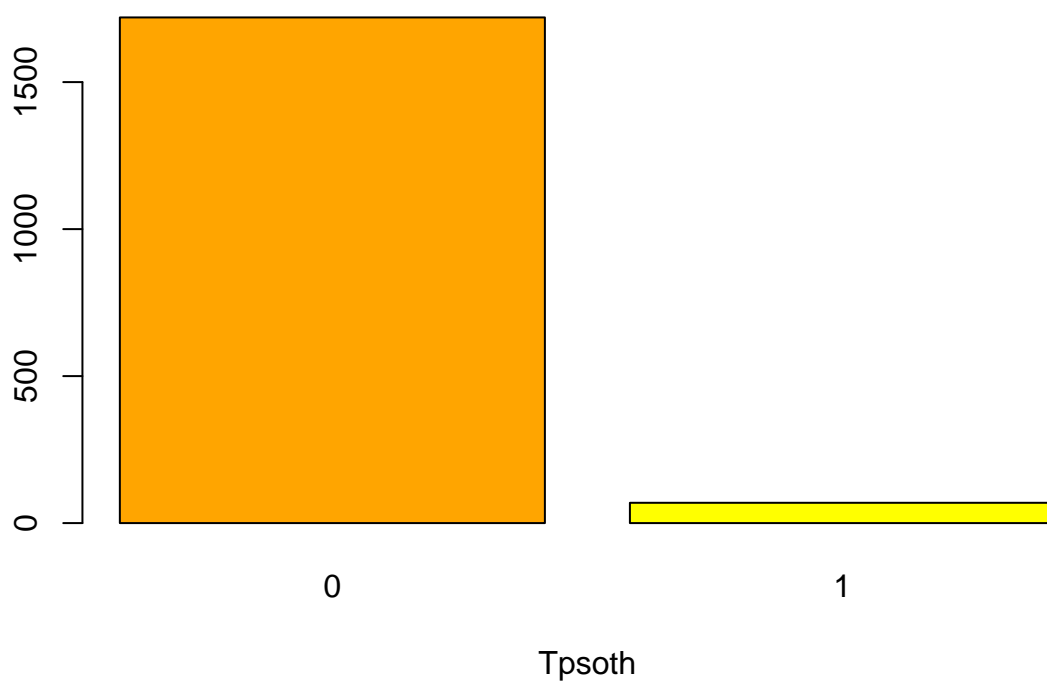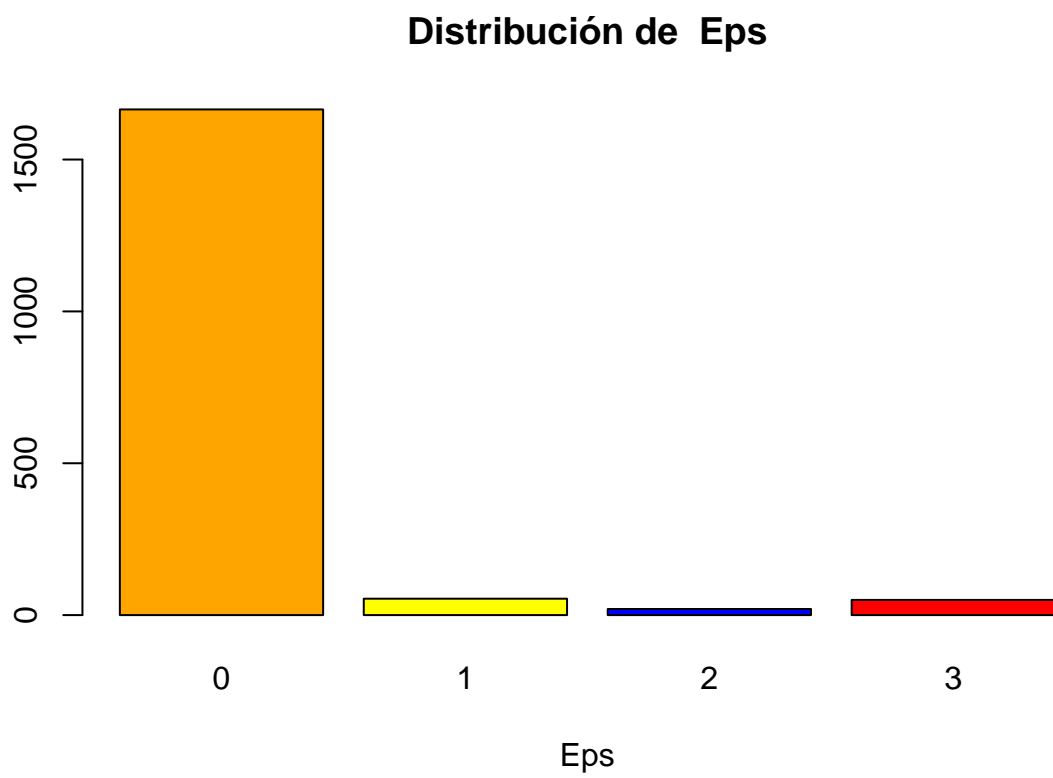
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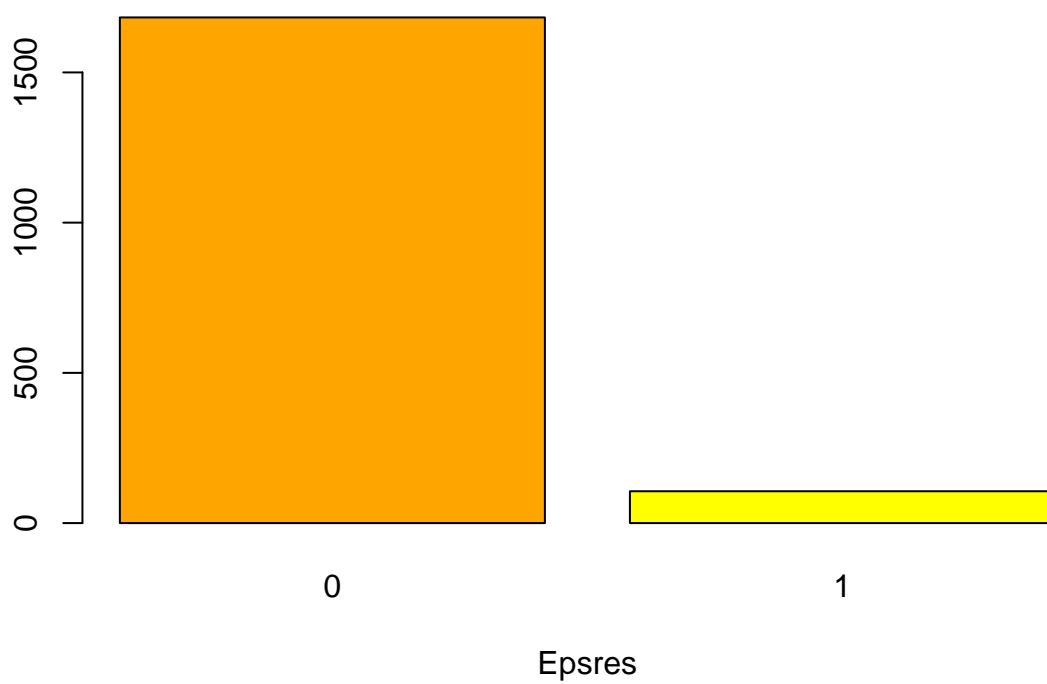
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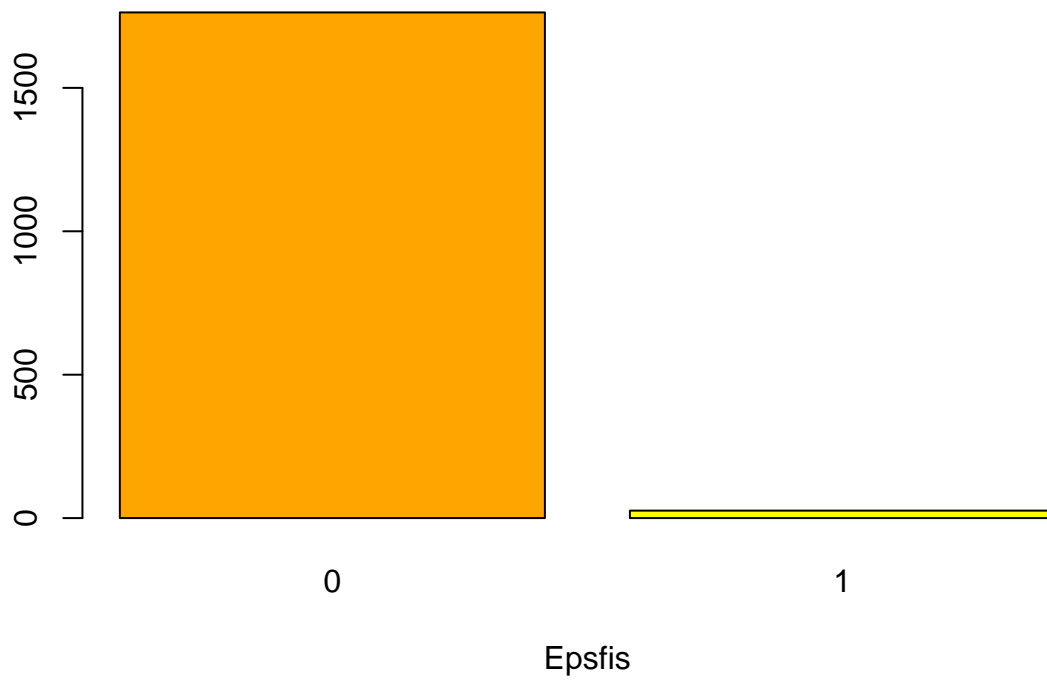
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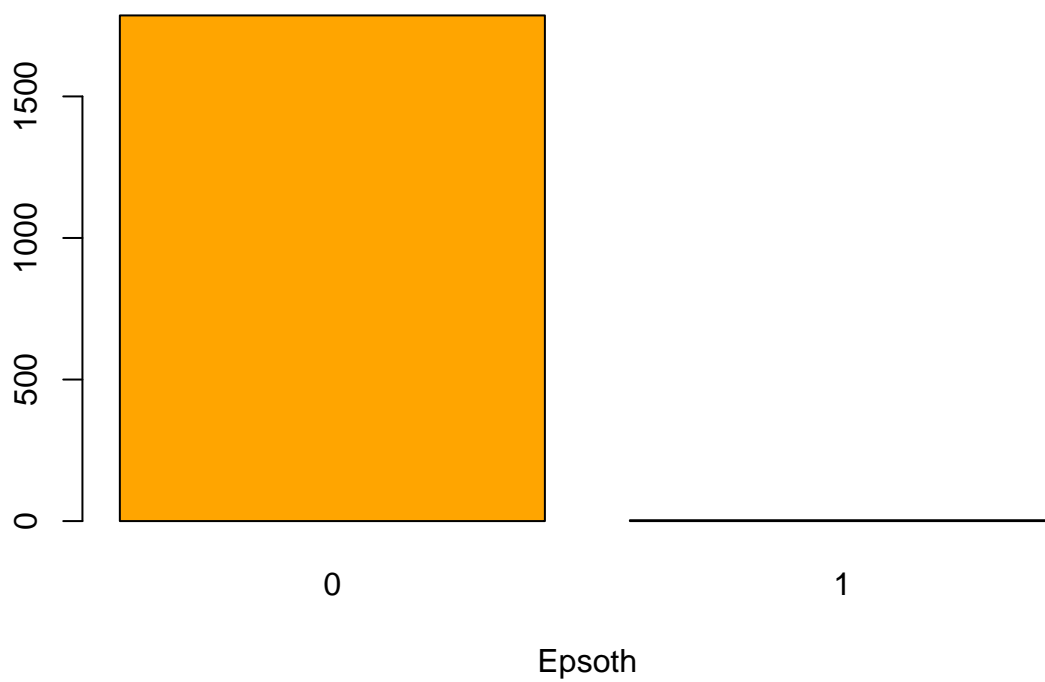
Epsoth

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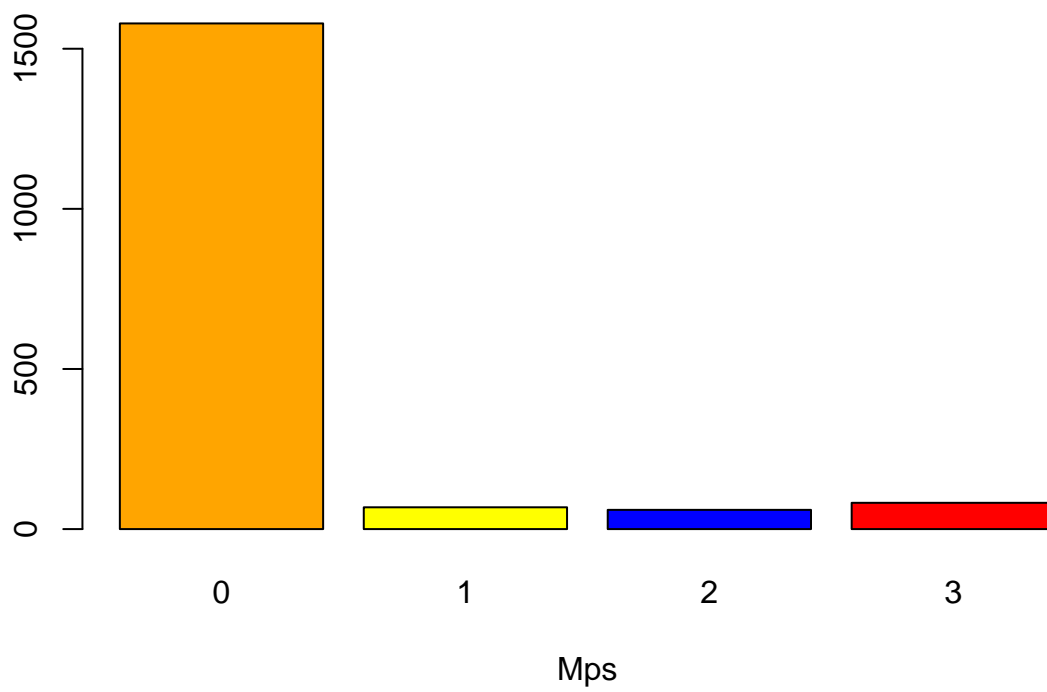
Distribución de Mpsme

Mpsme

Distribución de Mpsjt

Mpsjt
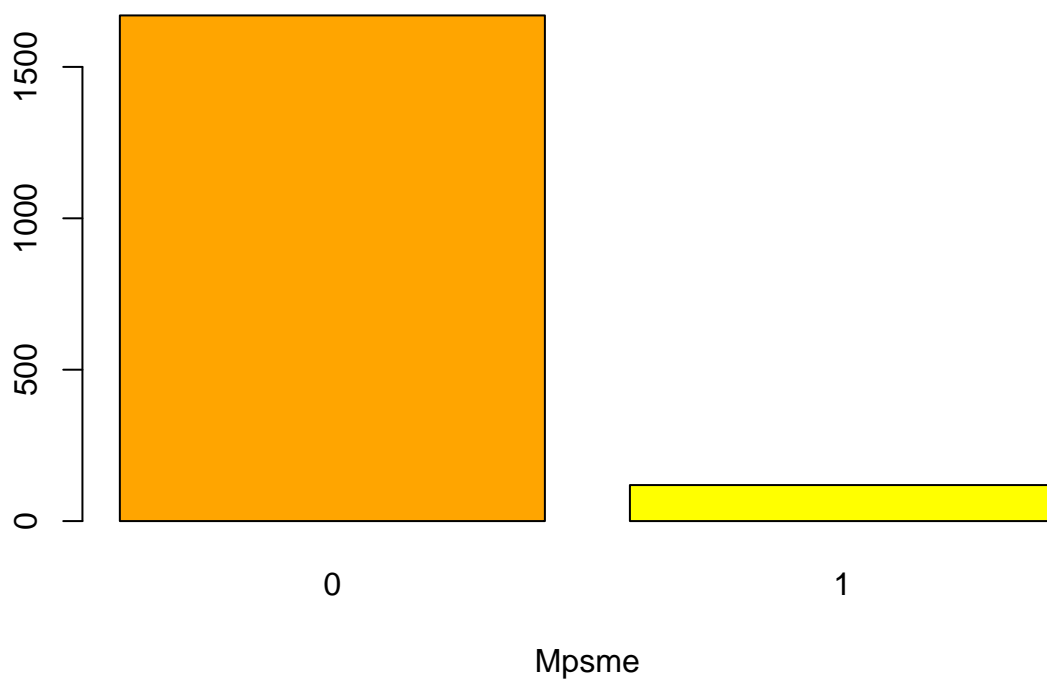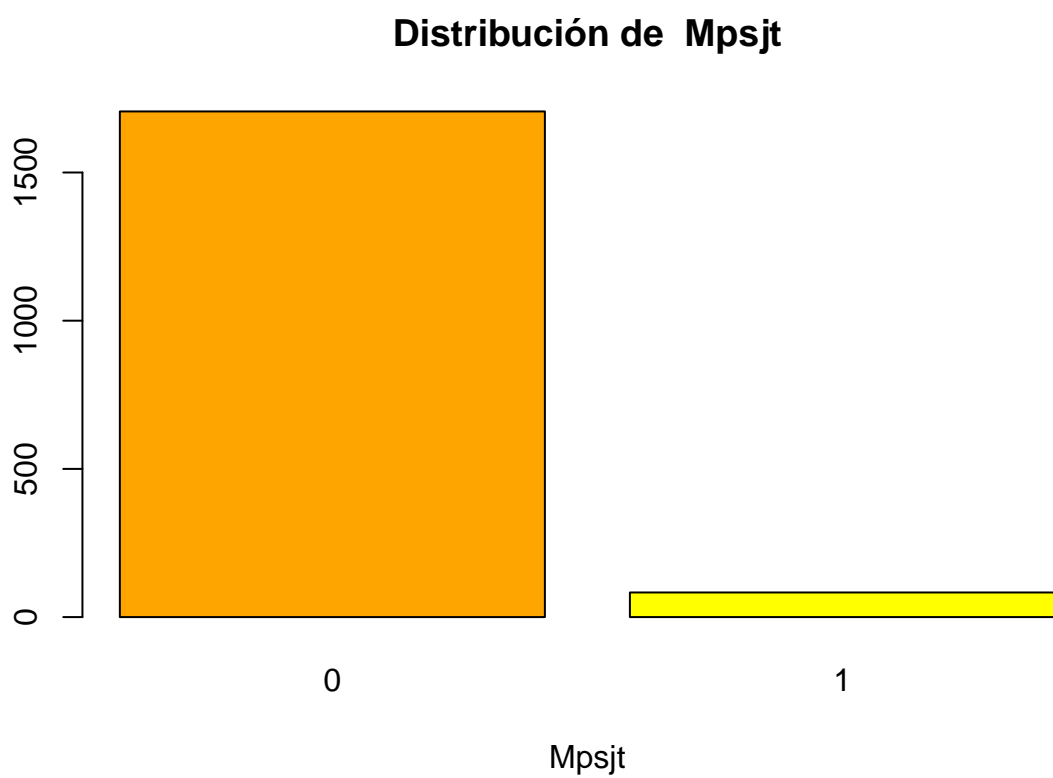
Distribución de Mpspro

Mpspro

Distribución de Mpsoth

Mpsoth

Distribución de Hrgen

Hrgen
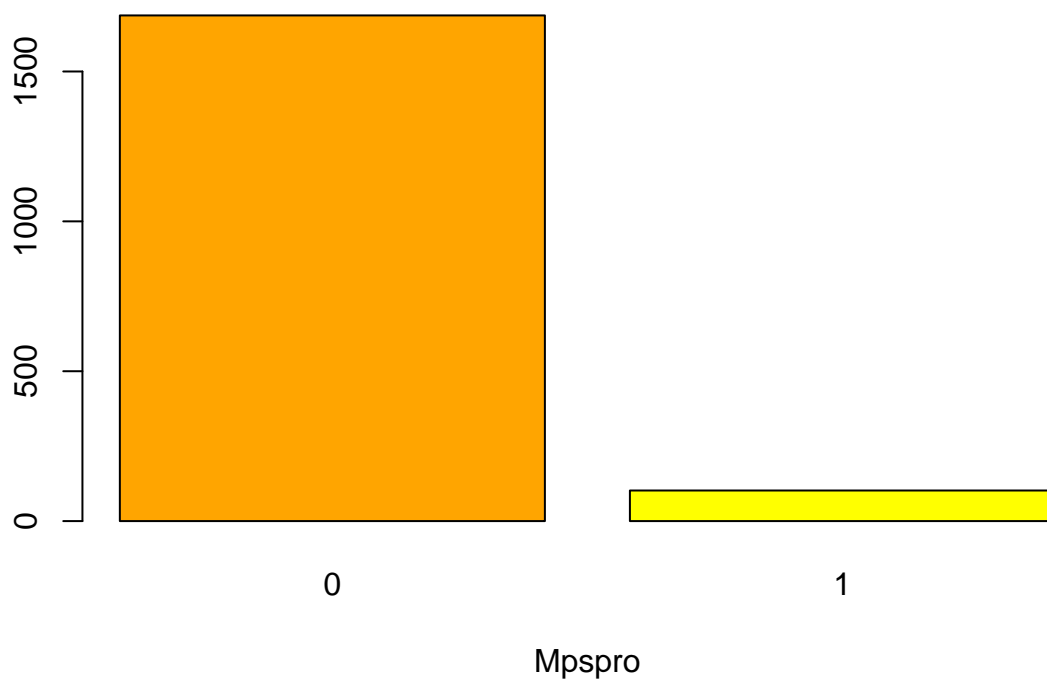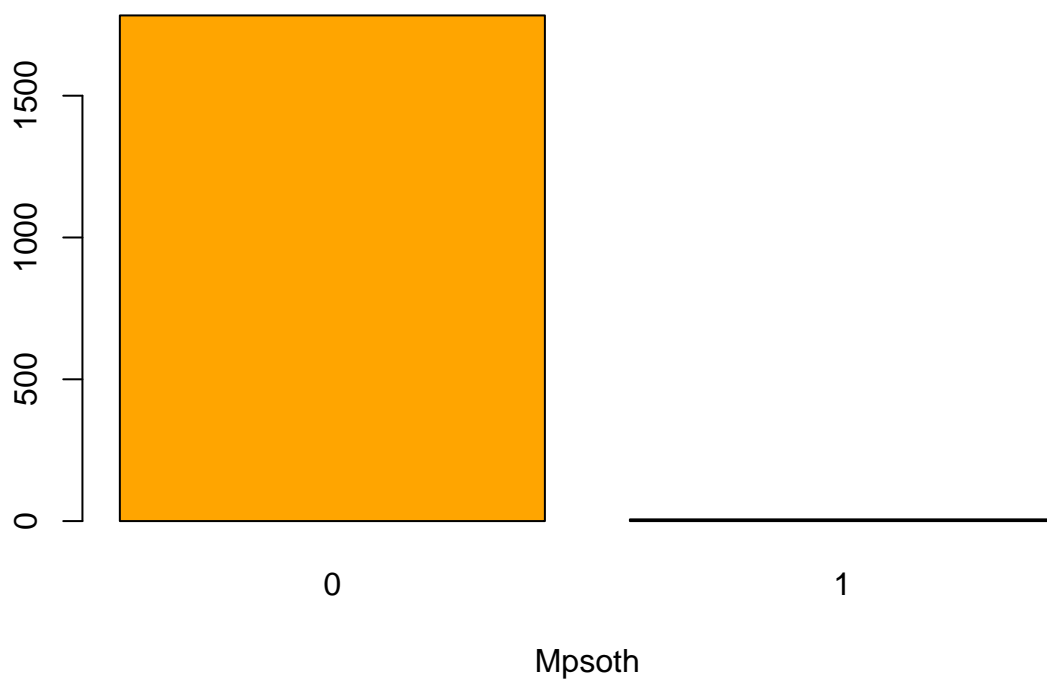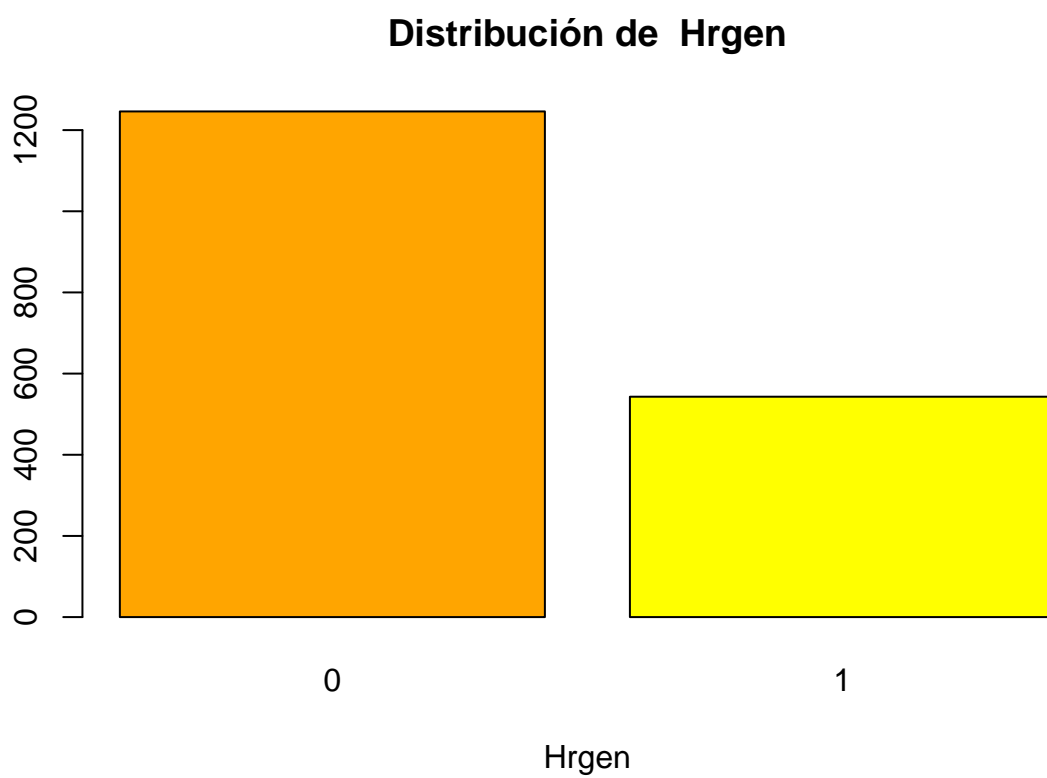
Distribución de Eqgen

Eqgen

Distribución de Hrdem

Hrdem
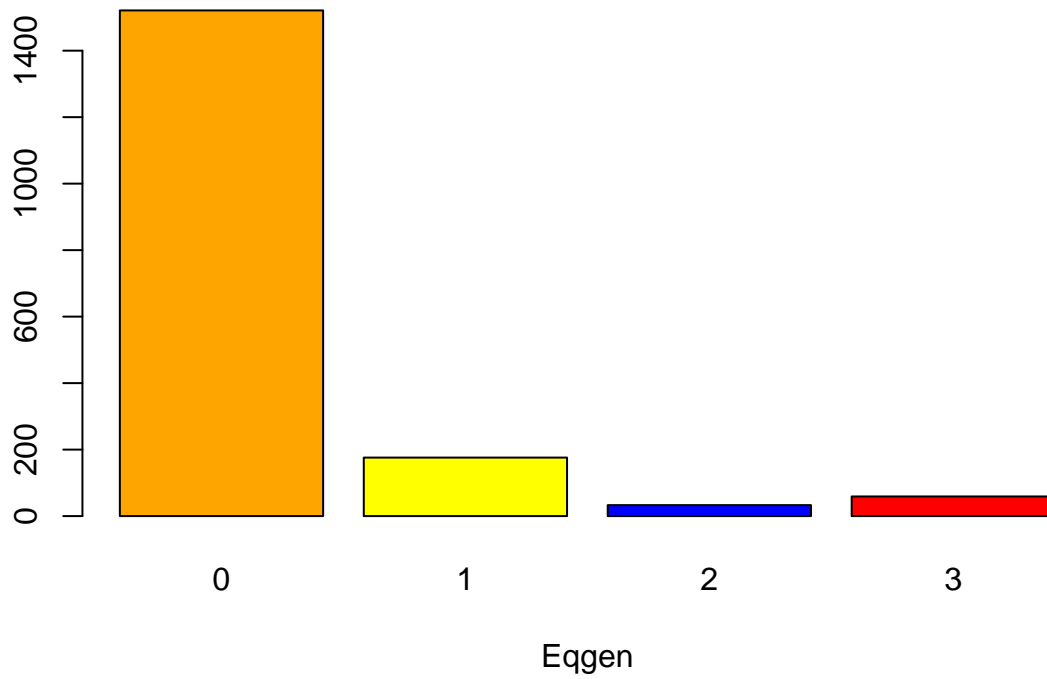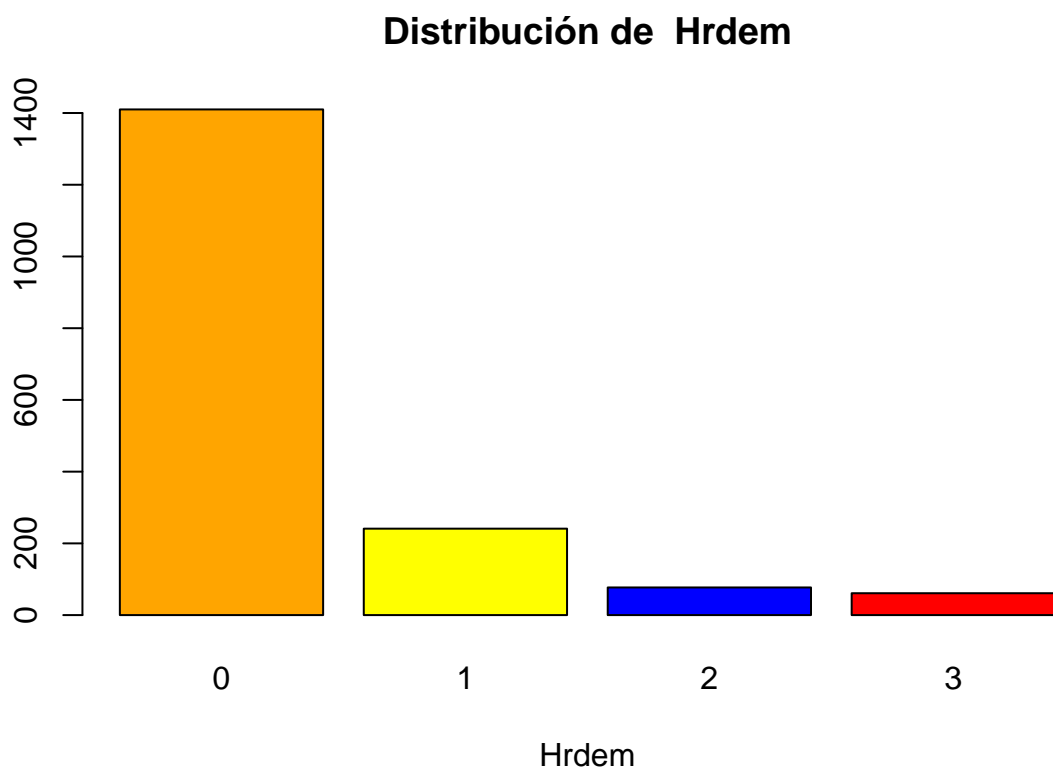
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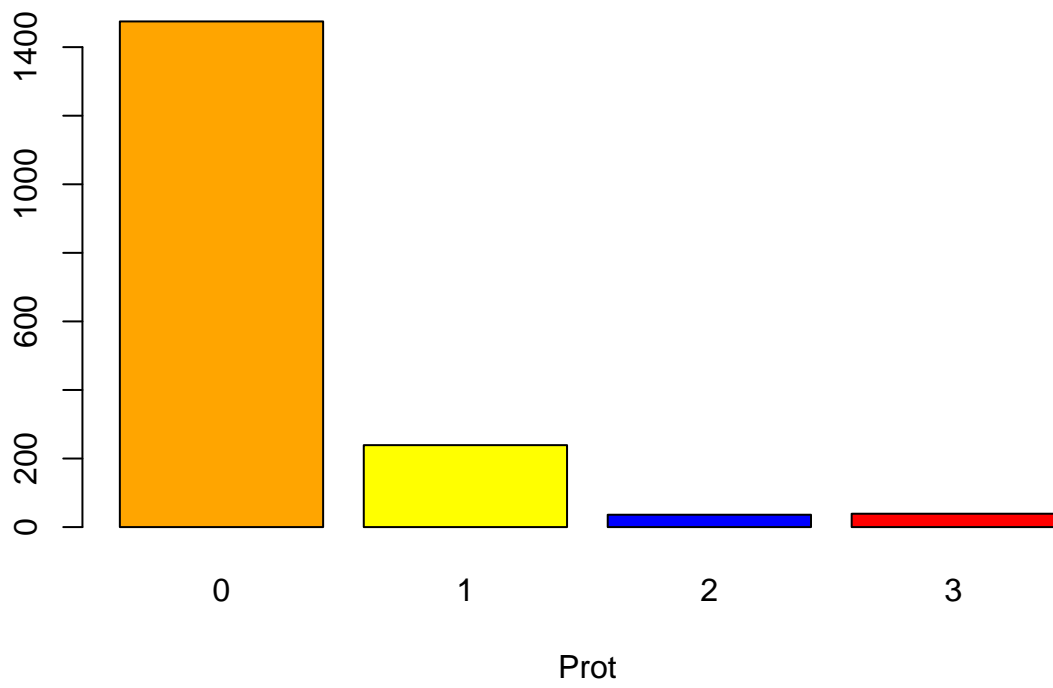
Distribución de Protciv

Protciv
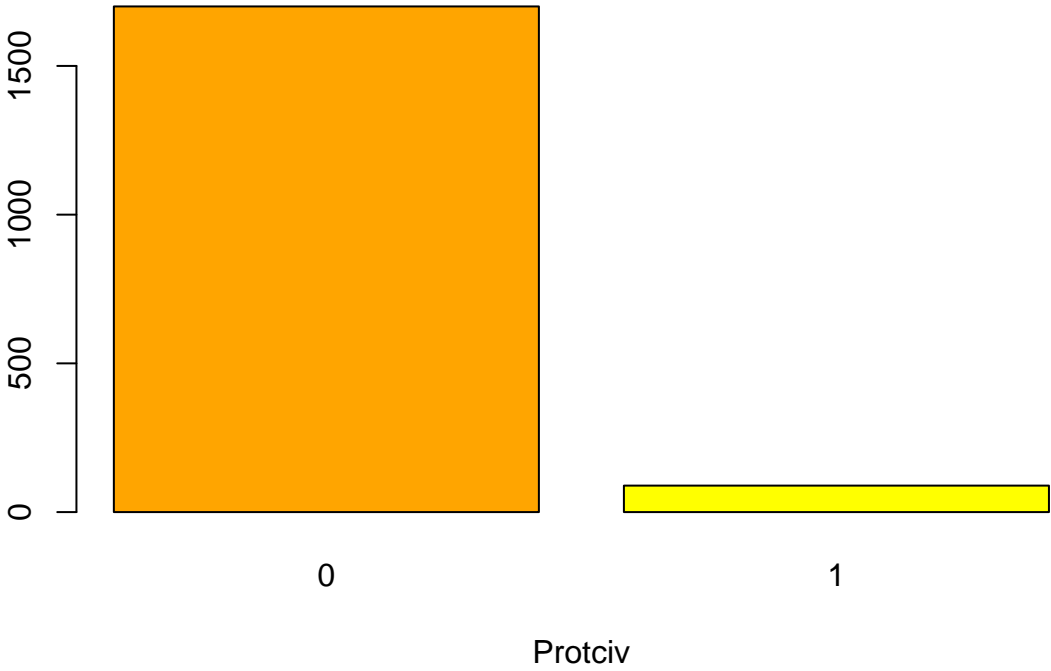
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Protgrp
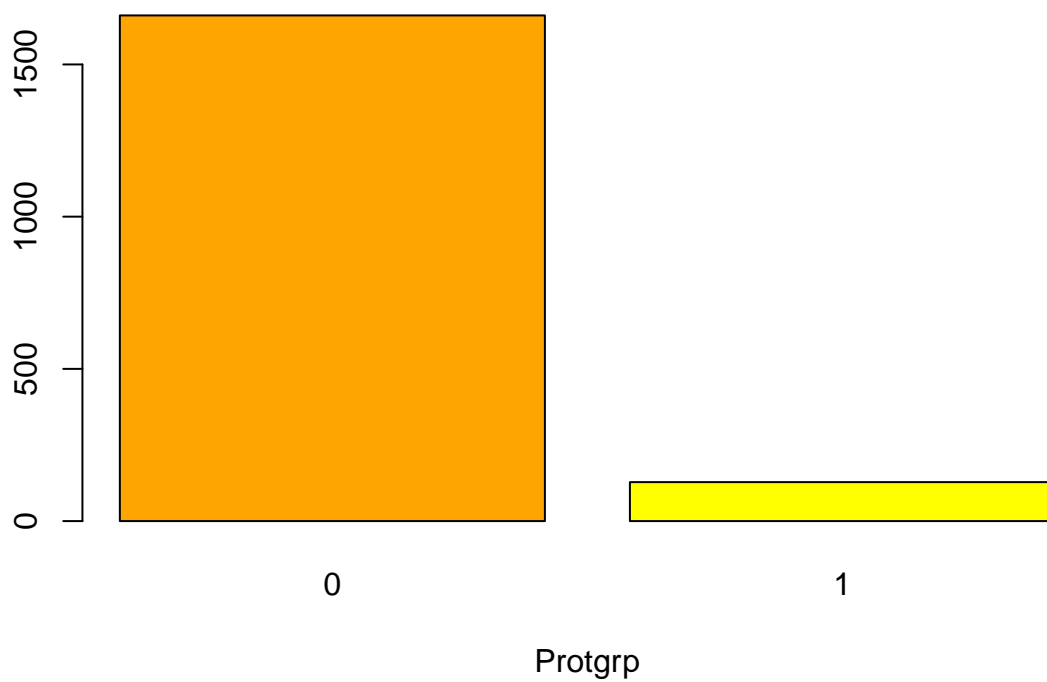
Distribución de Protlgl

Protlgl
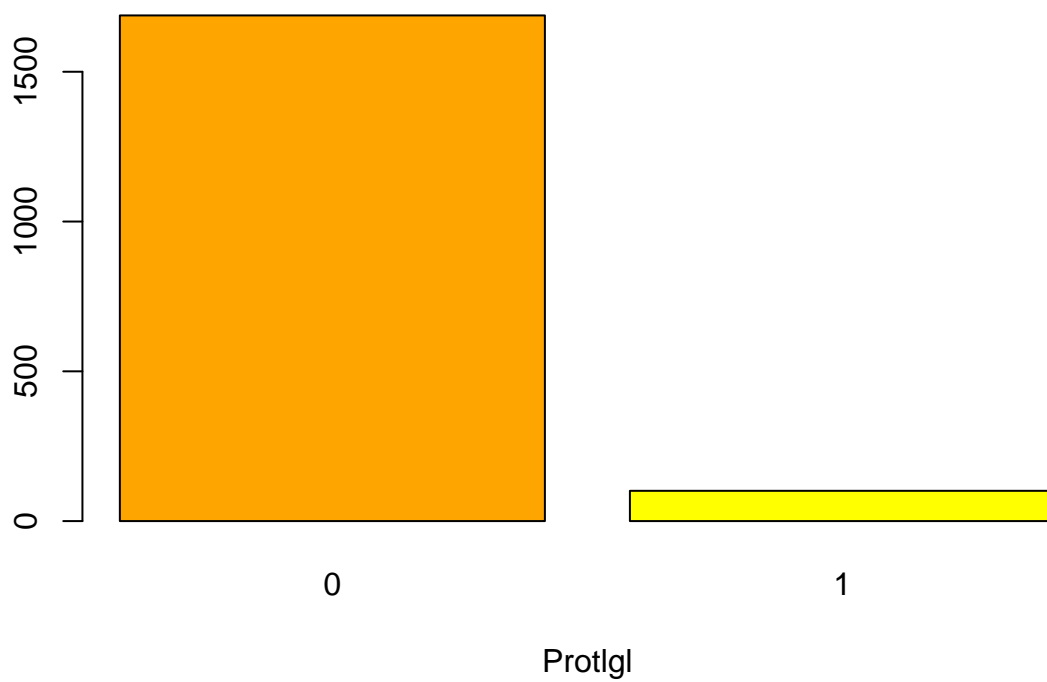
Distribución de Prototh

Prototh

Distribución de Hrfra

Hrfra

Distribución de Hrfsp

Hrfsp
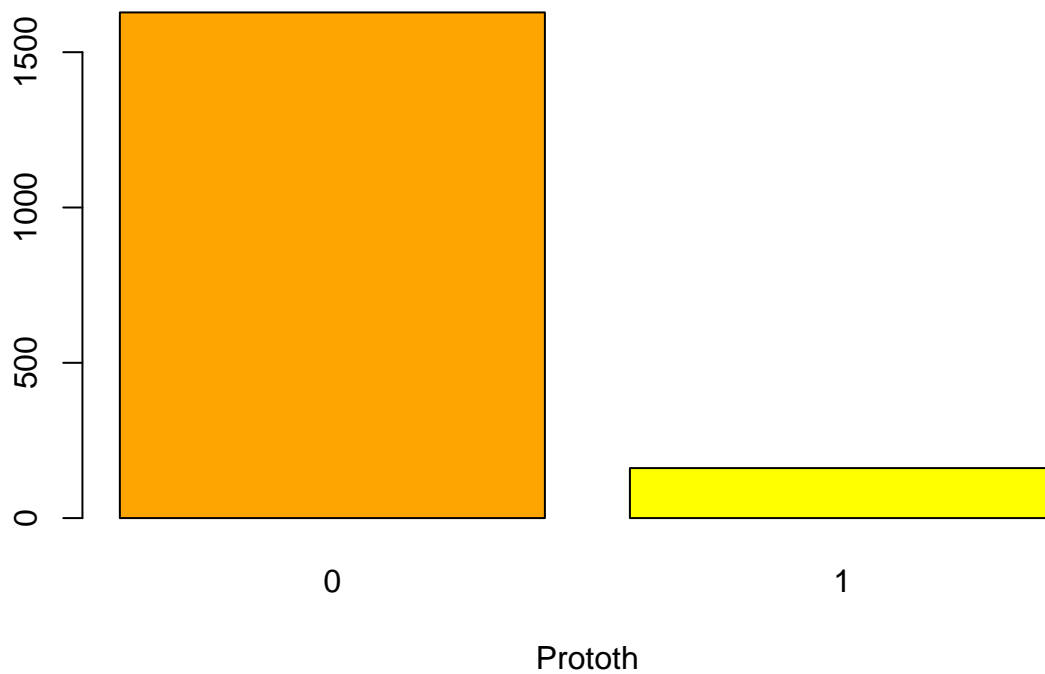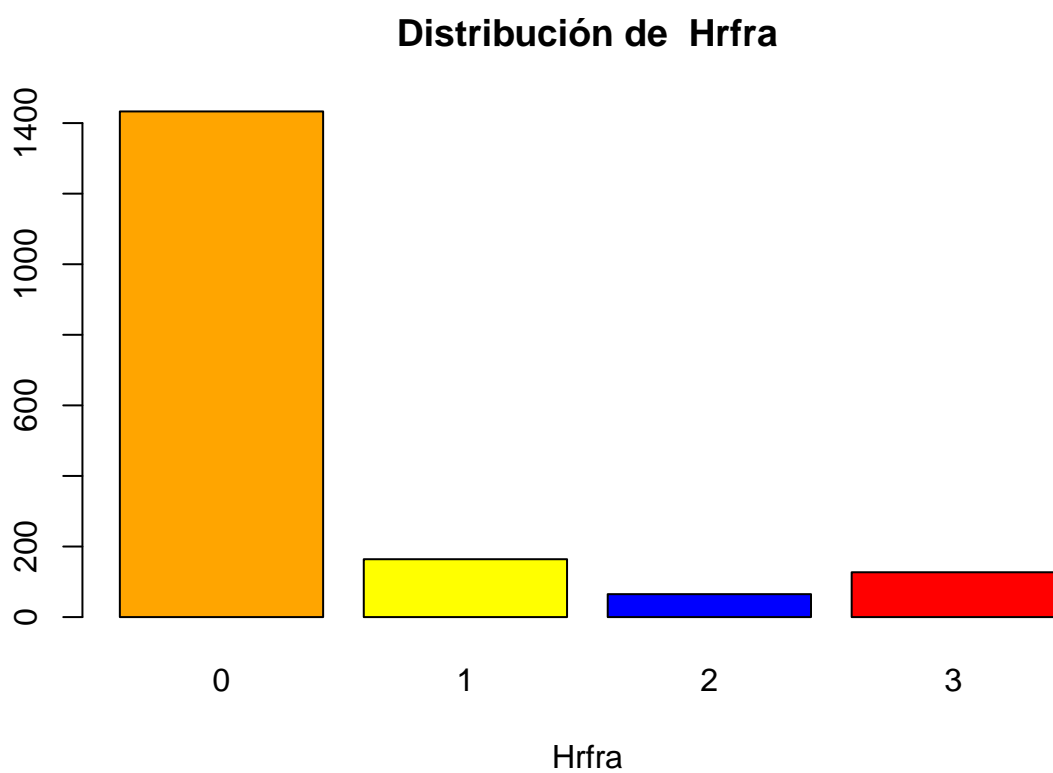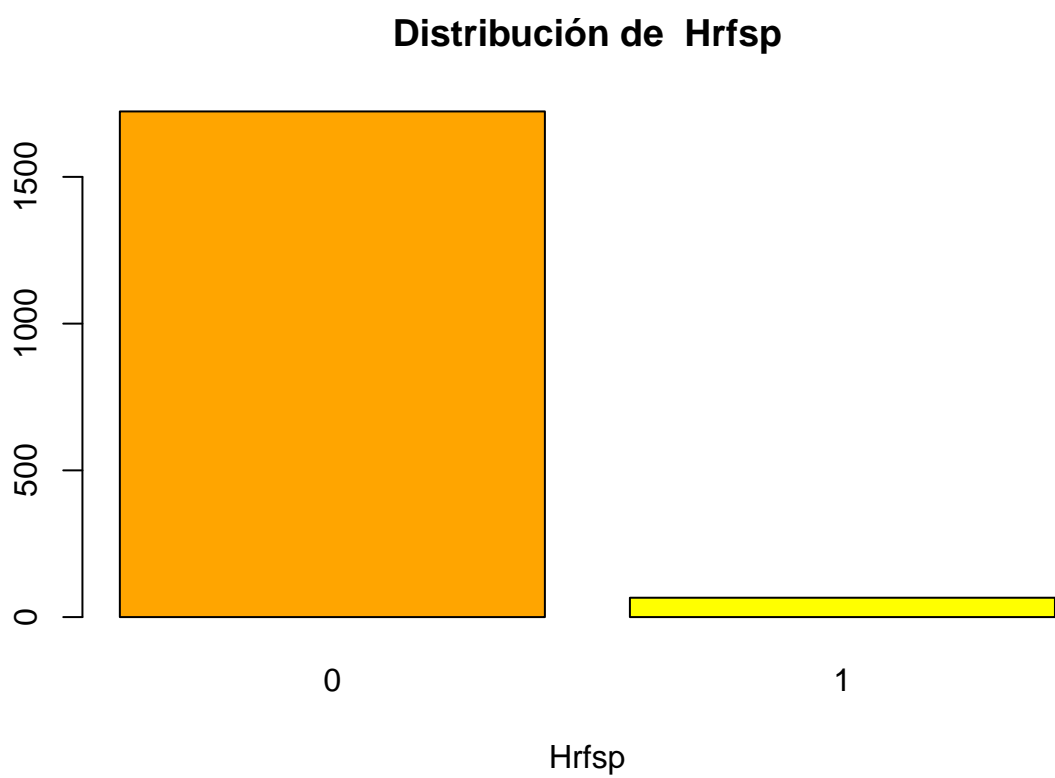
Distribución de Hrfbor

Hrfbor
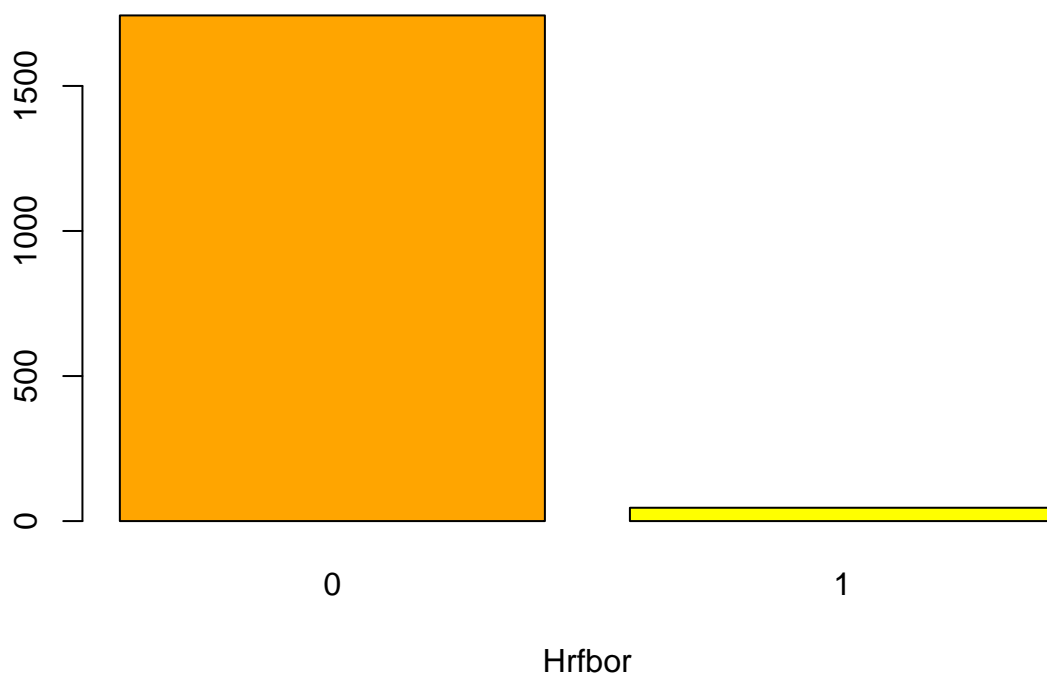
Distribución de Hrftinc

Hrftinc
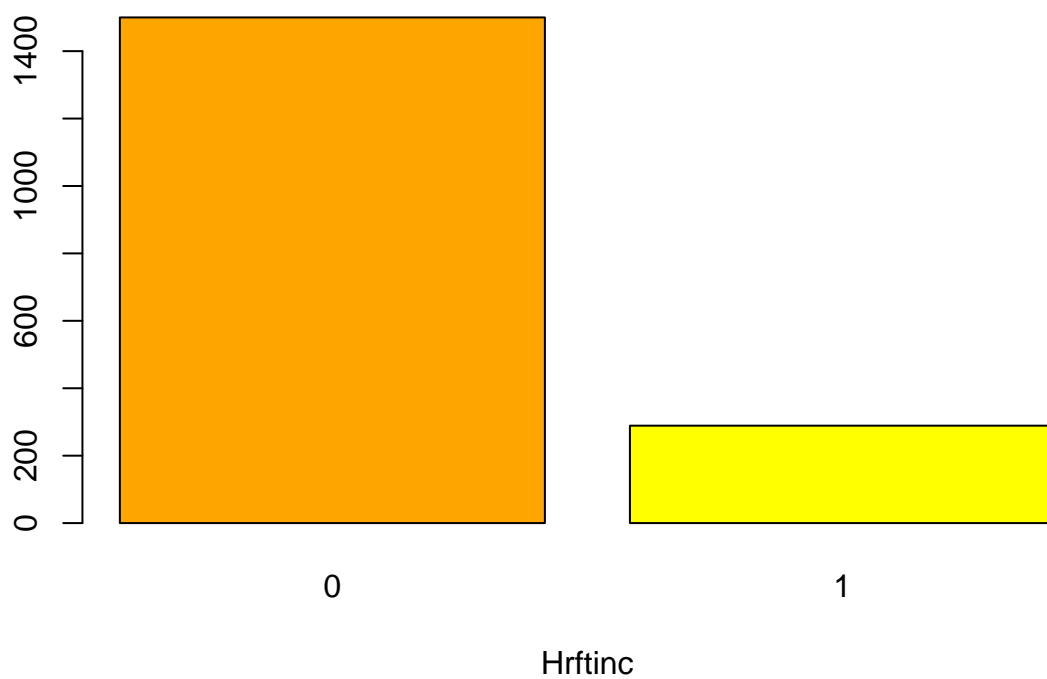
Distribución de Hrfoth

Hrfoth
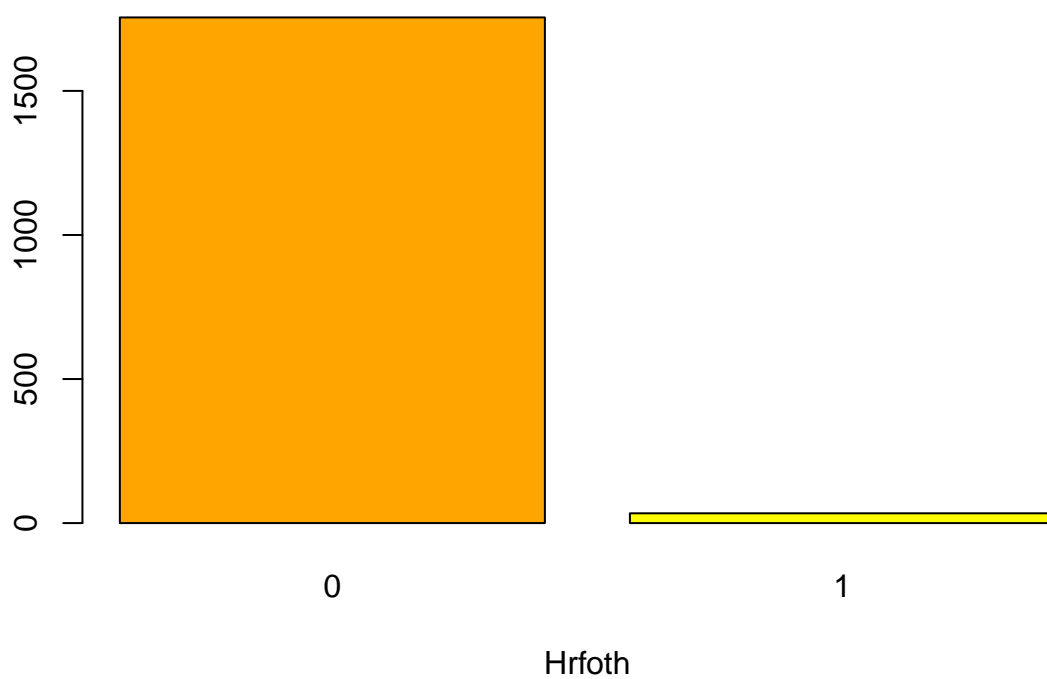
Distribución de Hrcp

Hrcp
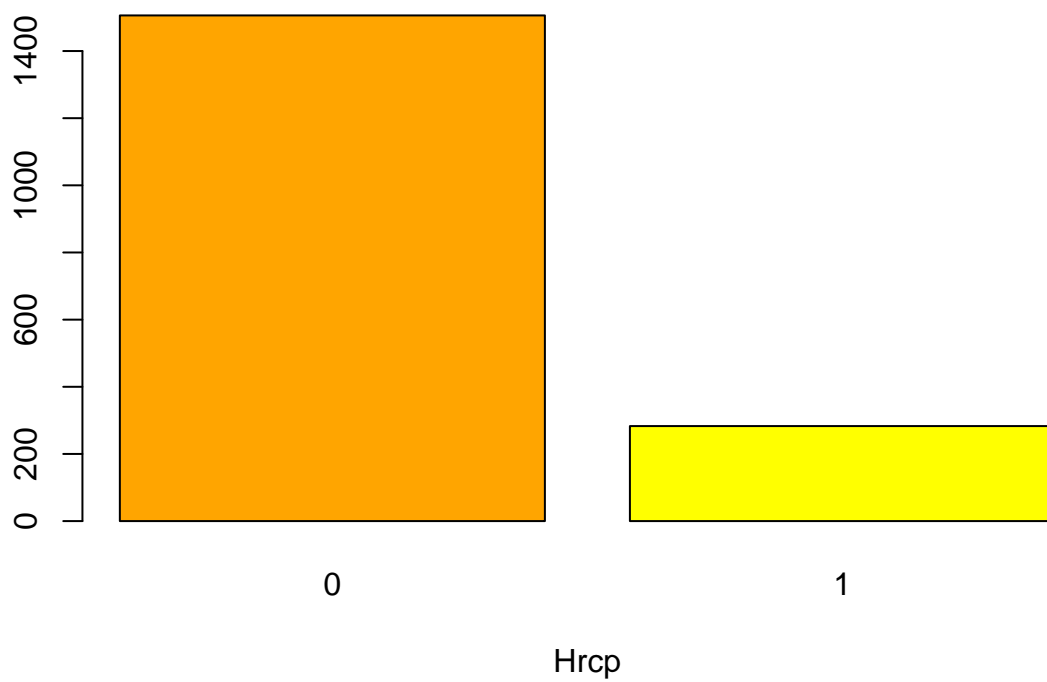
Distribución de Cprlife

Cprlife
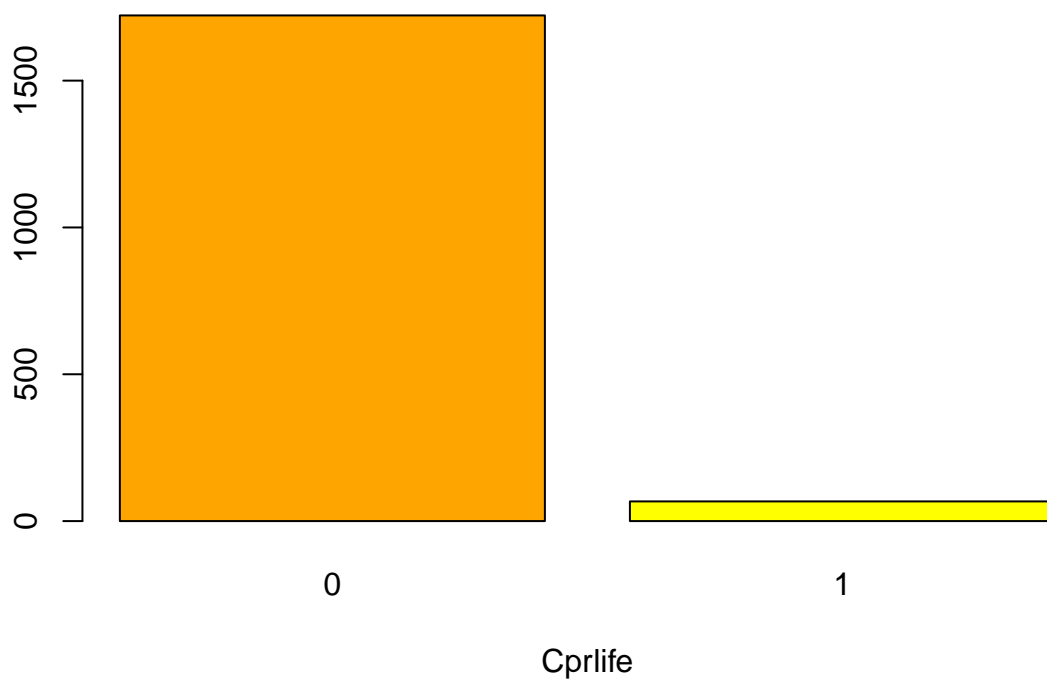
Distribución de Cprtort

Cprtort

Distribución de Cpreq

Cpreq
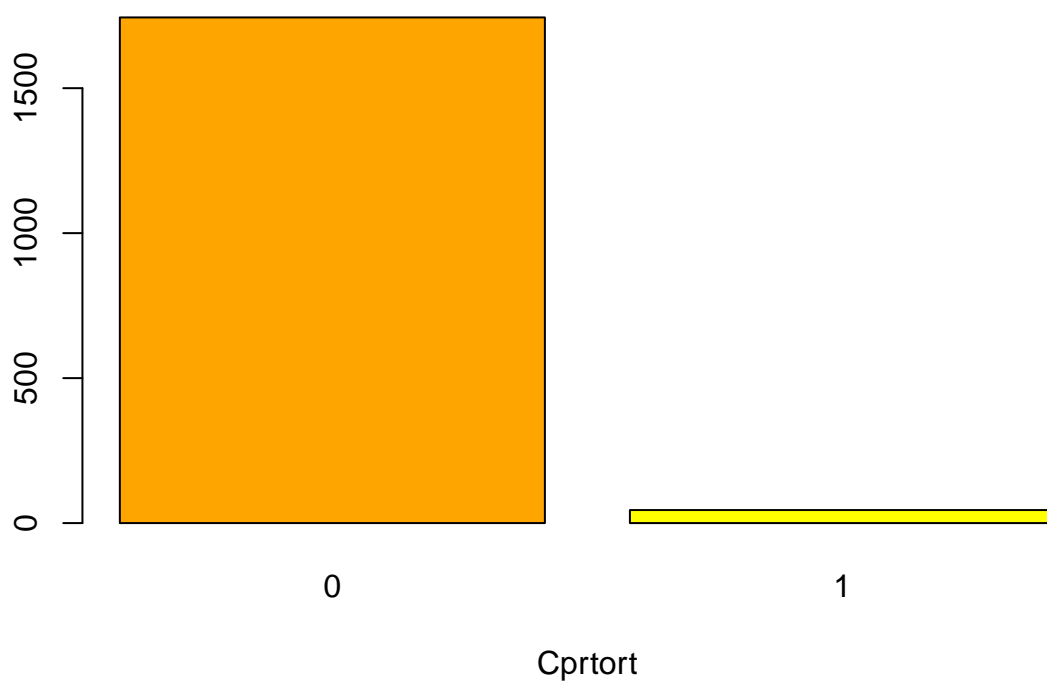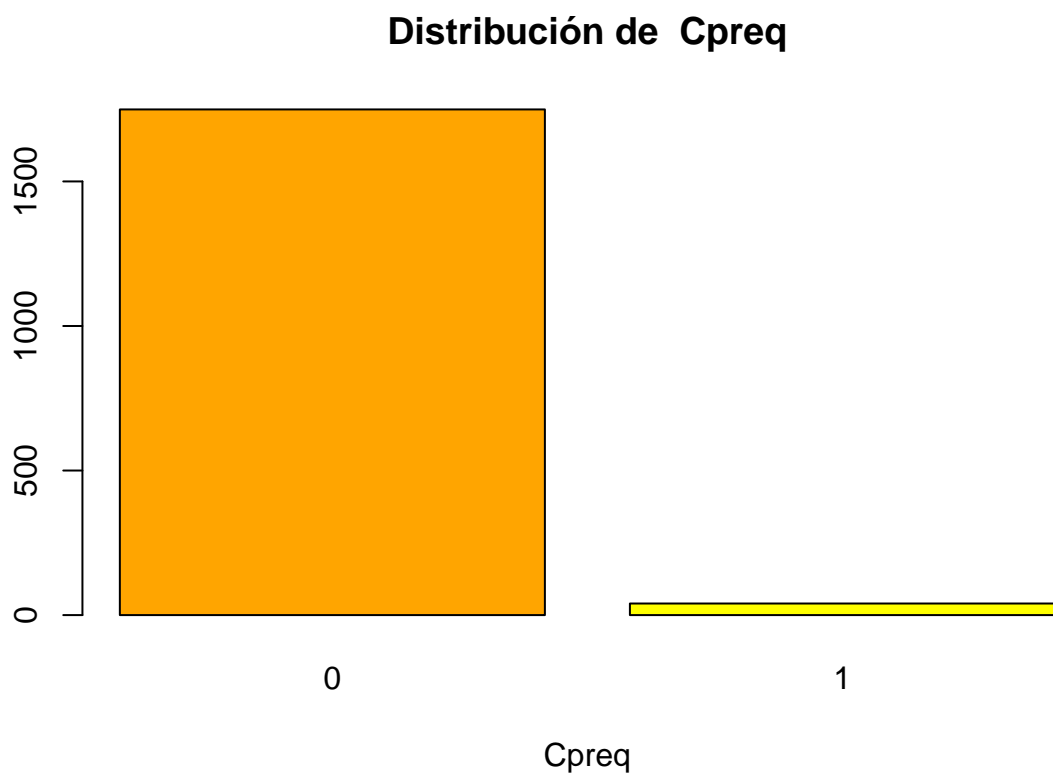
Distribución de Cprslav

Cprslav
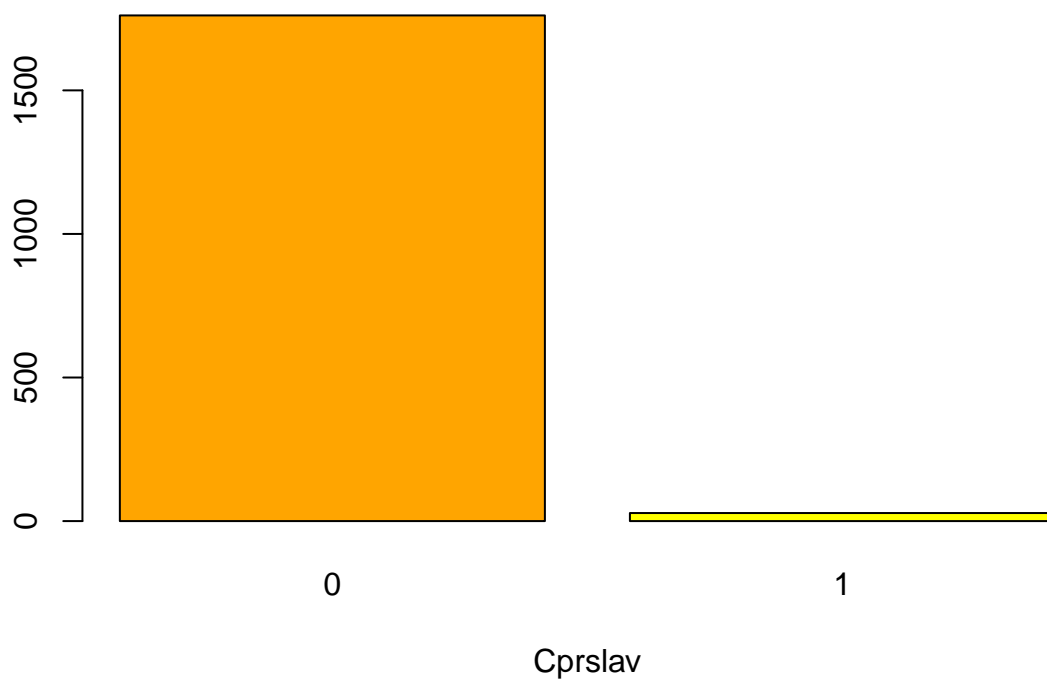
Distribución de Cprlib

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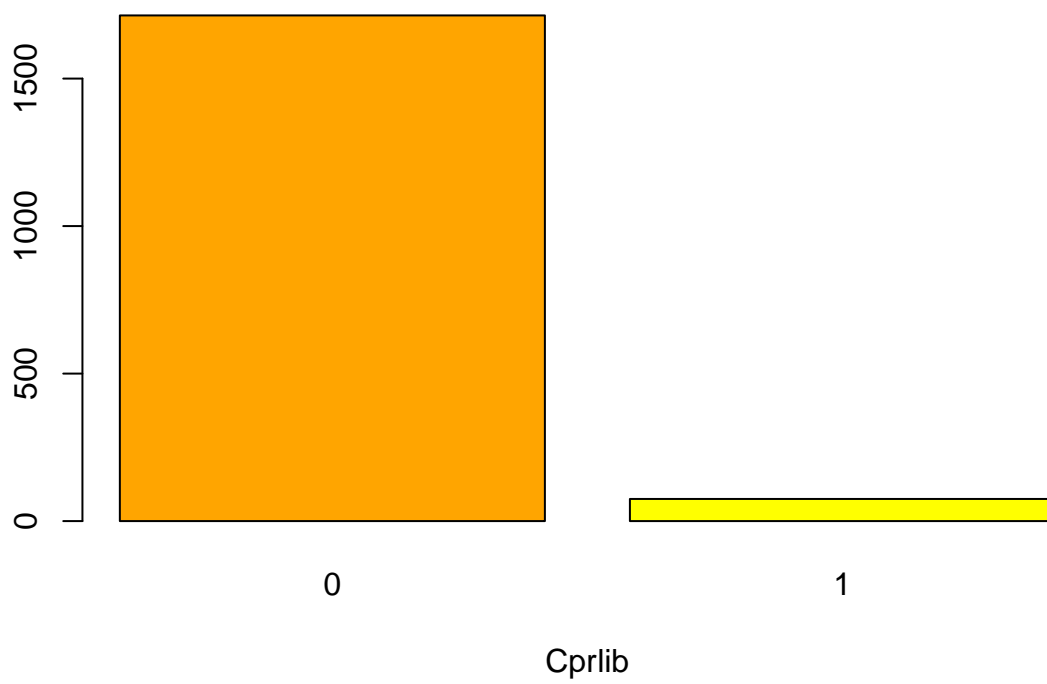
Distribución de Cprdet

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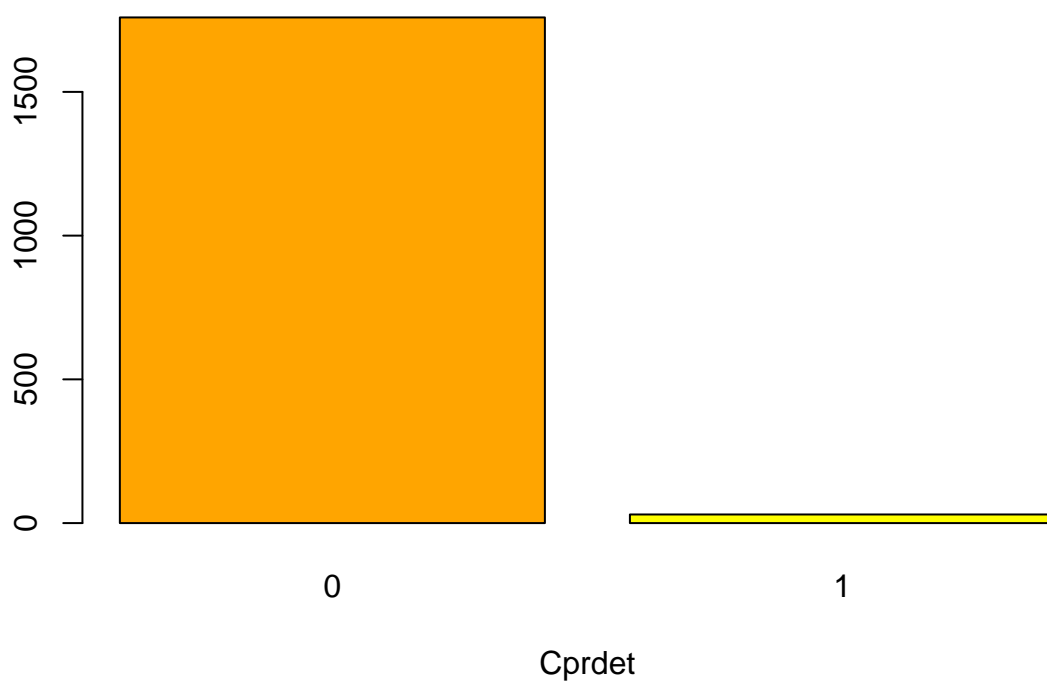
Distribución de Cprfmov

Cprfmov
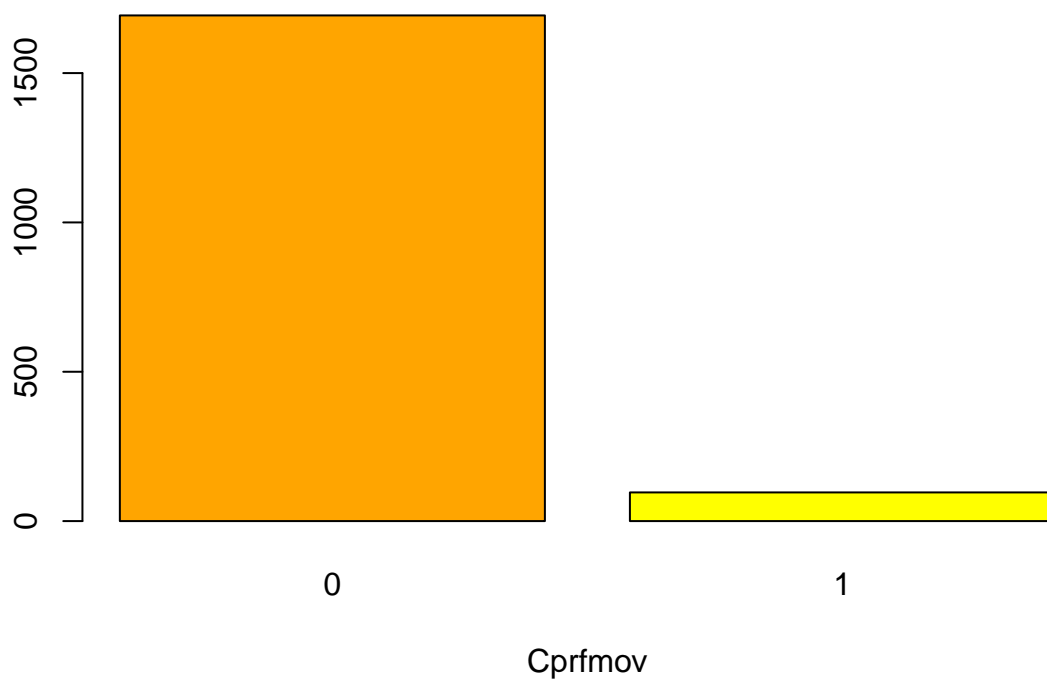
Distribución de Cprfspe

Cprfspe
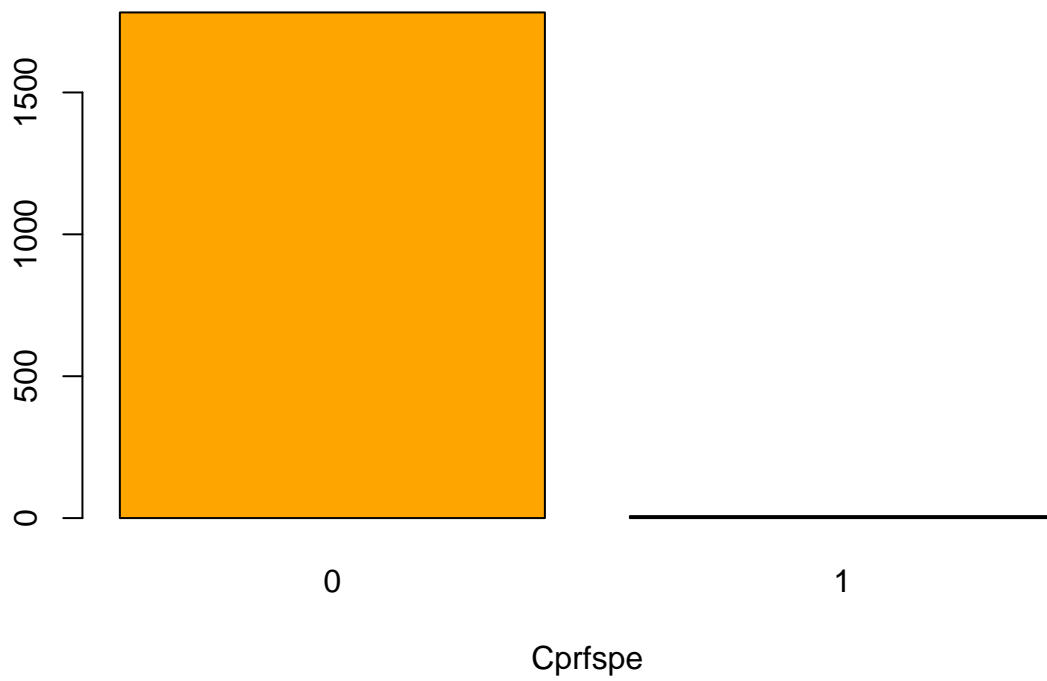
Distribución de Cprfass

Cprfass
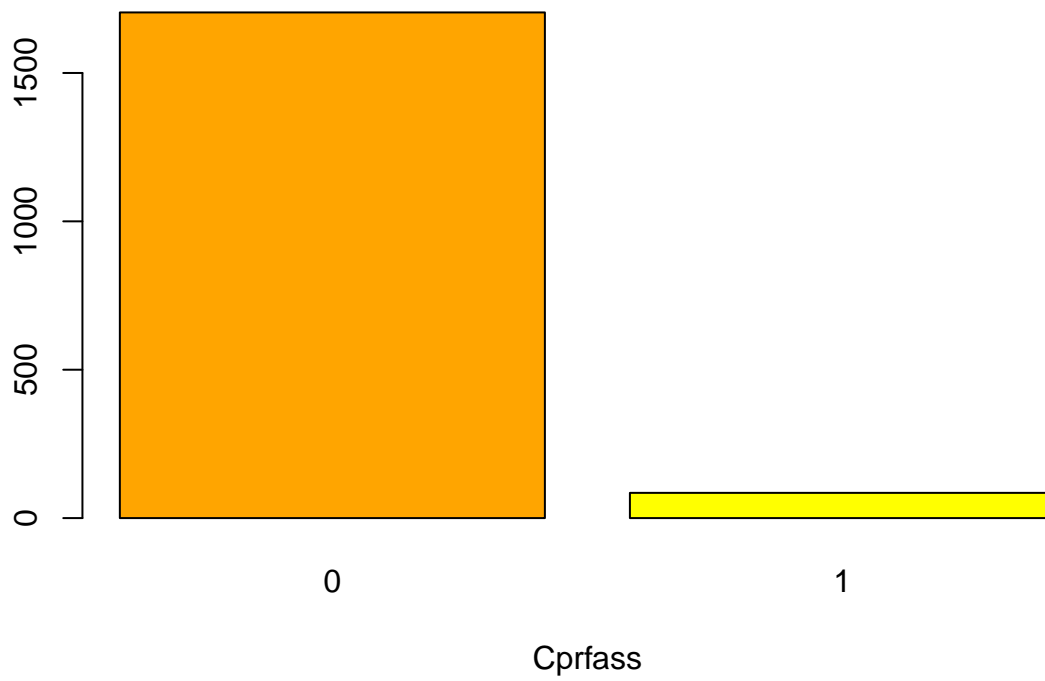
Distribución de Cprtria

Cprtria
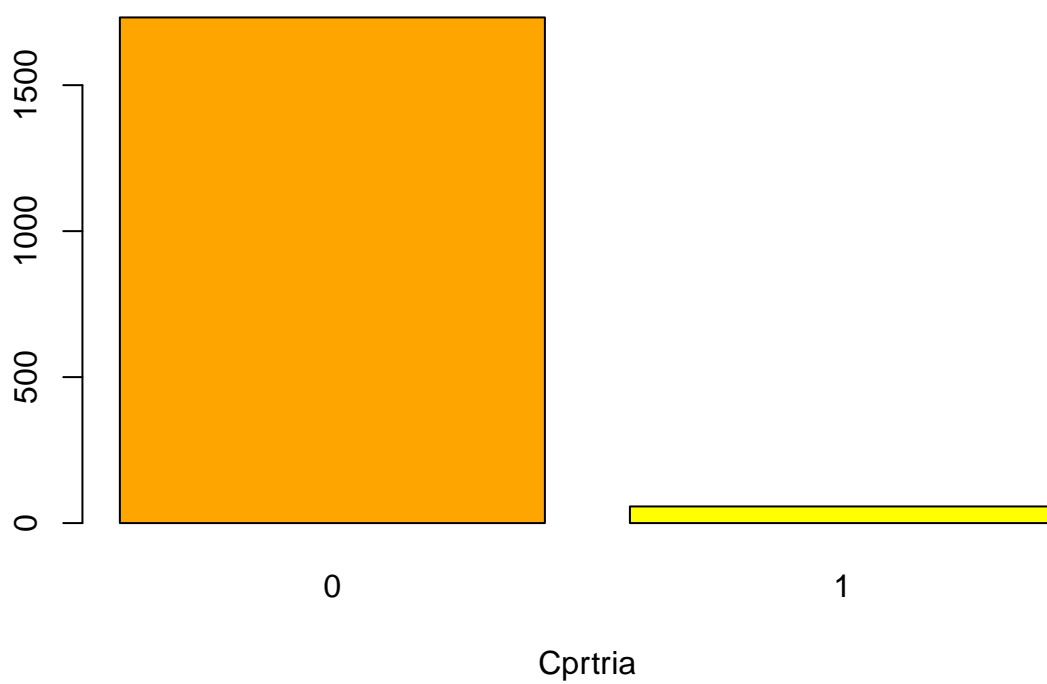
Distribución de Cprpriv

Cprpriv
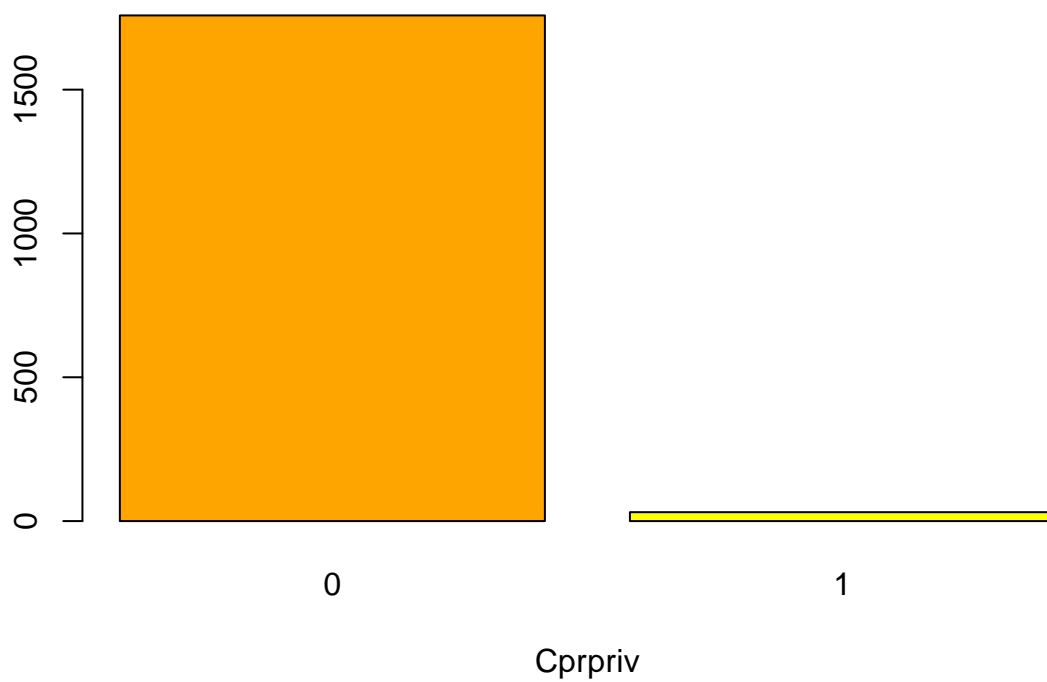
Distribución de Cprvote

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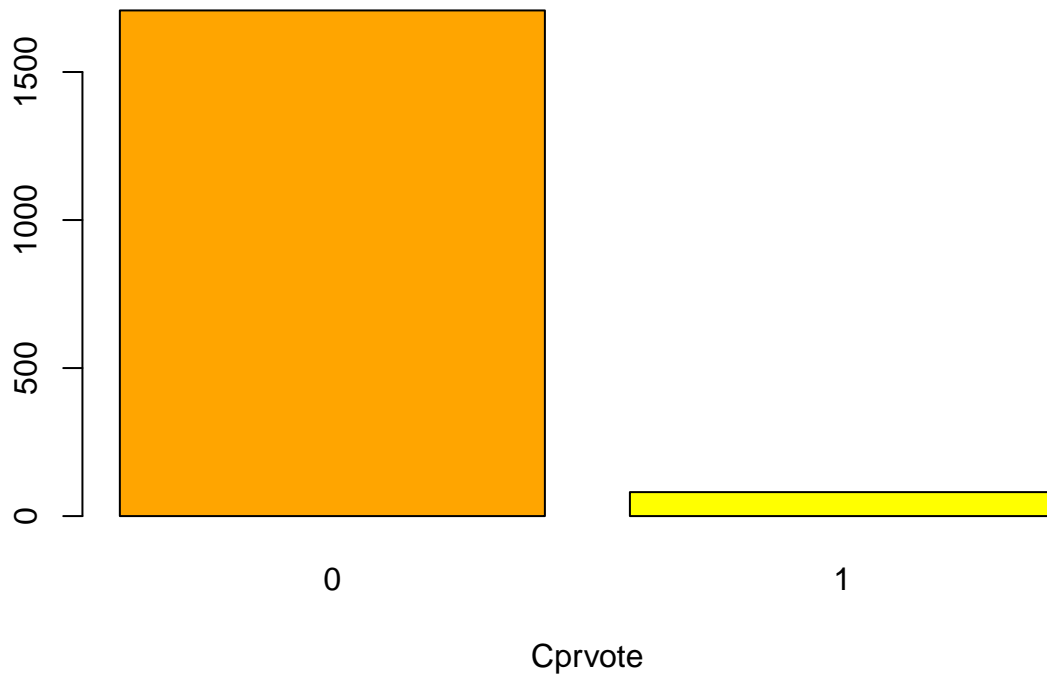
Distribución de Cprreli

Cprreli

Distribución de Cproth

Cproth

Distribución de Hrsec

Hrsec
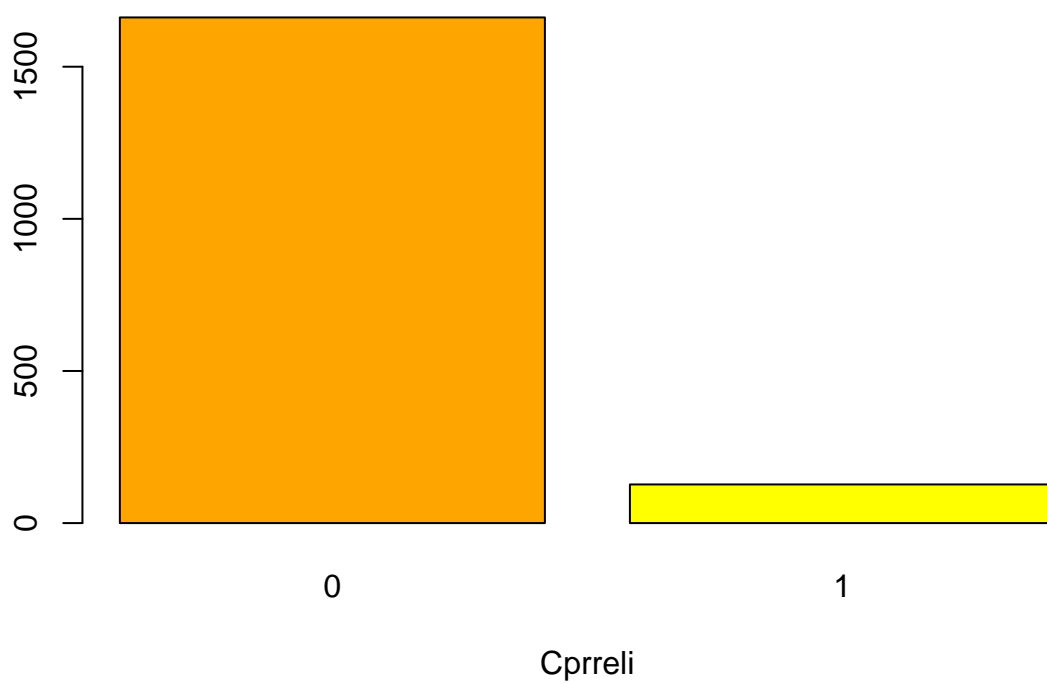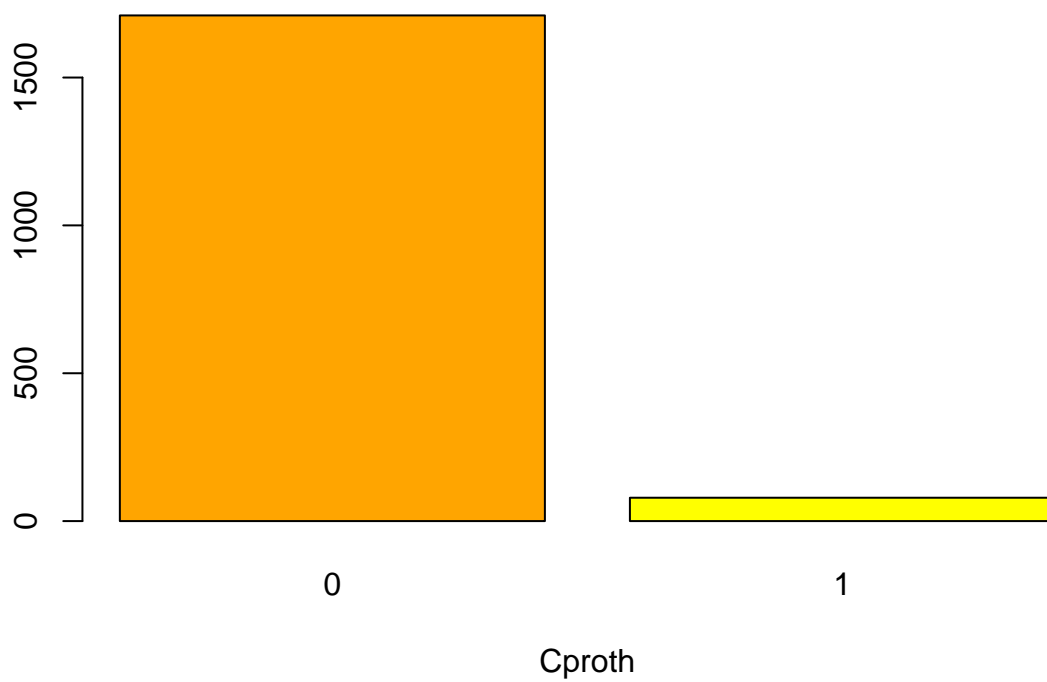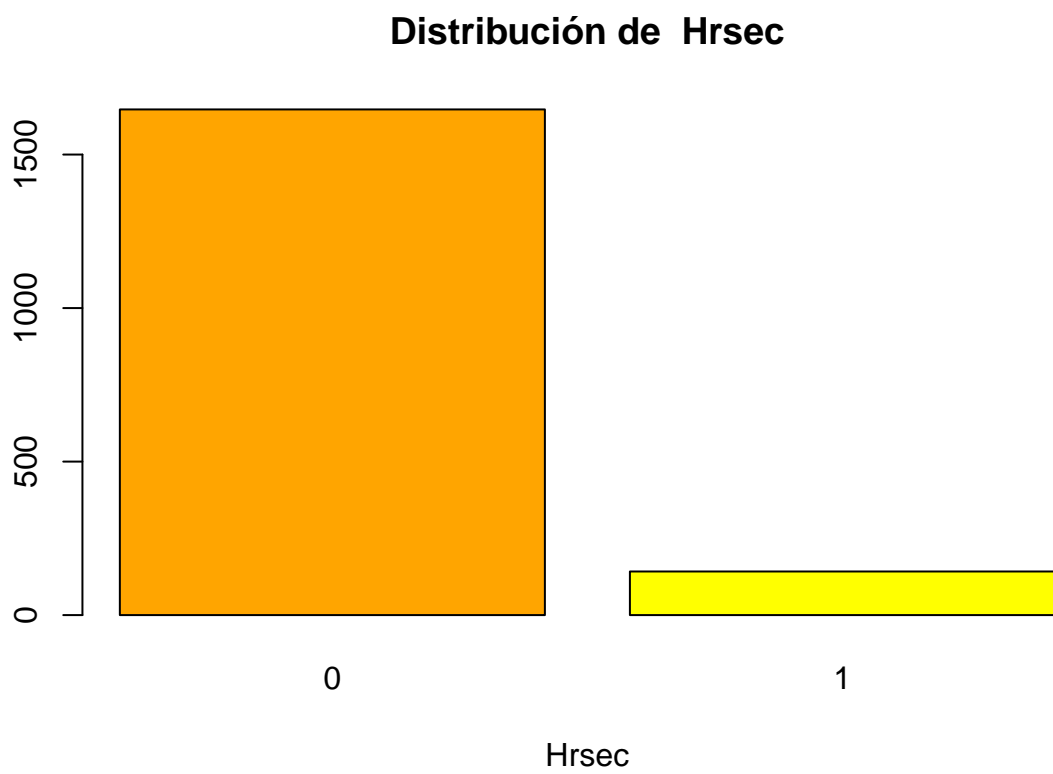
Distribución de Serprop

Serprop
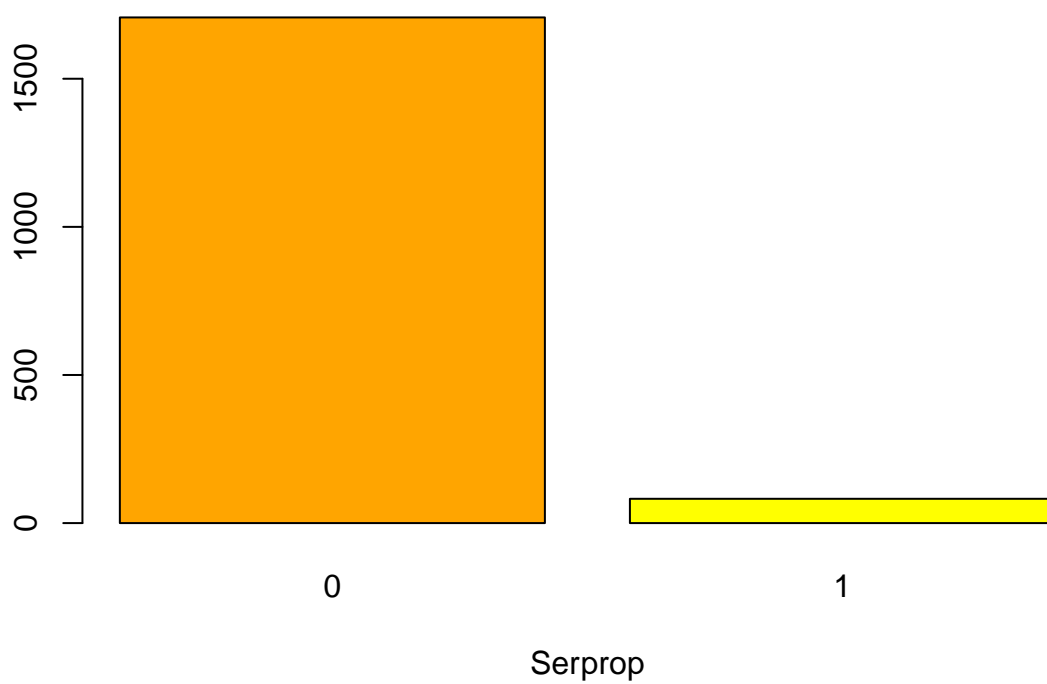
Distribución de Serwork

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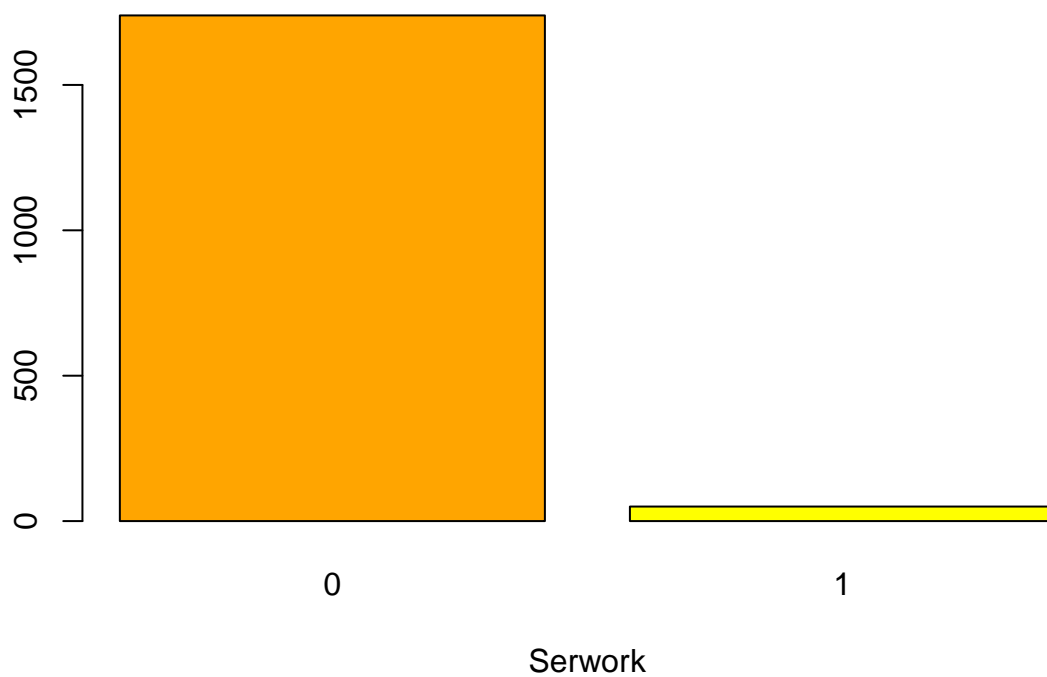
Distribución de Serheal

Serheal
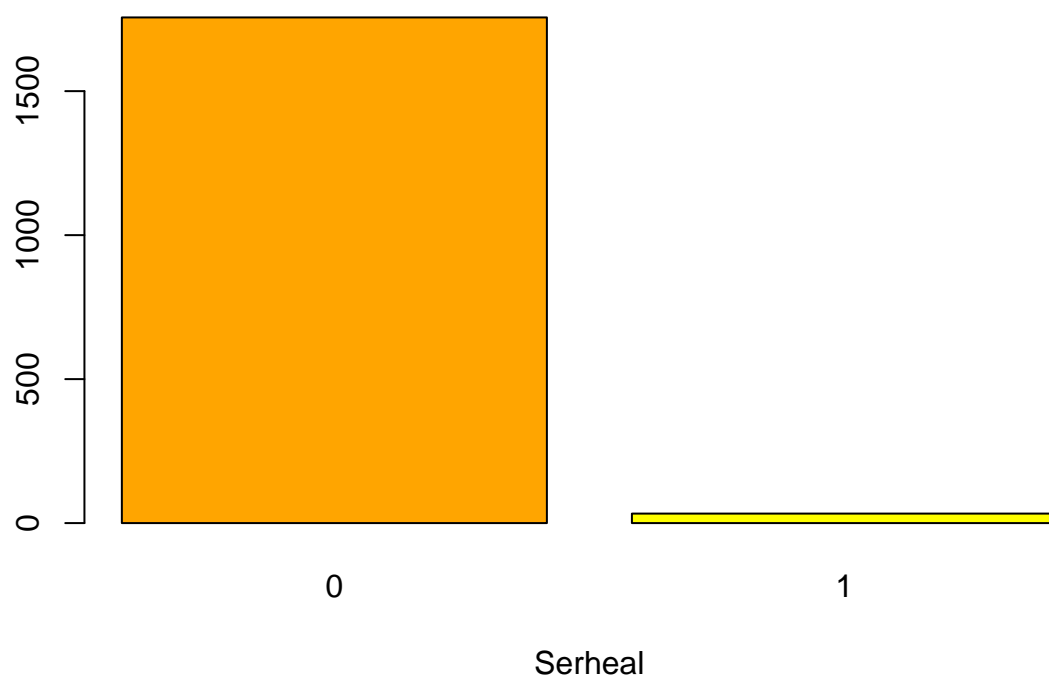
Distribución de Seredu

Seredu
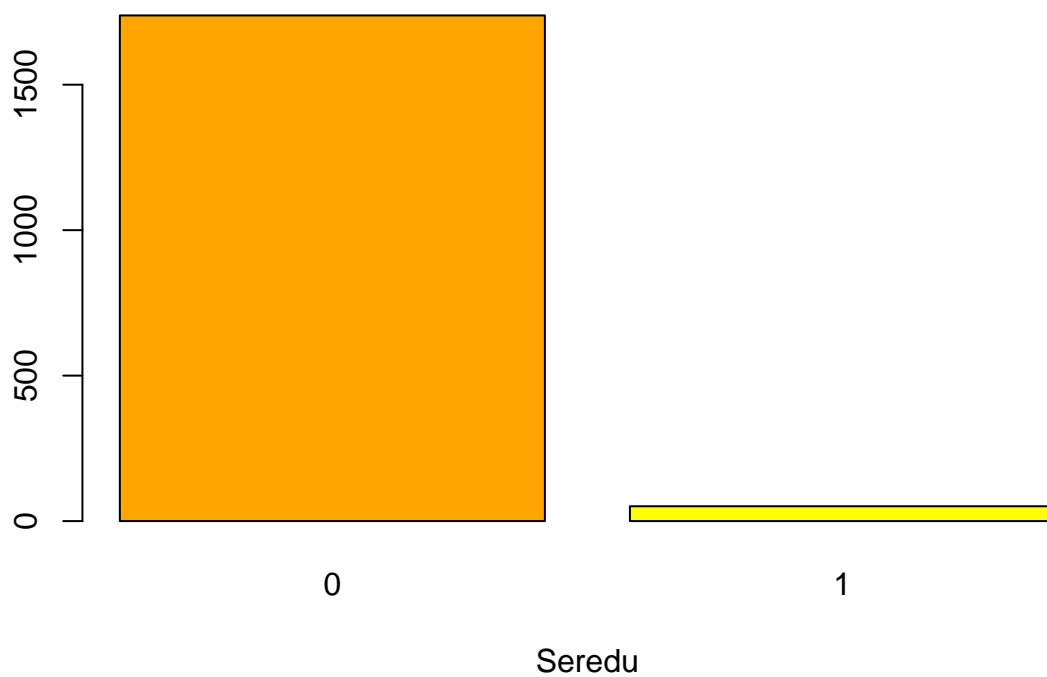
Distribución de Serstdl

Serstdl
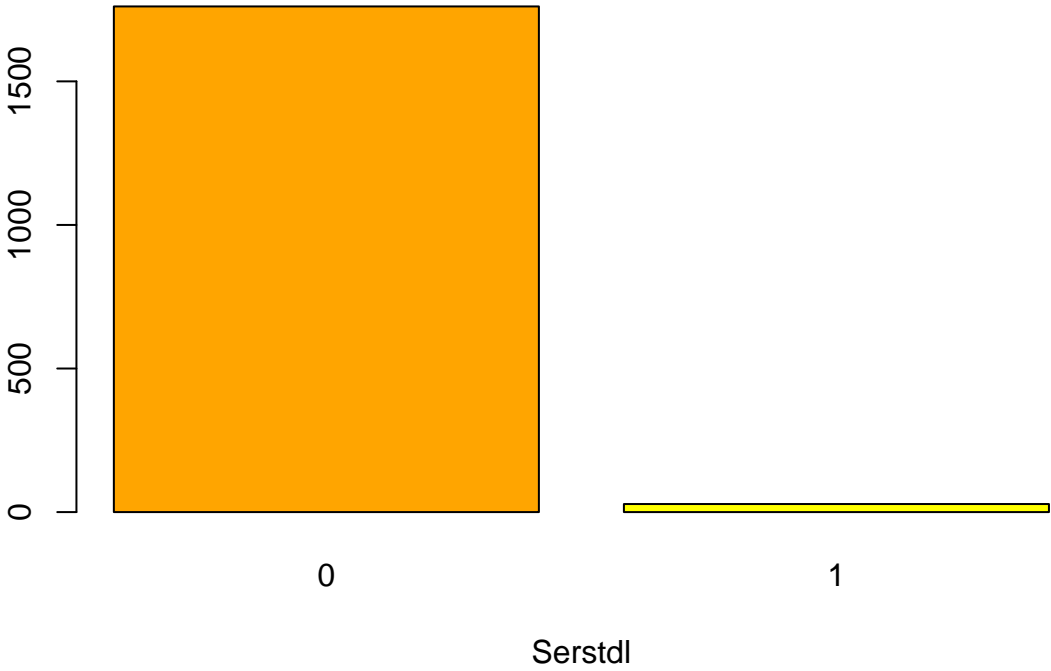
Distribución de Sershel

Sershel

Distribución de Serss

Serss
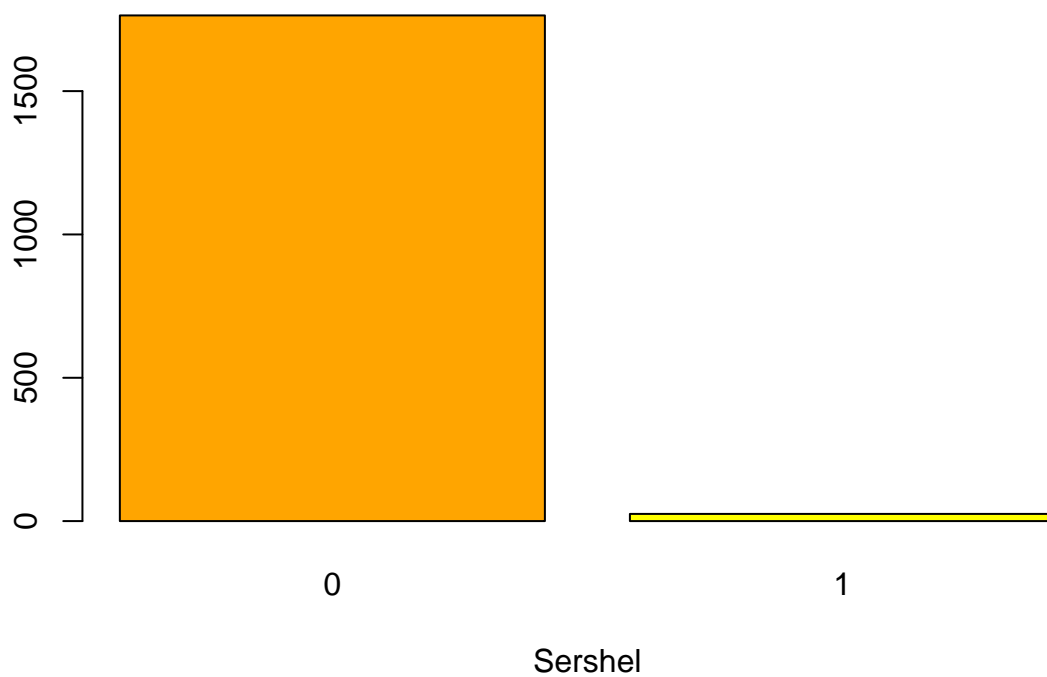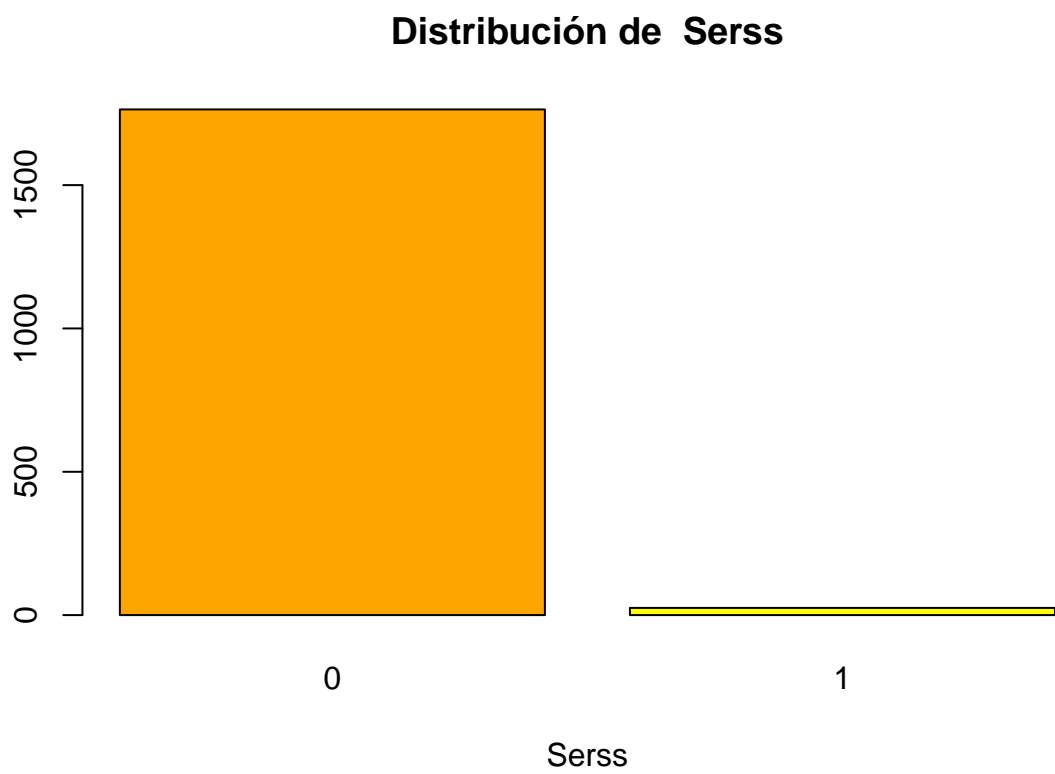
Distribución de Sercult

Sercult
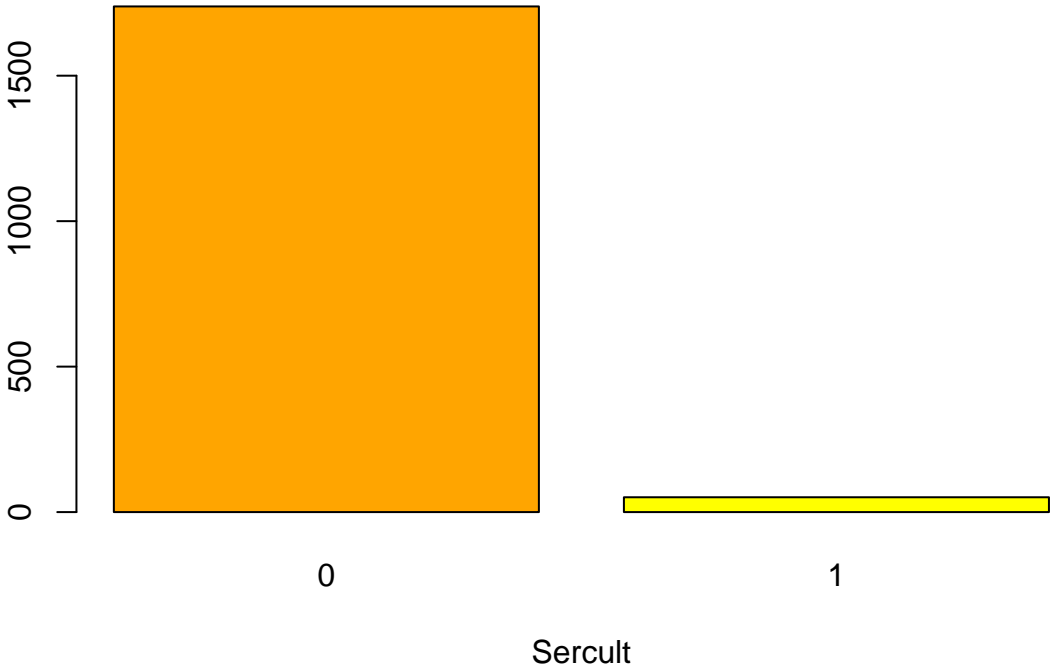
Distribución de Seroth

Seroth
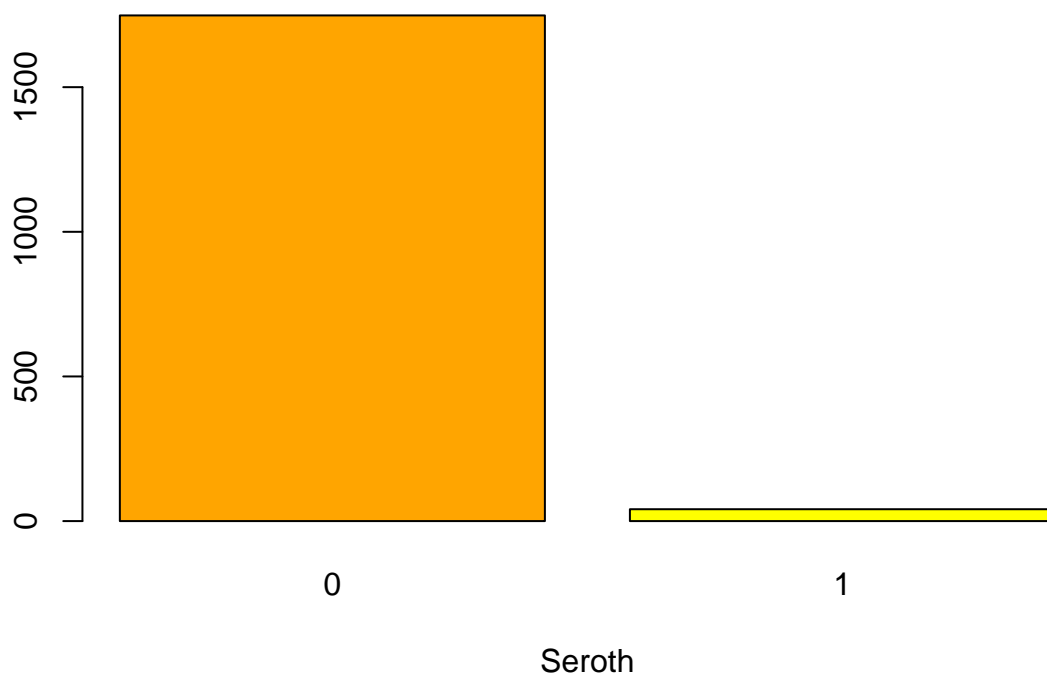
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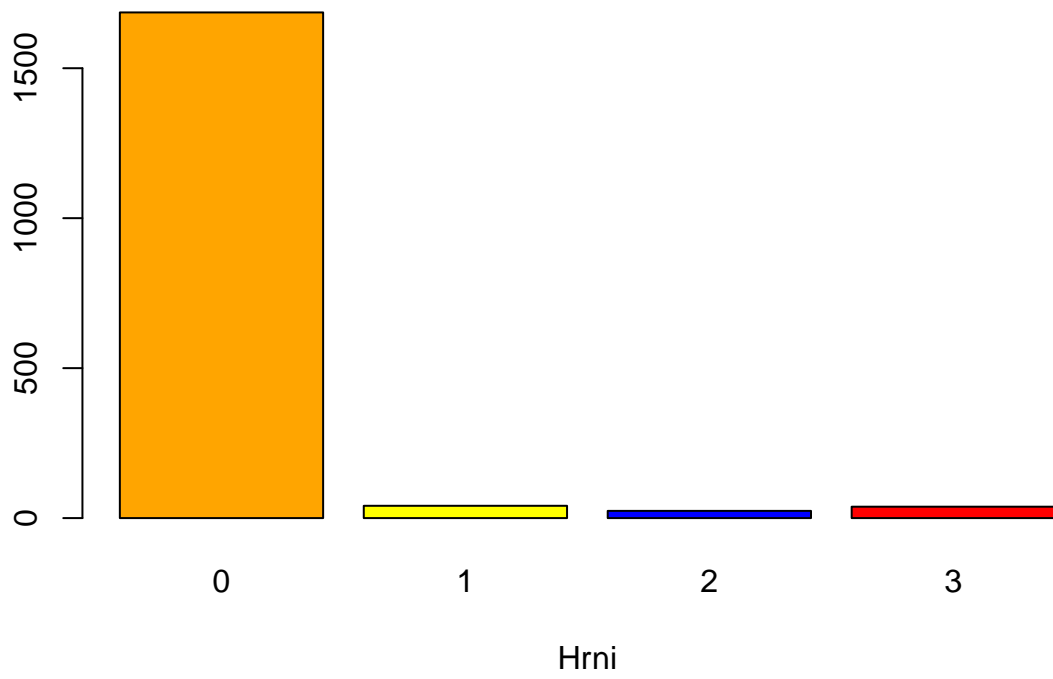
Hrni

Distribución de Hrnime

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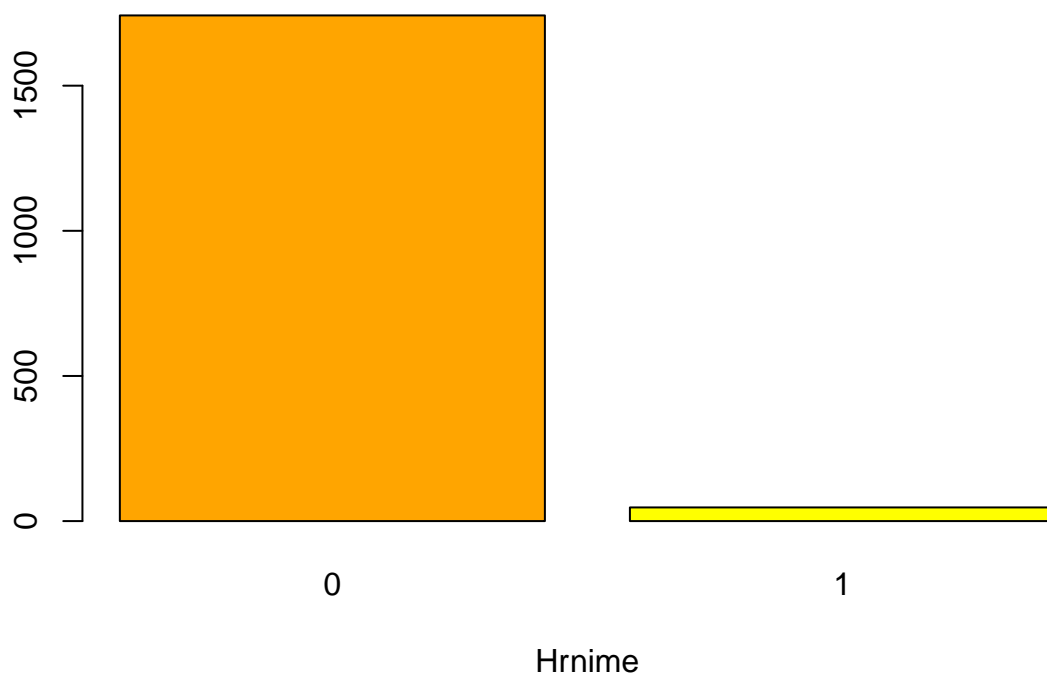
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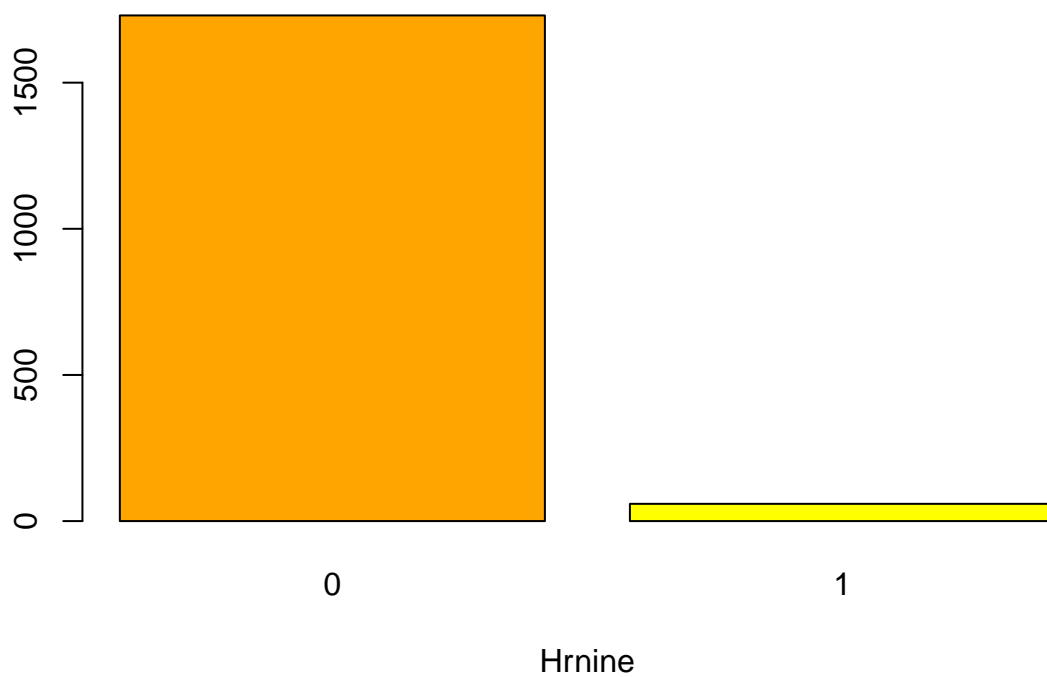
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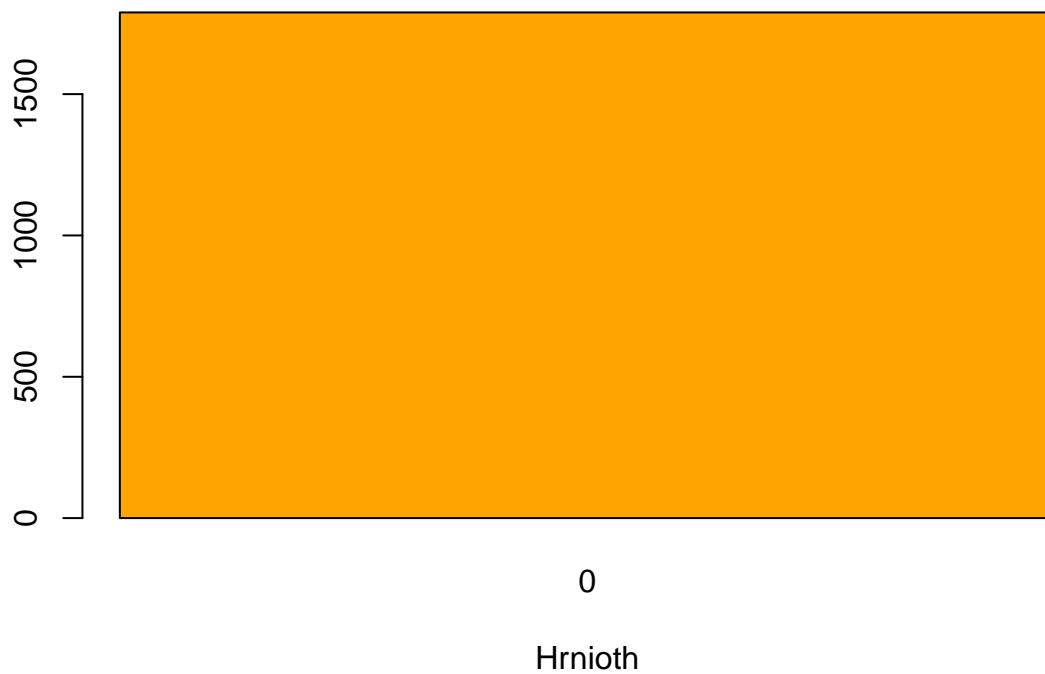
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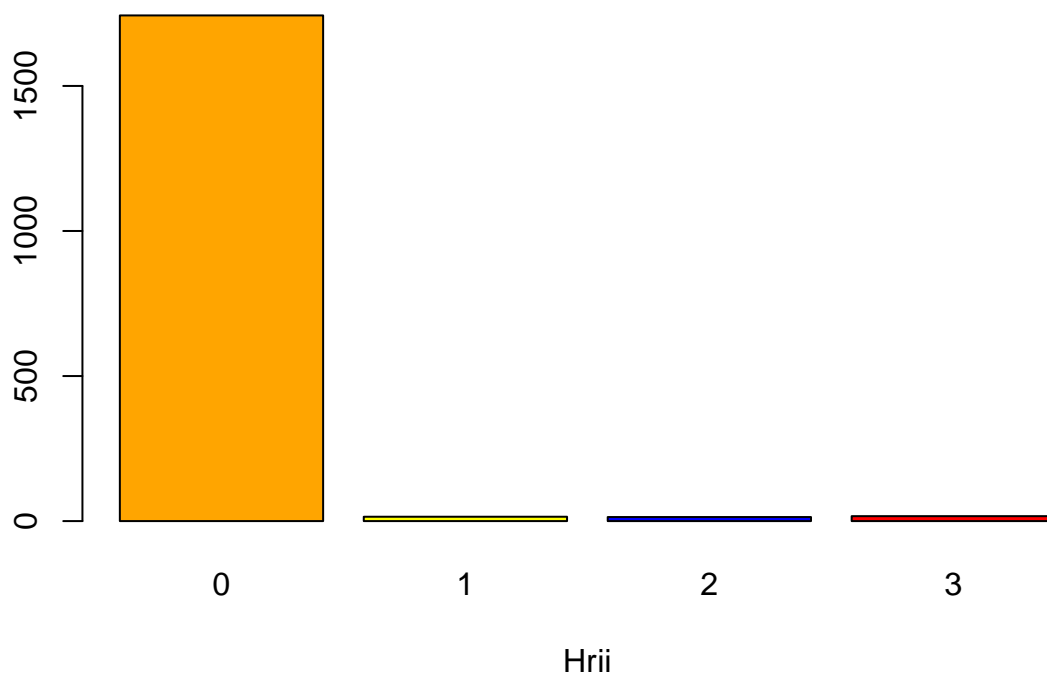
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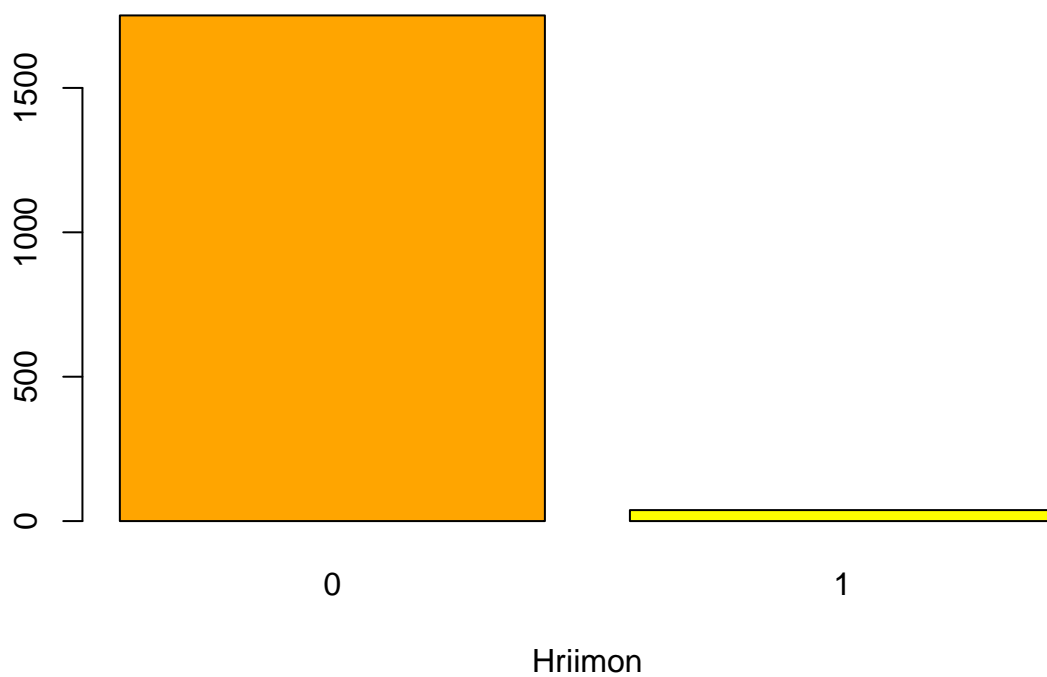
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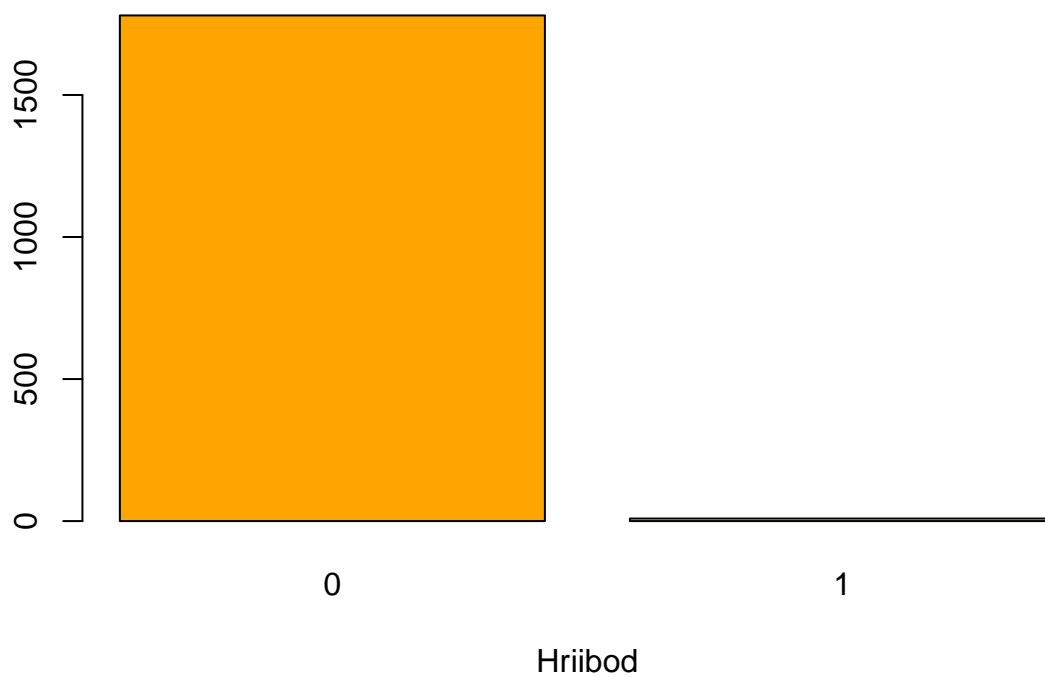
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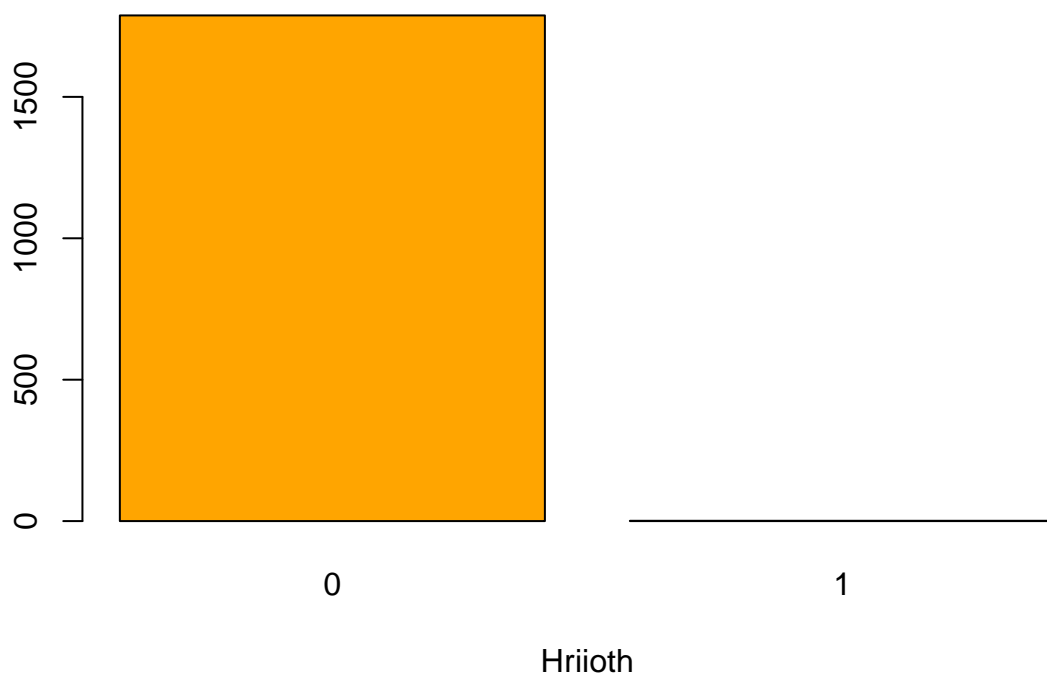
Distribución de Hrmob

Hrmob

Distribución de Hrdet

Hrdet

Distribución de Med
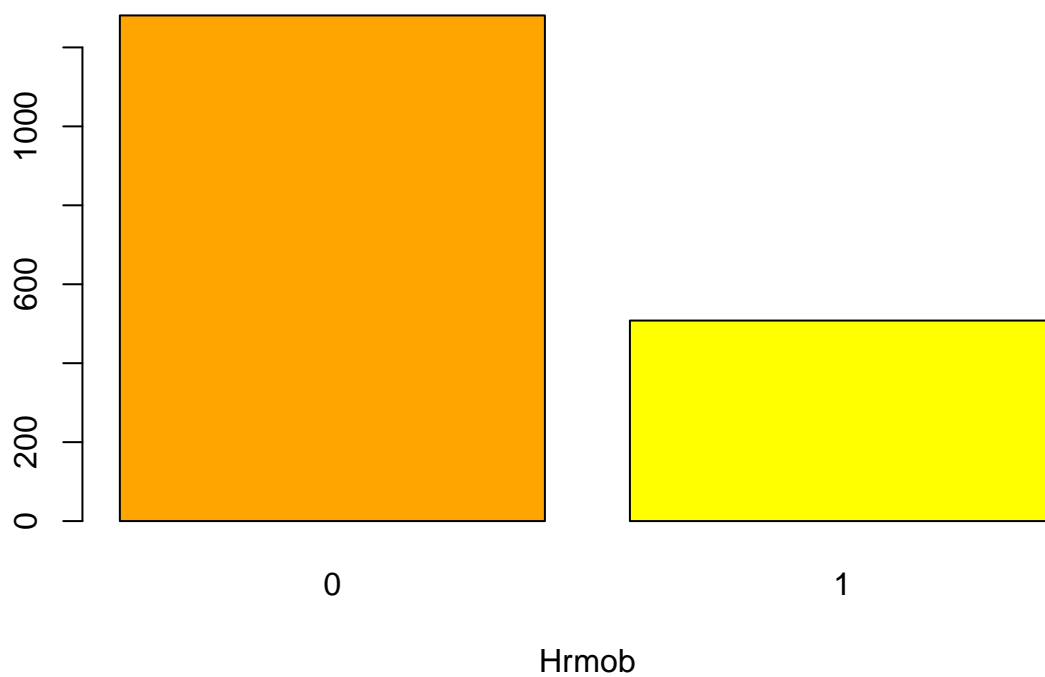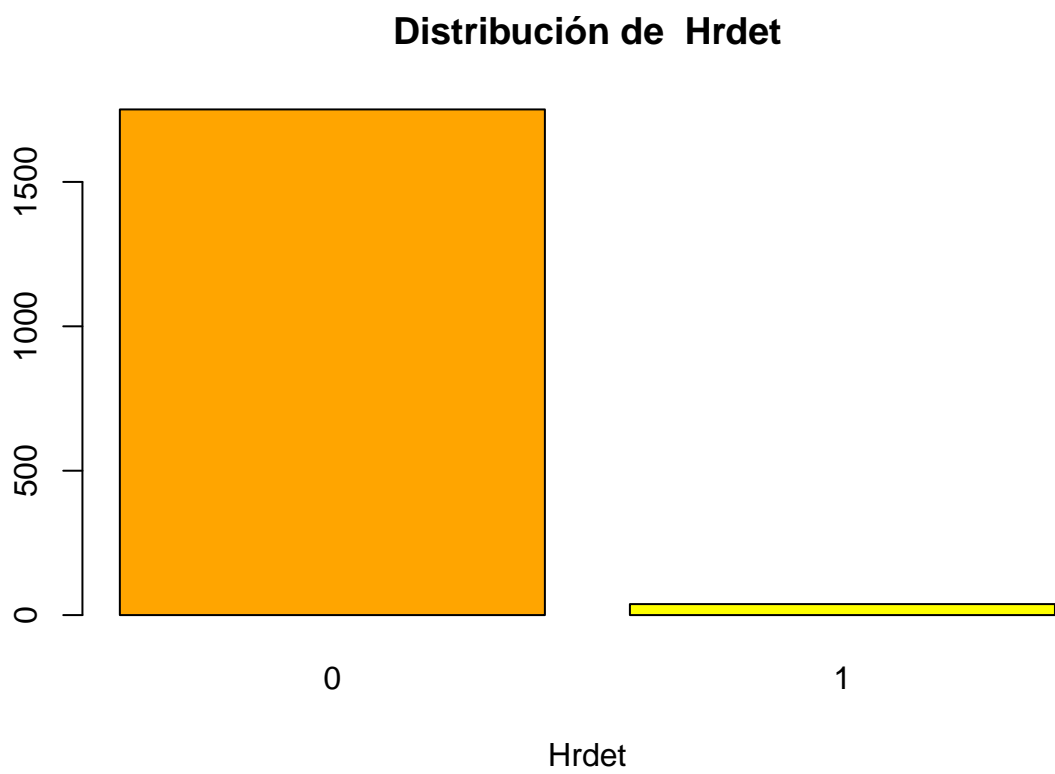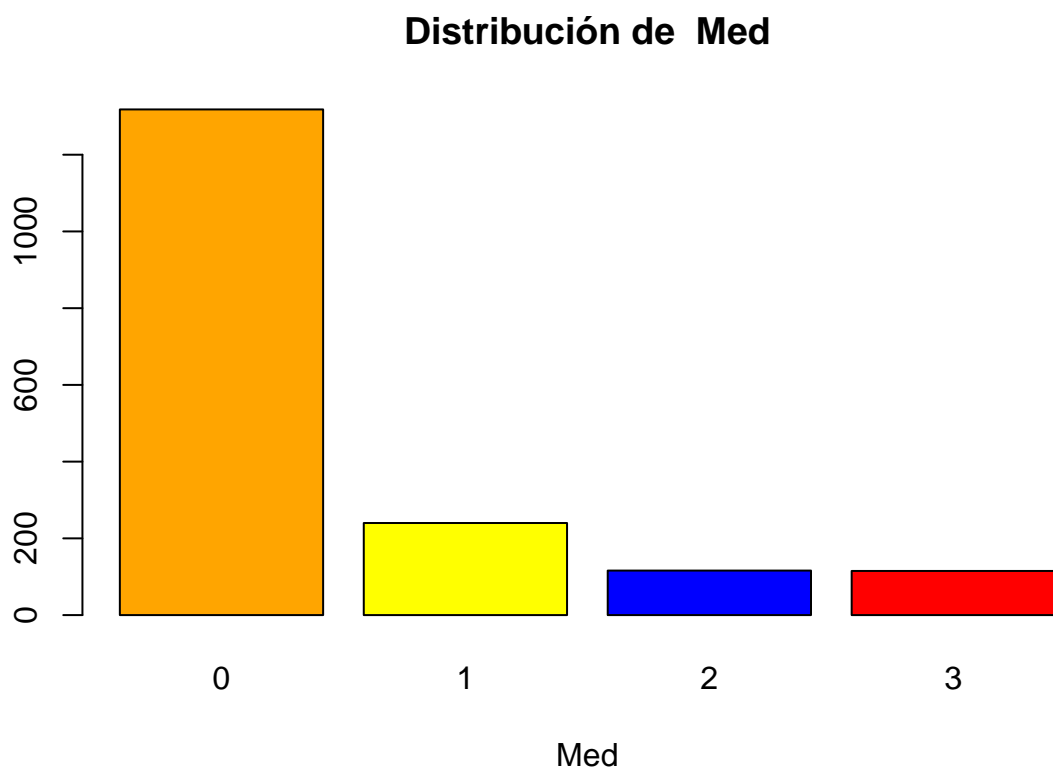
Distribución de Medgov

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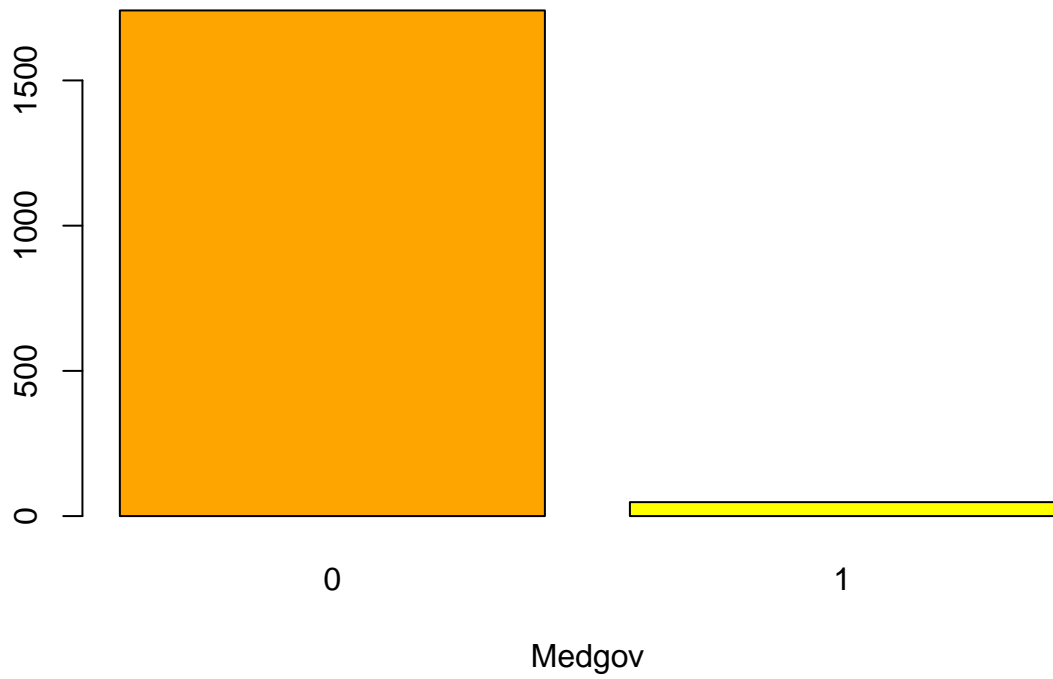
Distribución de Medsubs

Medsubs
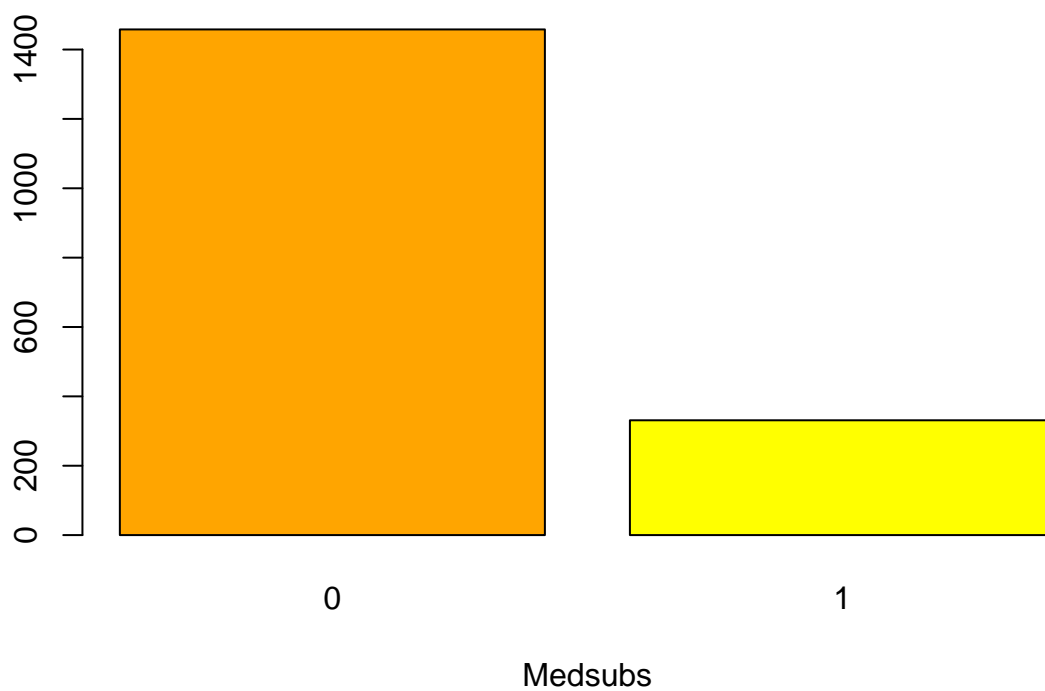
Distribución de Medlog

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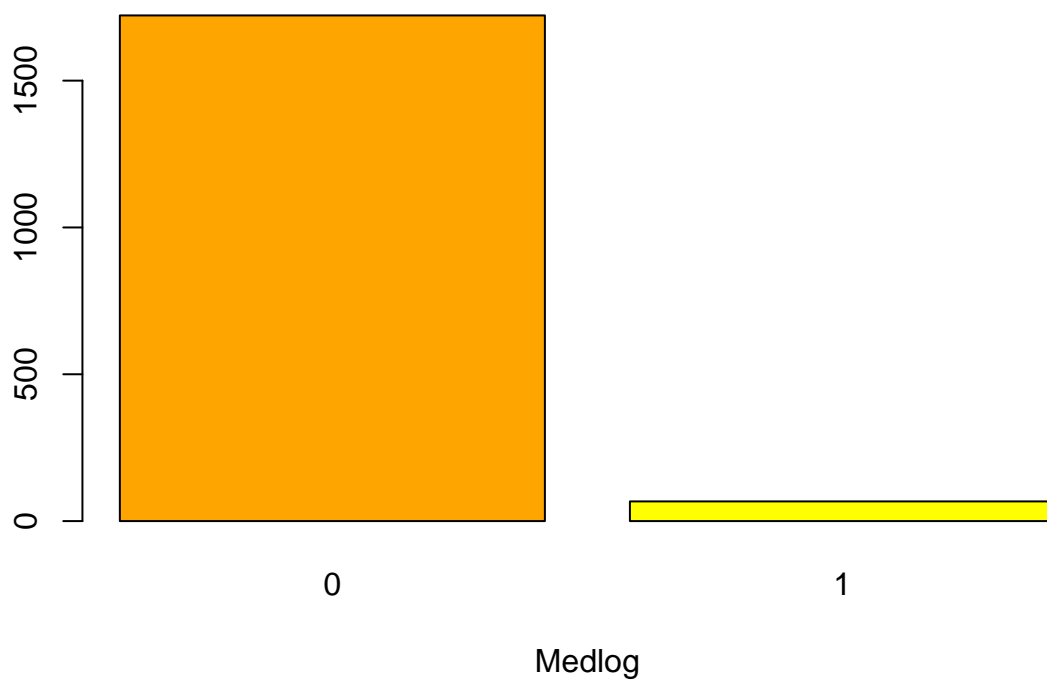
Distribución de Medoth

Medoth
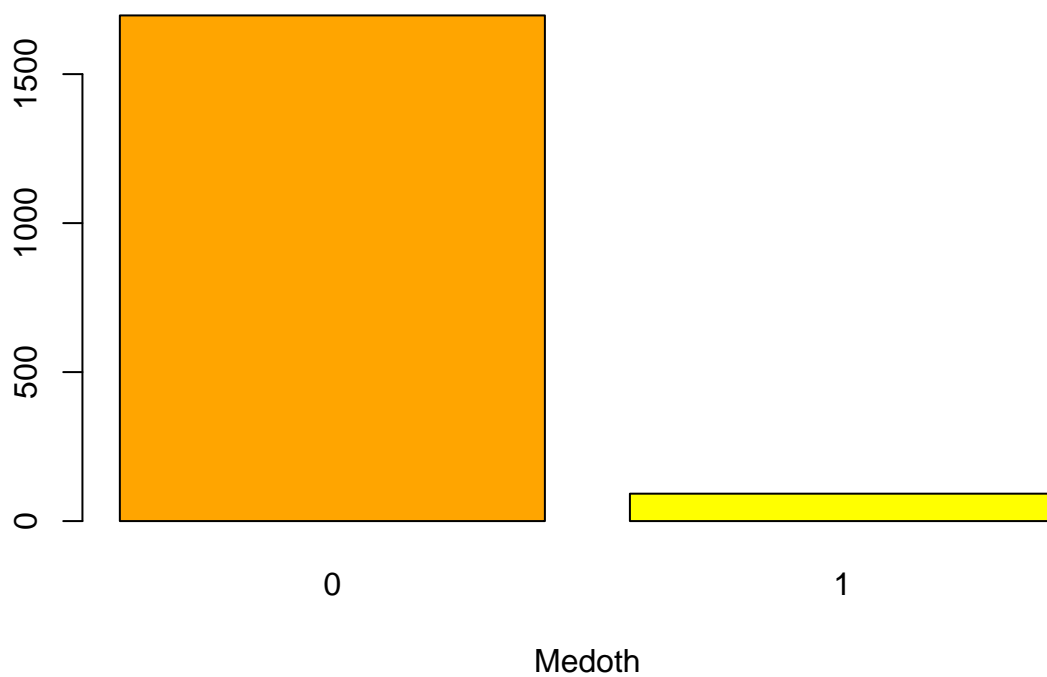
Distribución de Hrcit

Hrcit
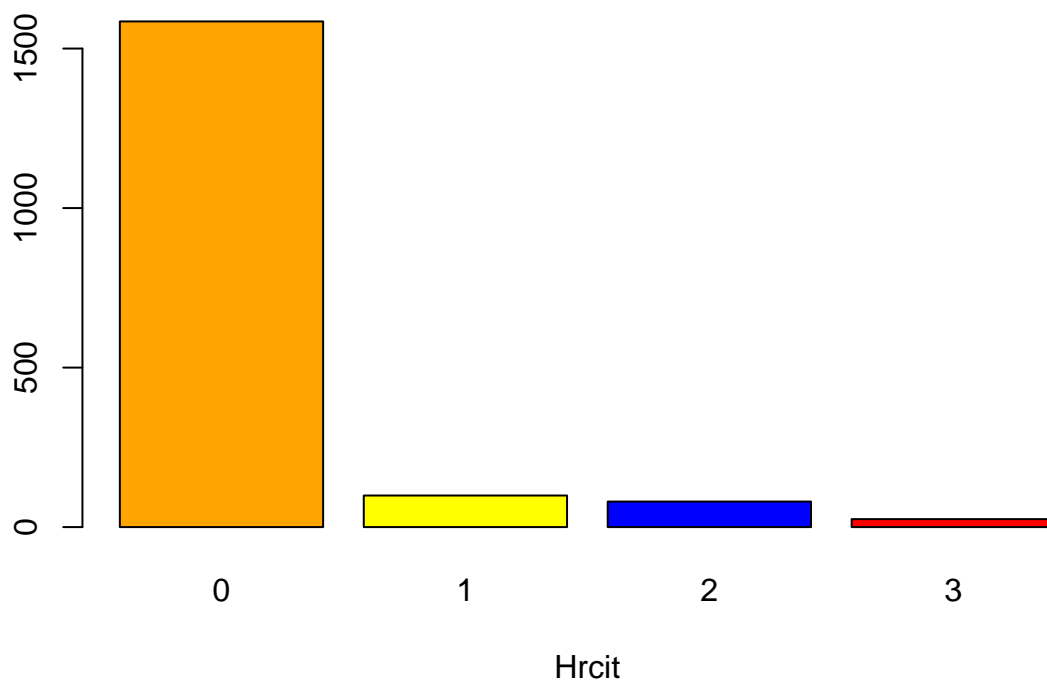
Distribución de Citgen

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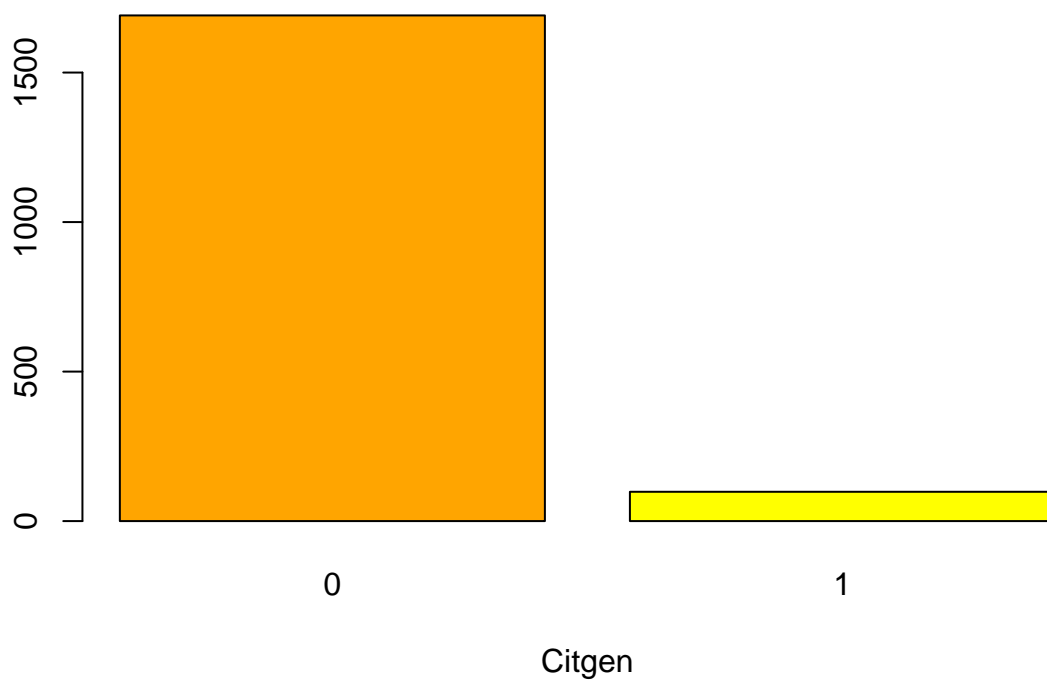
Distribución de Citrights

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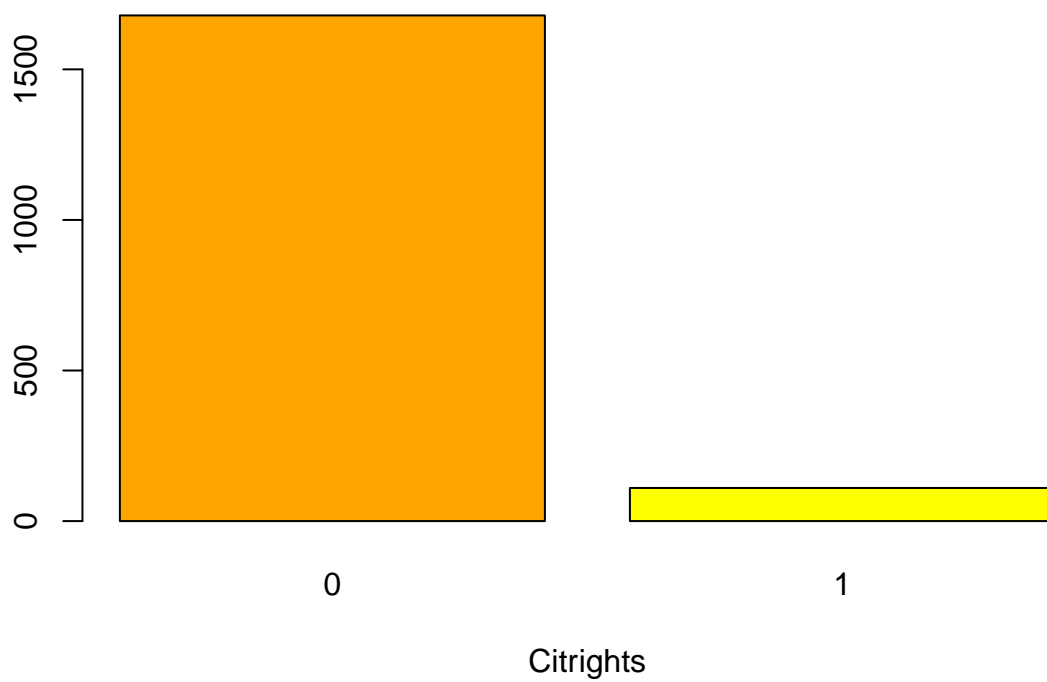
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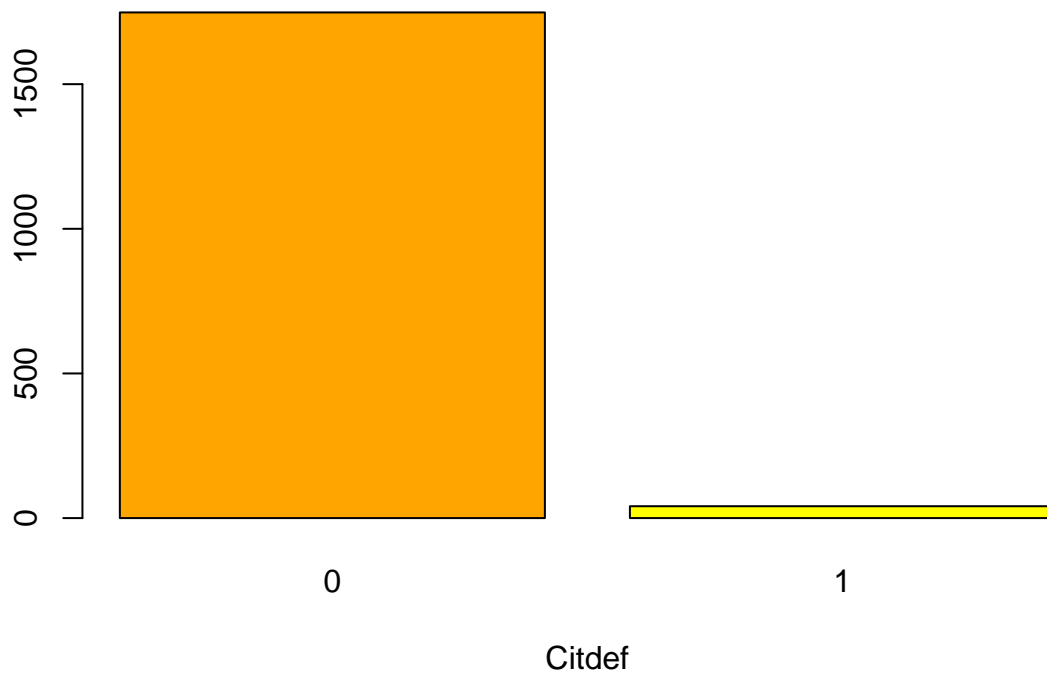
Distribución de Citoth

Citoth

Distribución de Juscr
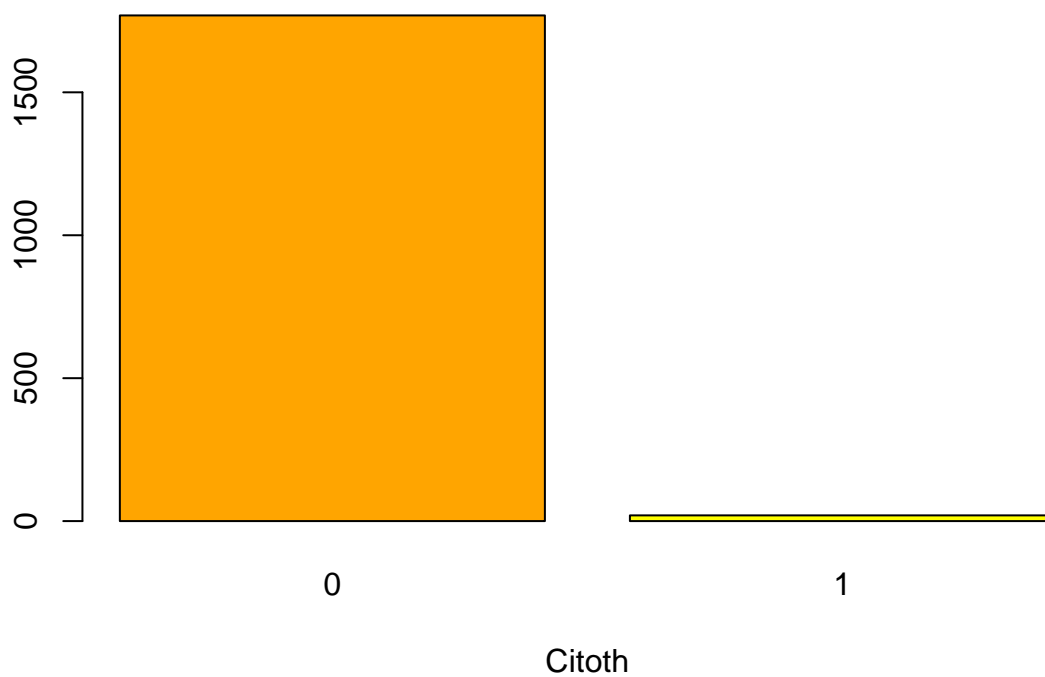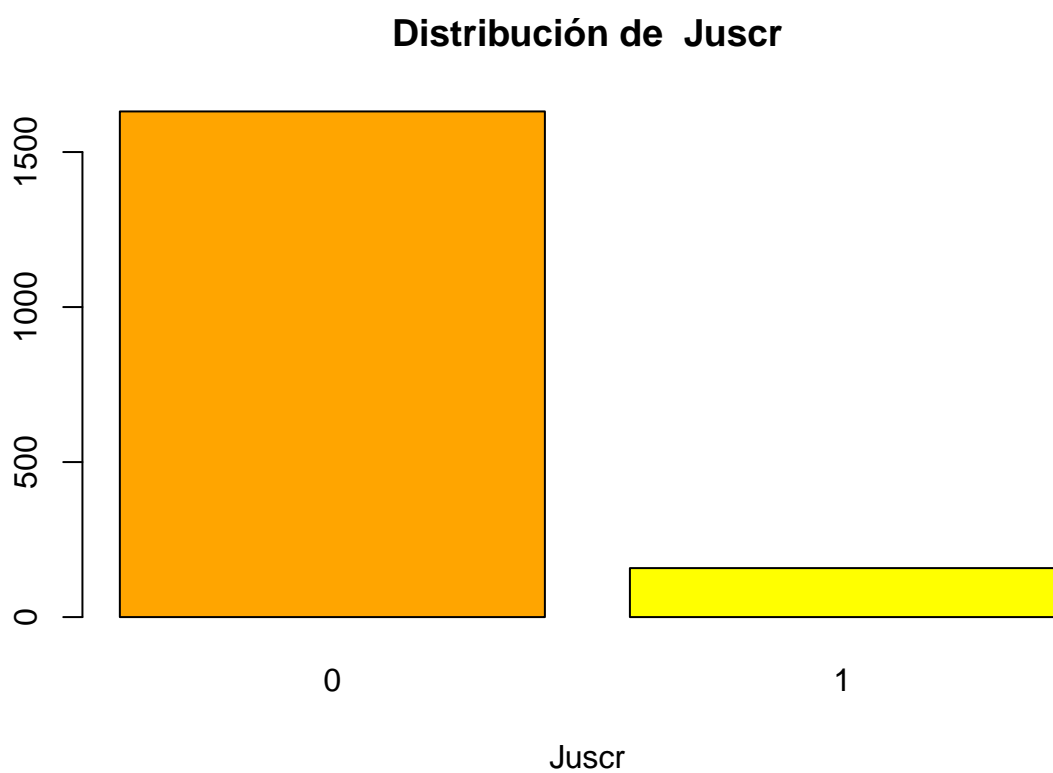
Juscr

Distribución de Juscrsp
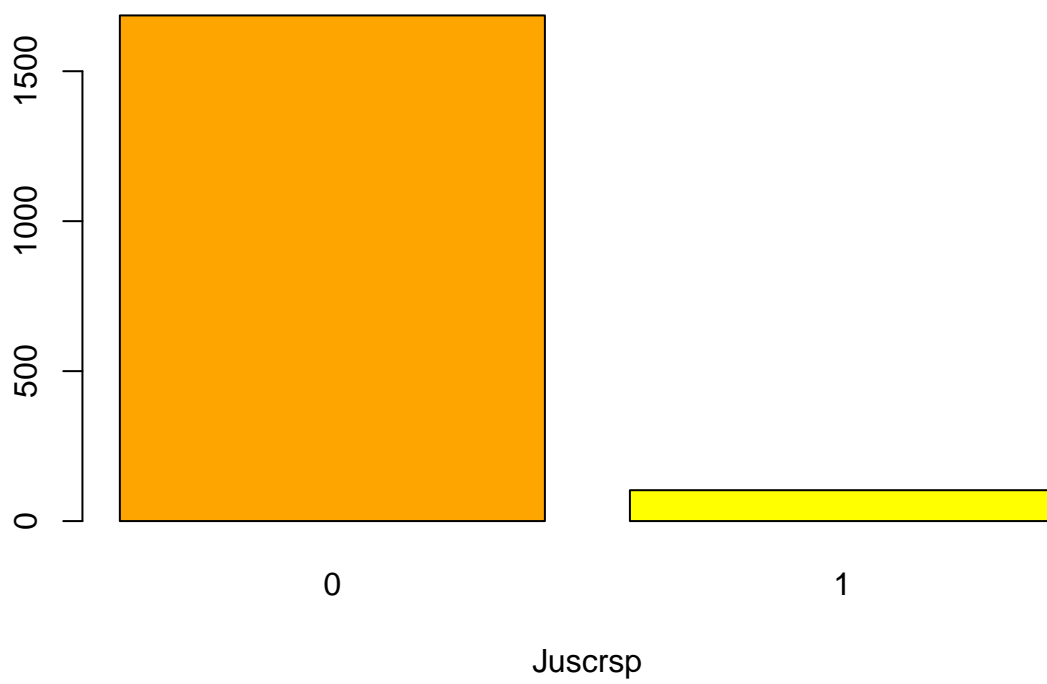
Juscrsp

Distribución de Juscrsys

Juscrsys
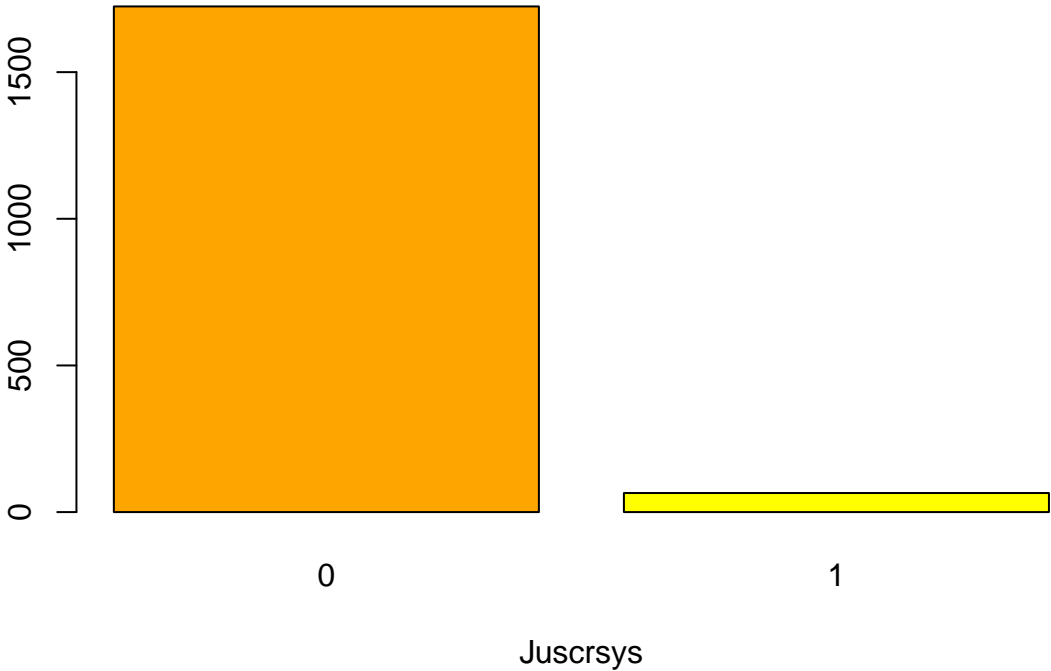
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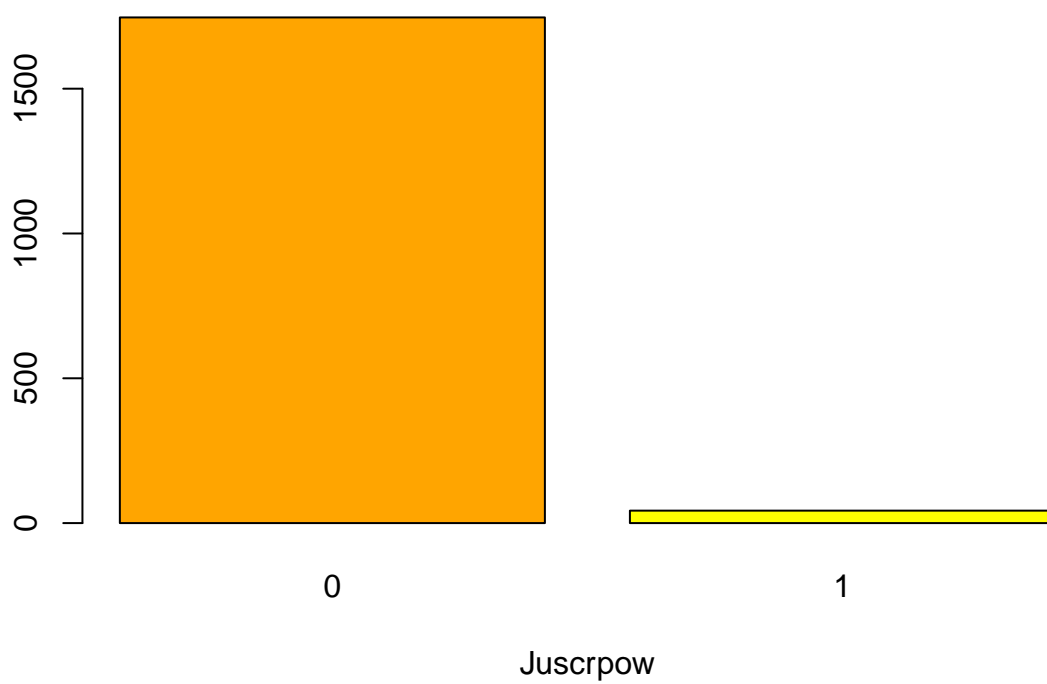
Distribución de Jusem

Jusem

Distribución de Jusju

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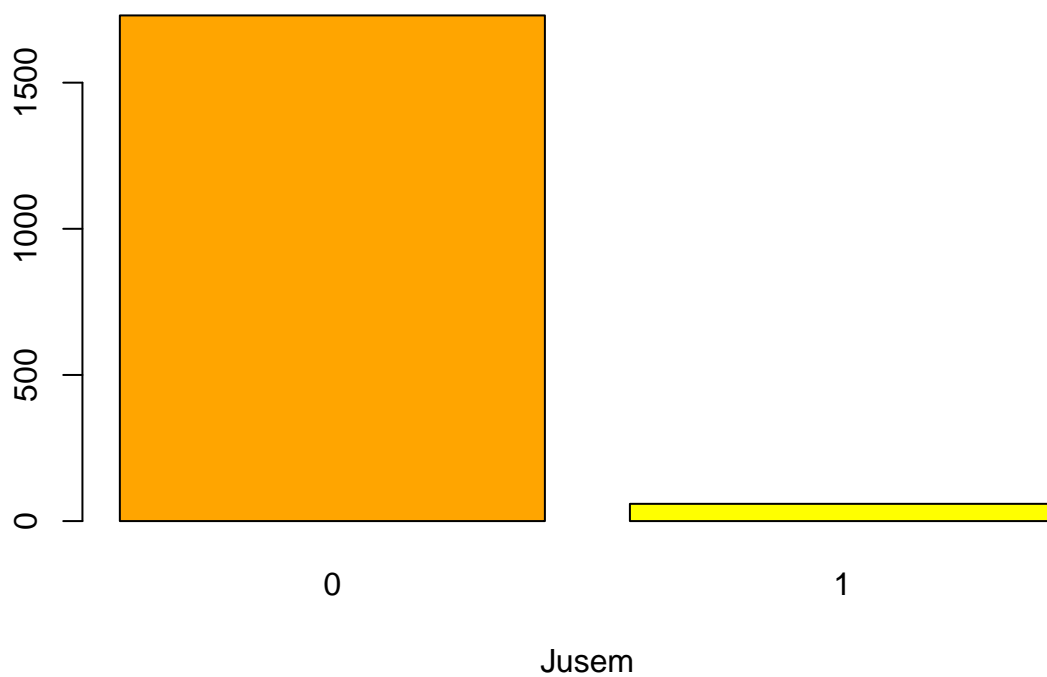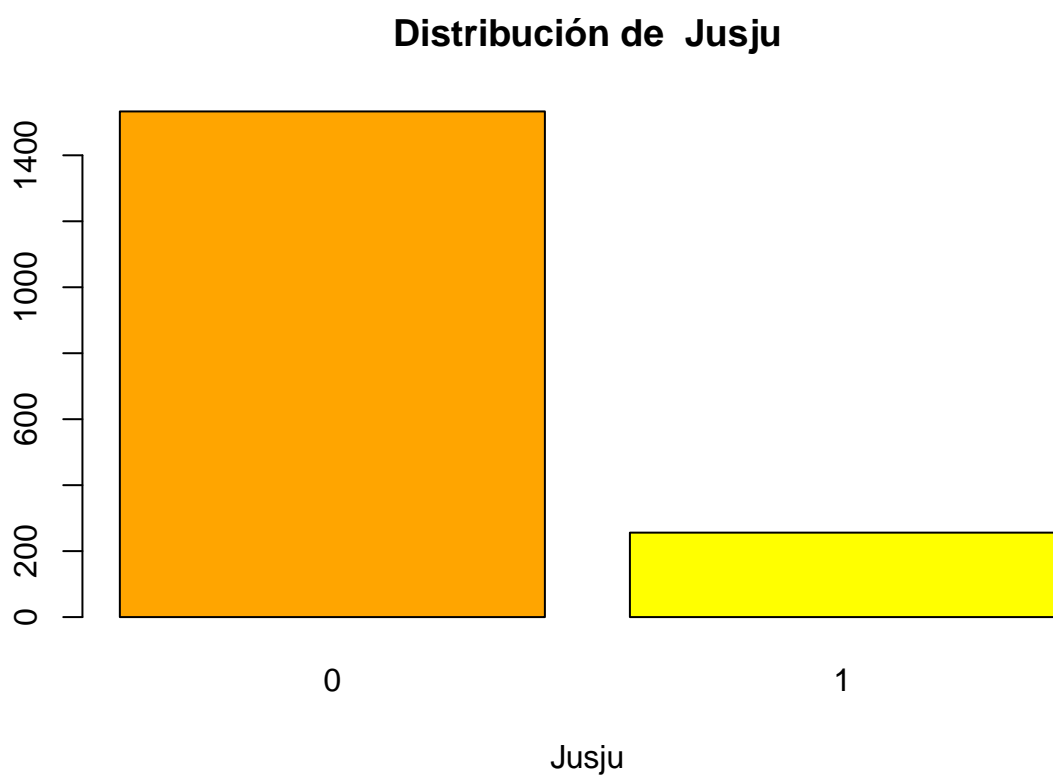
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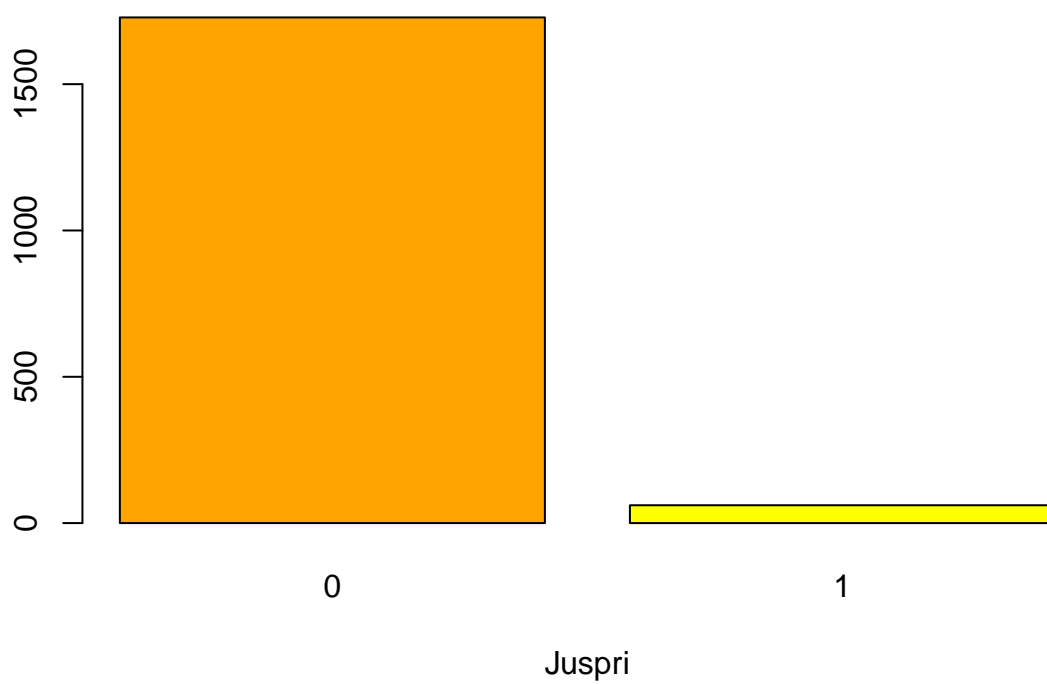
Distribución de Justra

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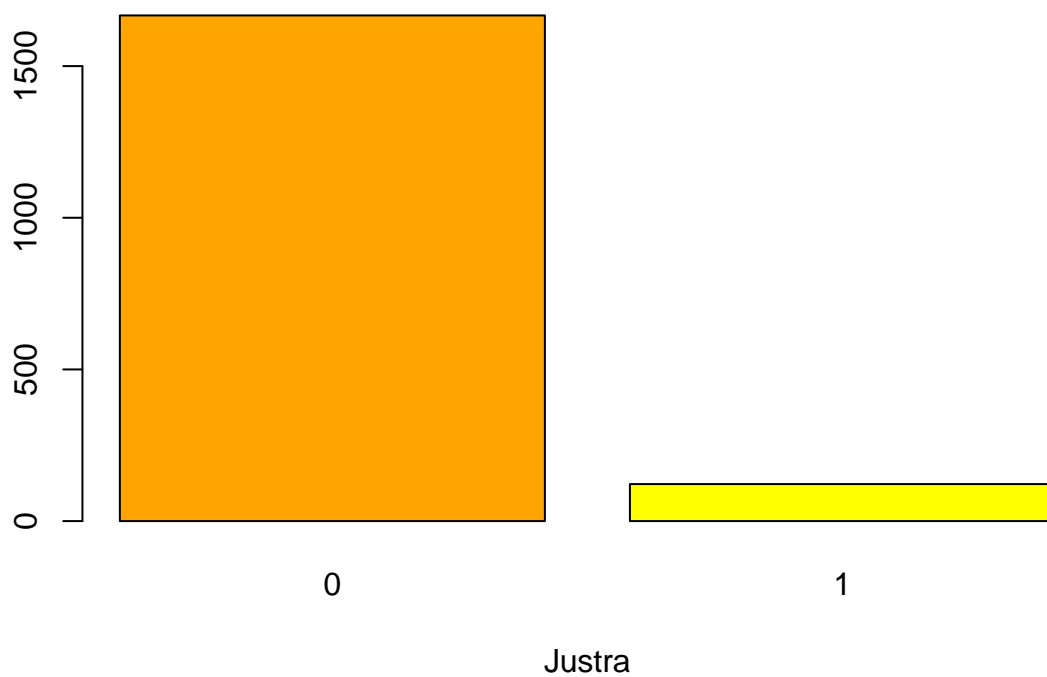
Distribución de Dev

Dev
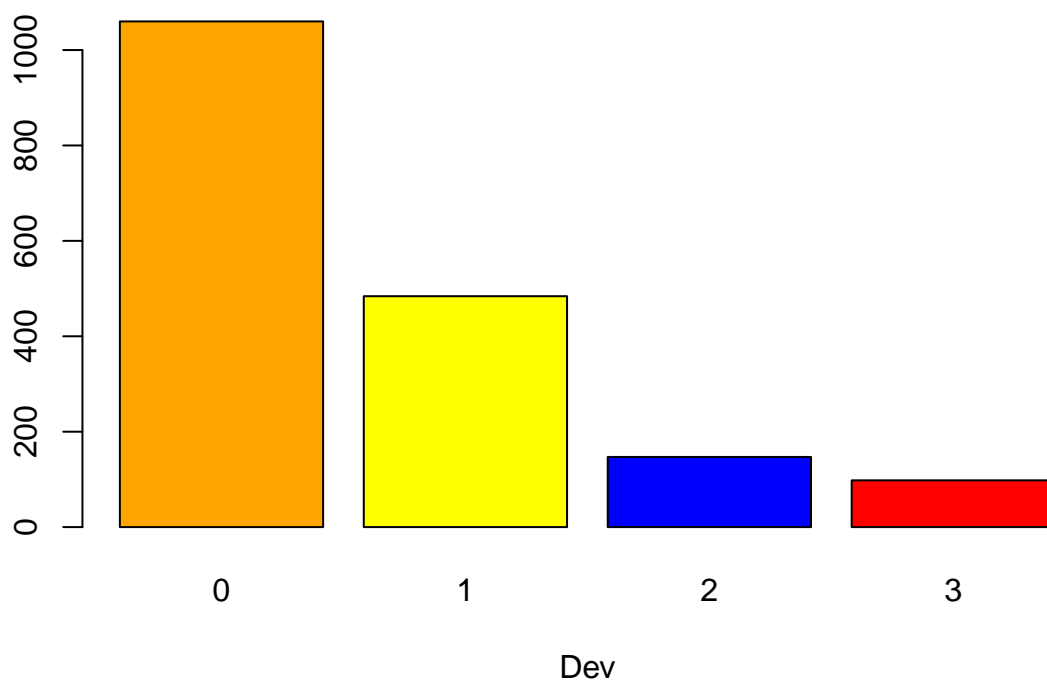
Distribución de Devsoc

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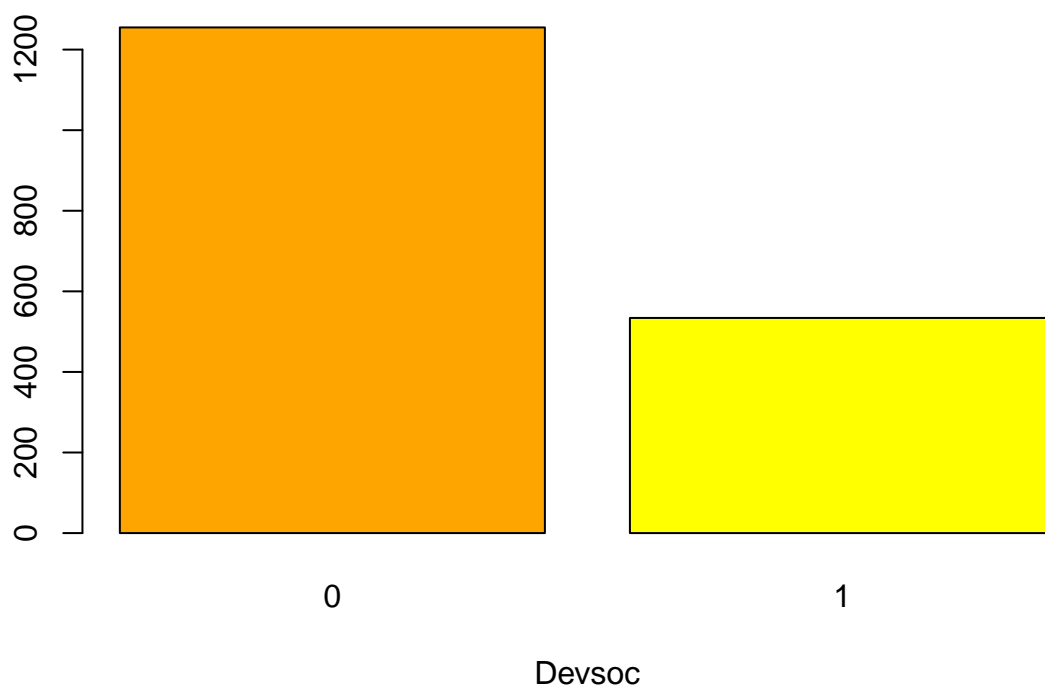
Distribución de Devhum

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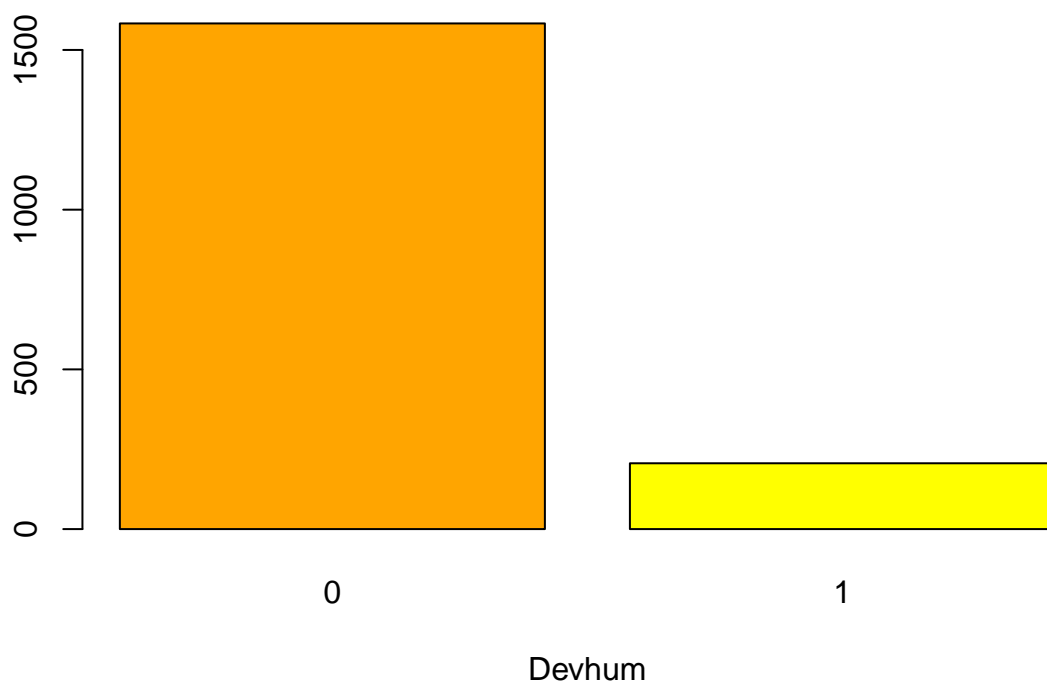
Distribución de Devinfra

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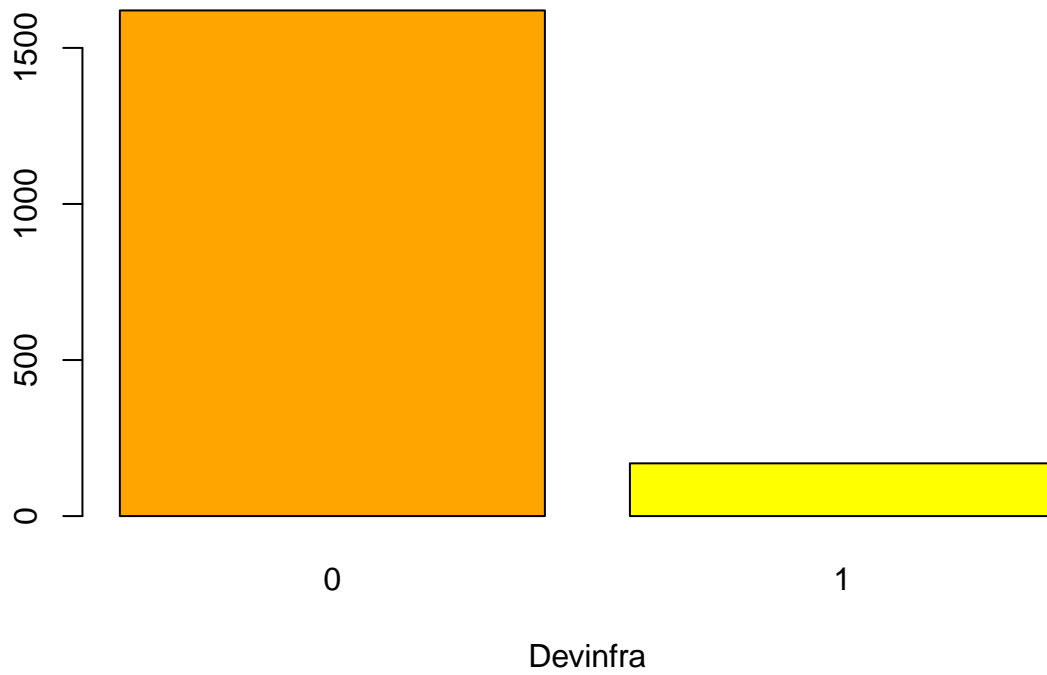
Distribución de Nec

Nec
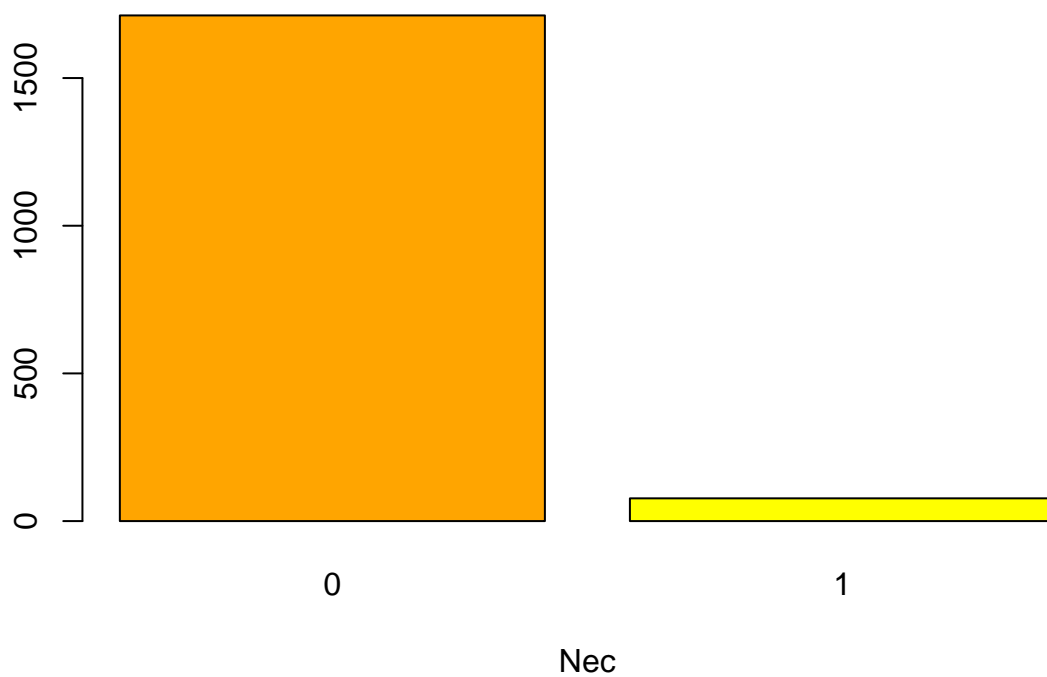
Distribución de Natres

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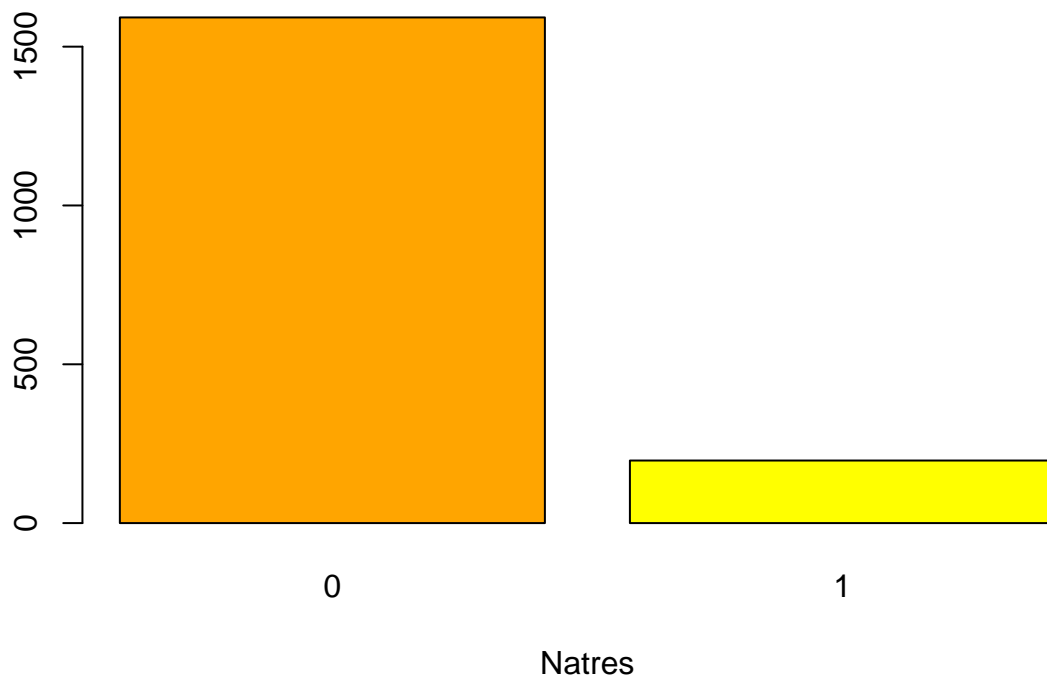
Distribución de Intfu

Intfu
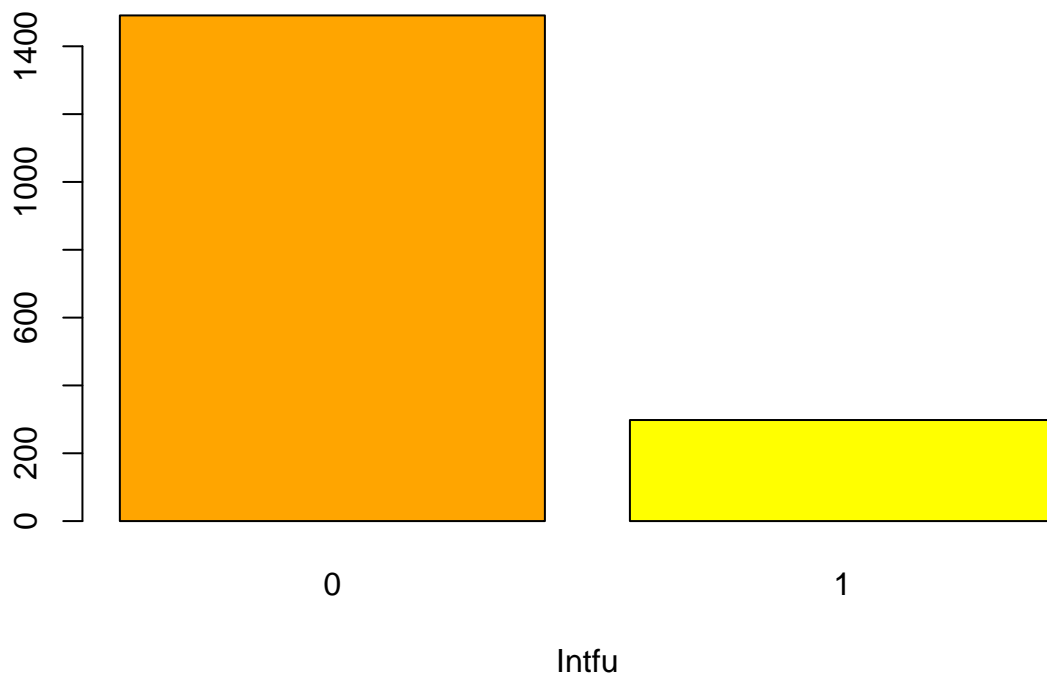
Distribución de Bus

Bus

Distribución de Tax

Tax

Distribución de Taxpo

Taxpo
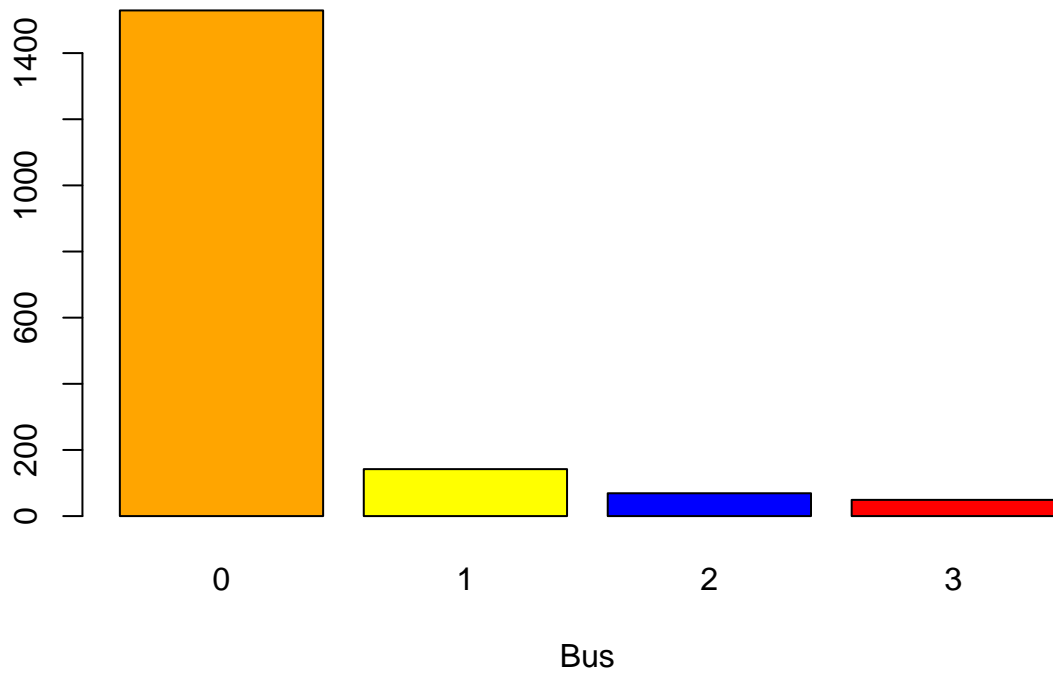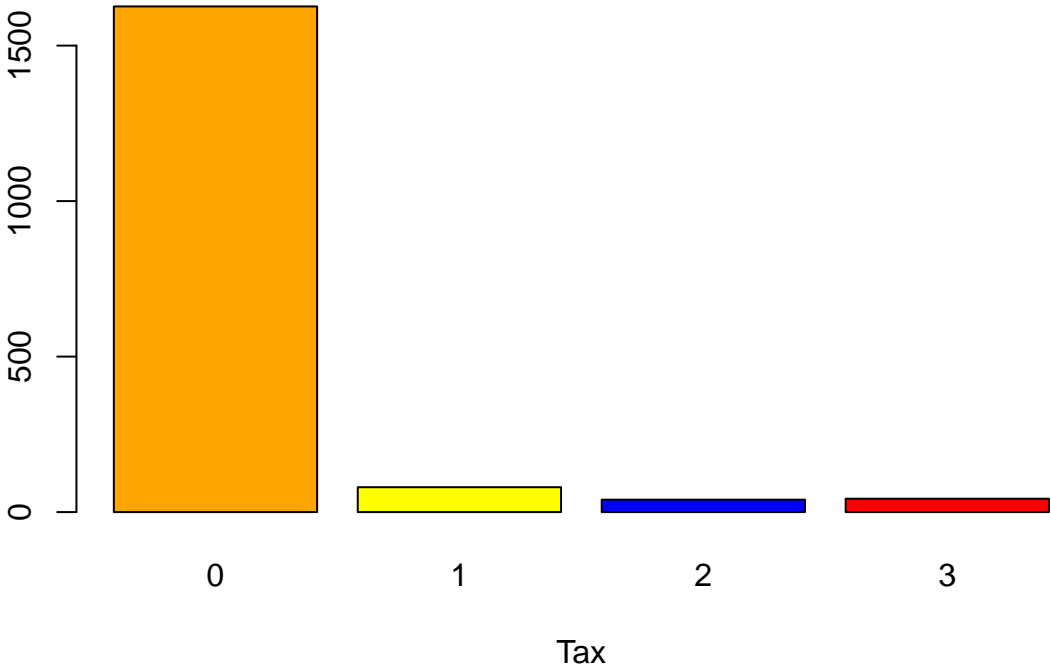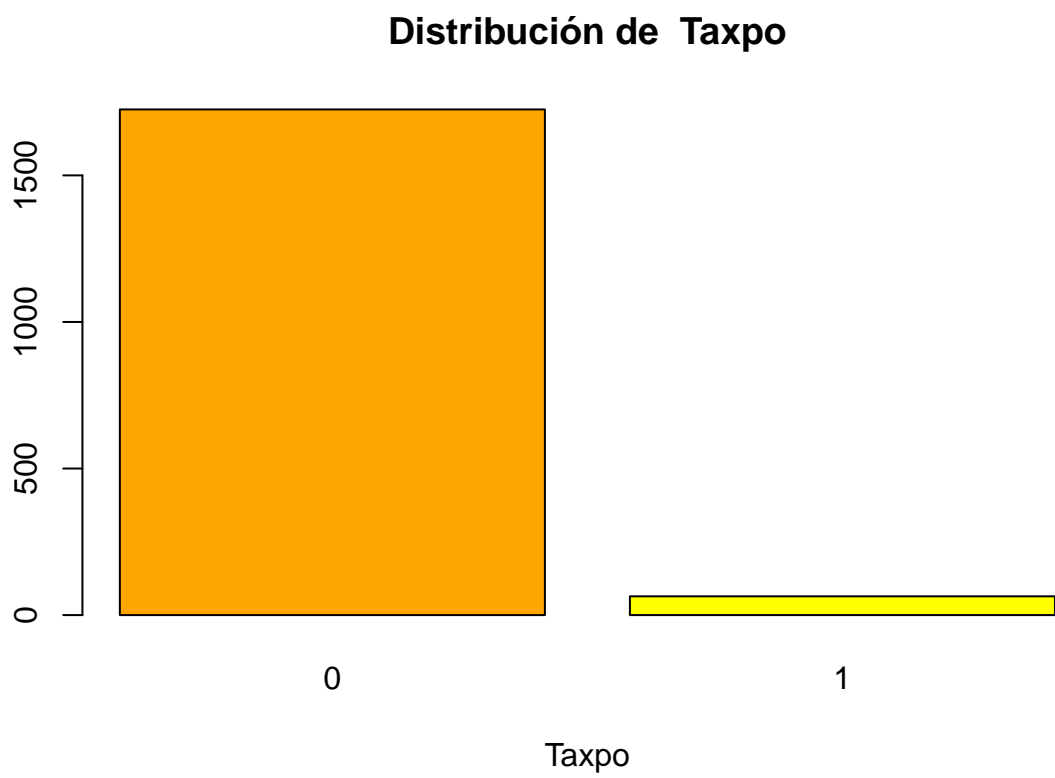
Distribución de Taxref

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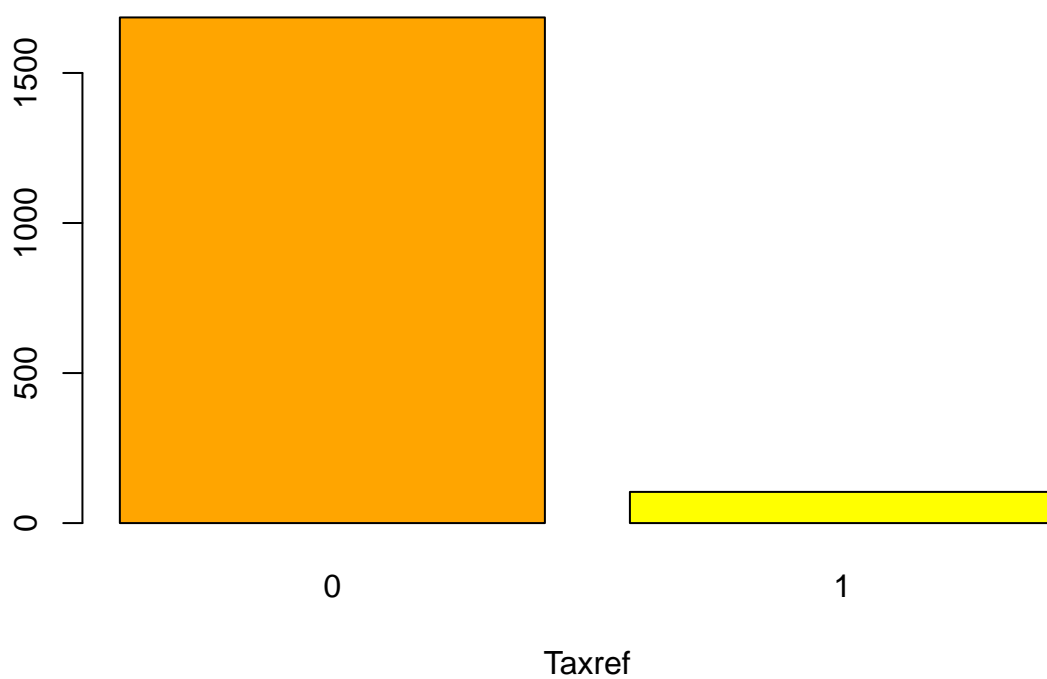
Distribución de Taxoth

Taxoth

Distribución de Ban

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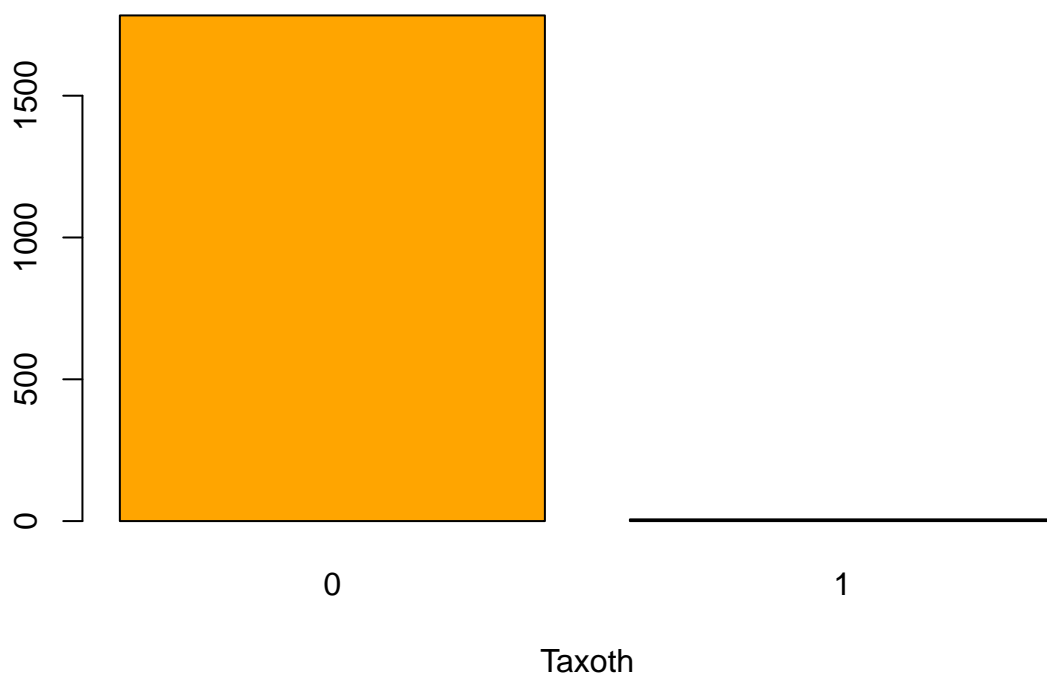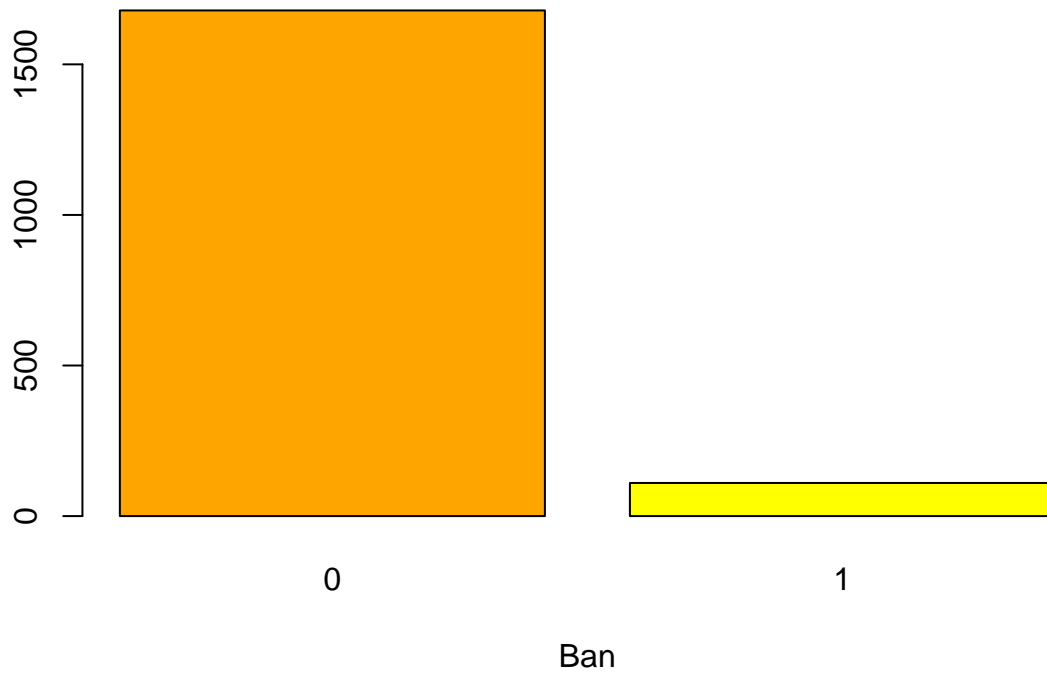
Distribución de Cenban

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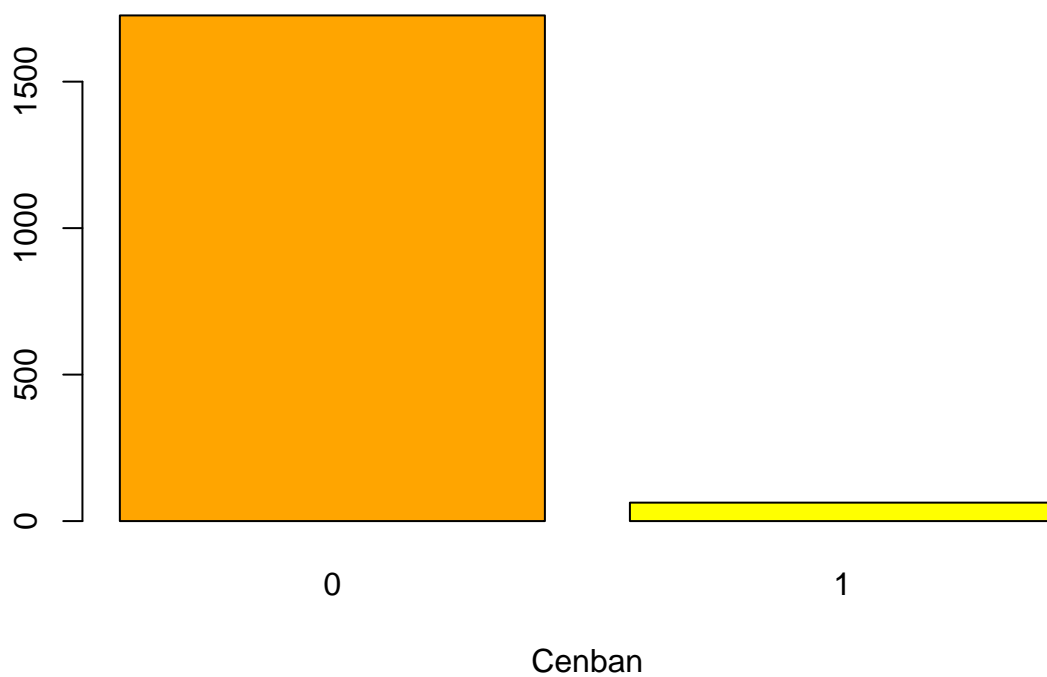
Distribución de Banpers

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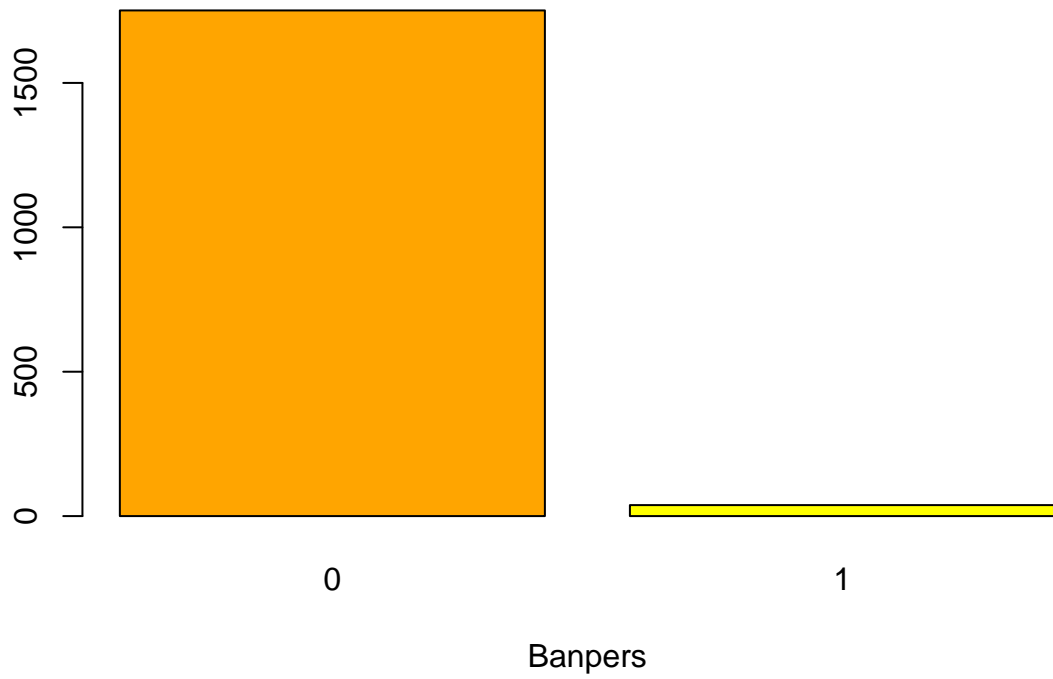
Distribución de Banint

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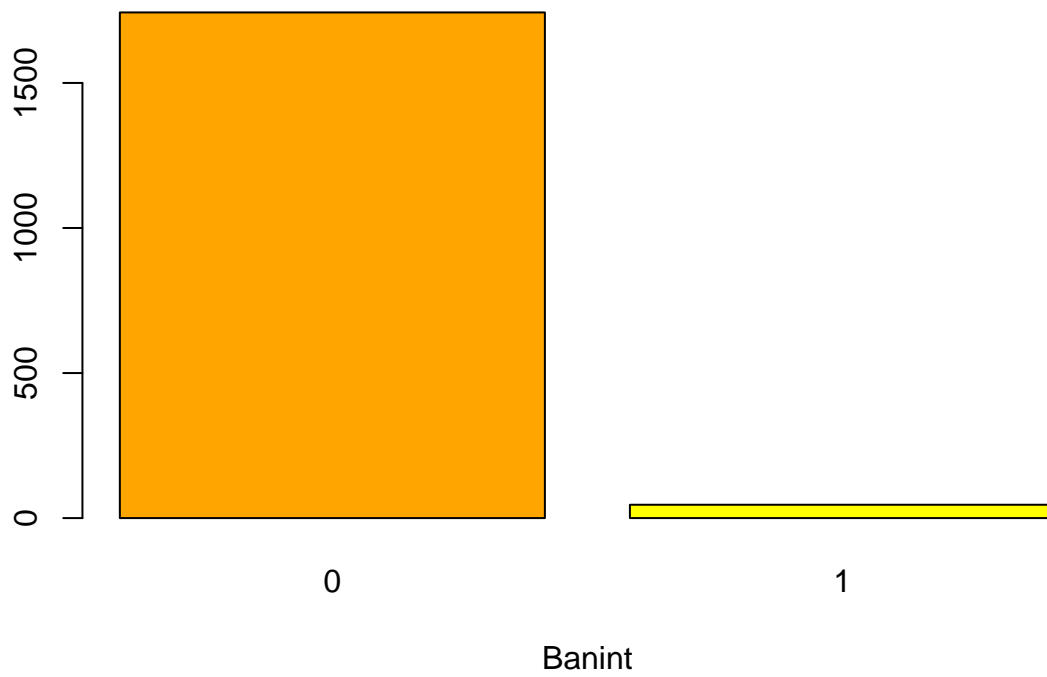
Distribución de Banxb

Banxb

Distribución de Laref
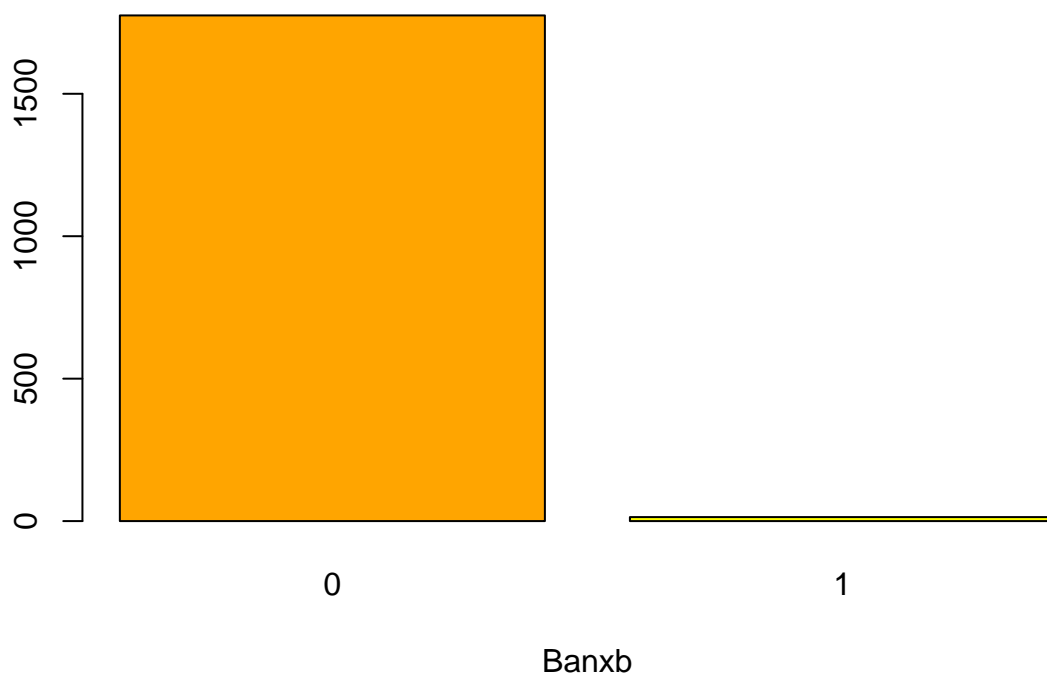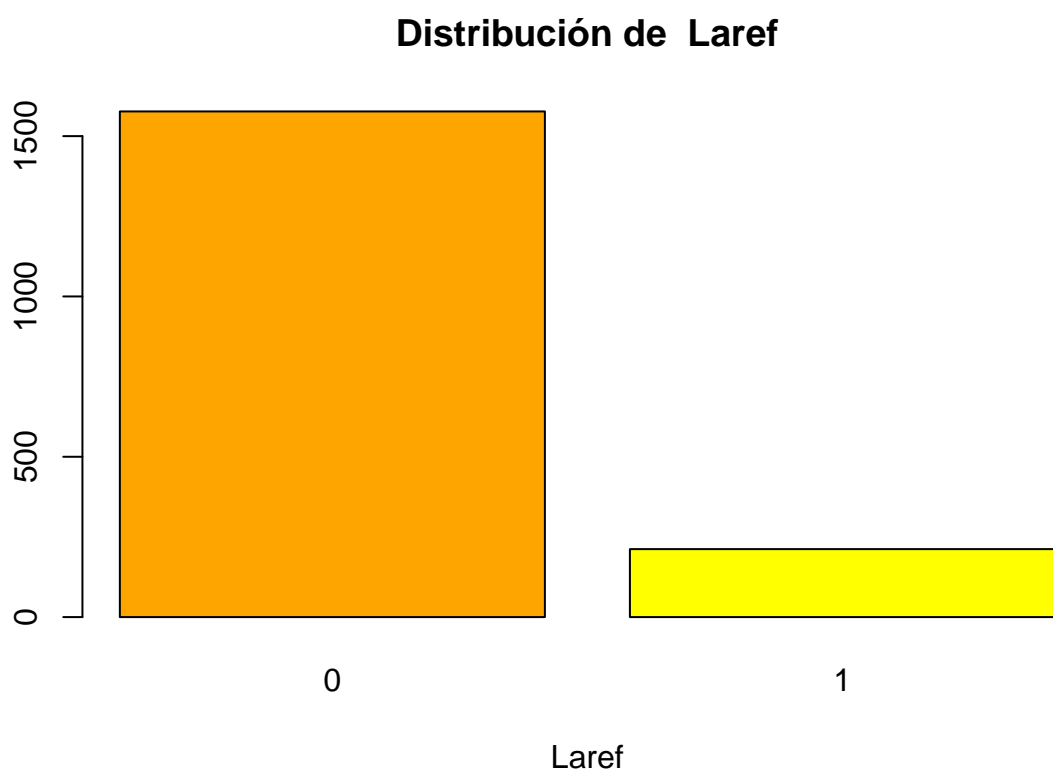
Laref

Distribución de Larefman

Larefman
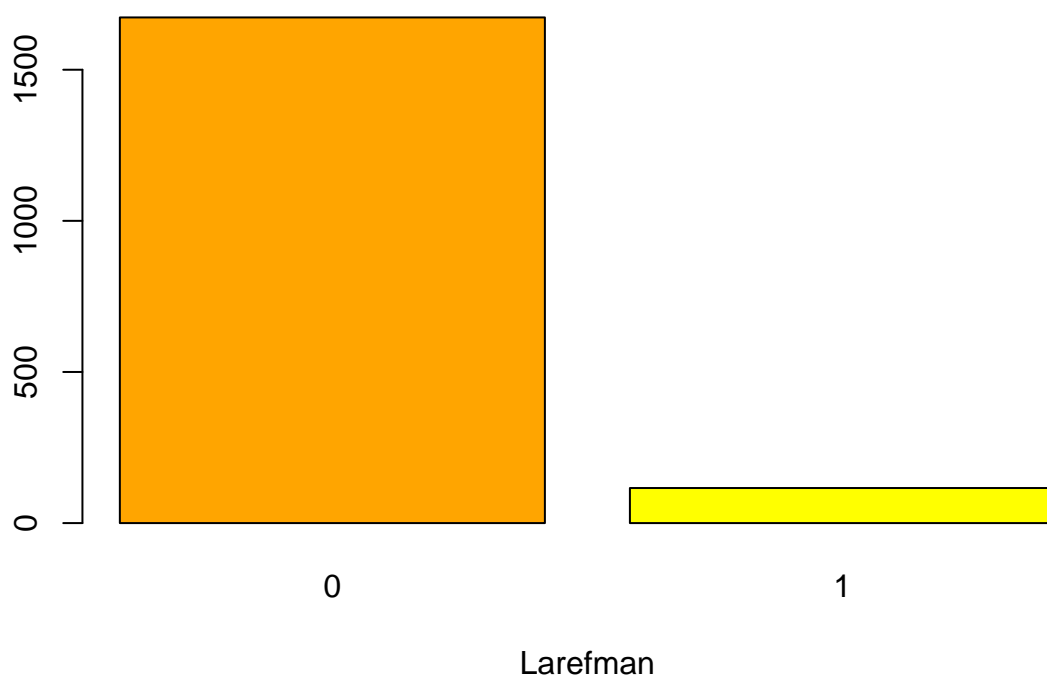
Distribución de Larefret

Larefret
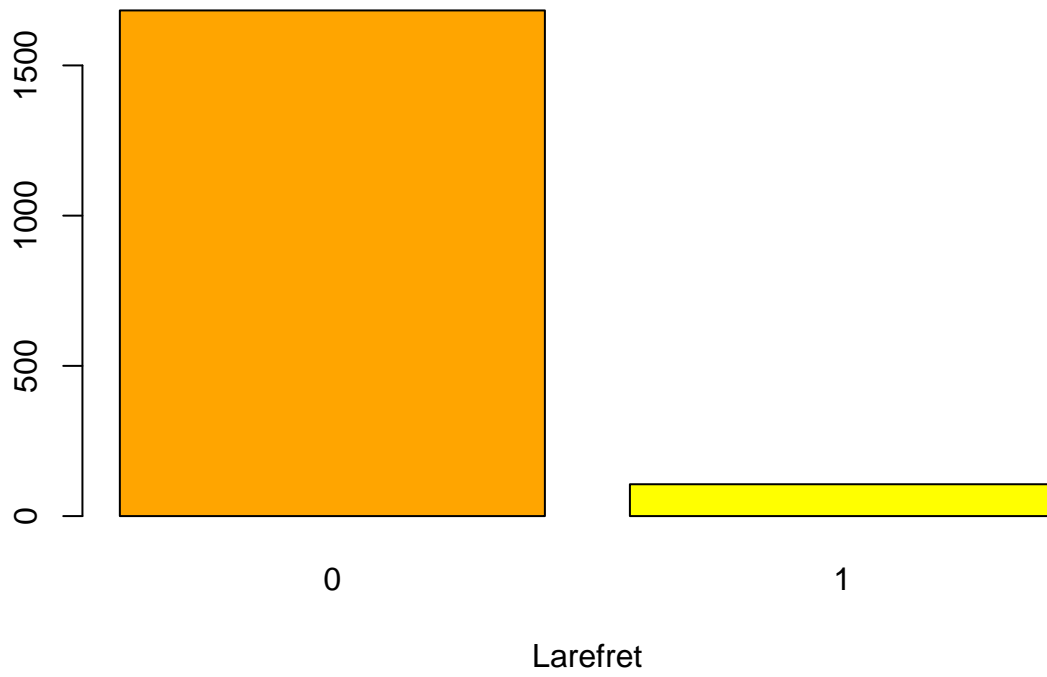
Distribución de Larefoth

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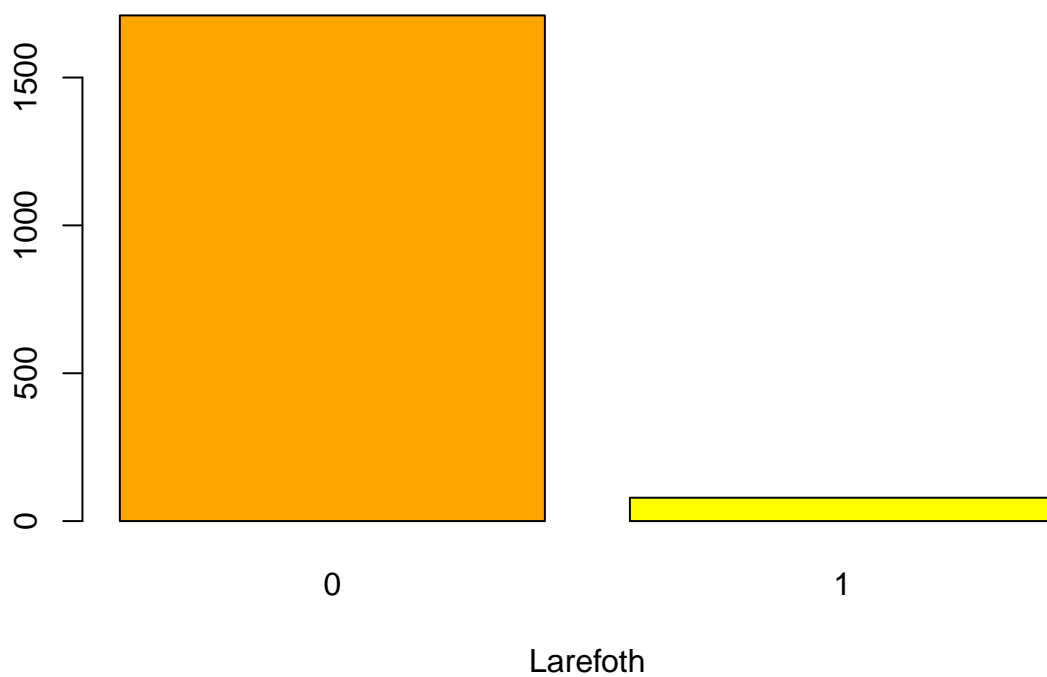
Distribución de Lanom

Lanom

Distribución de Lach
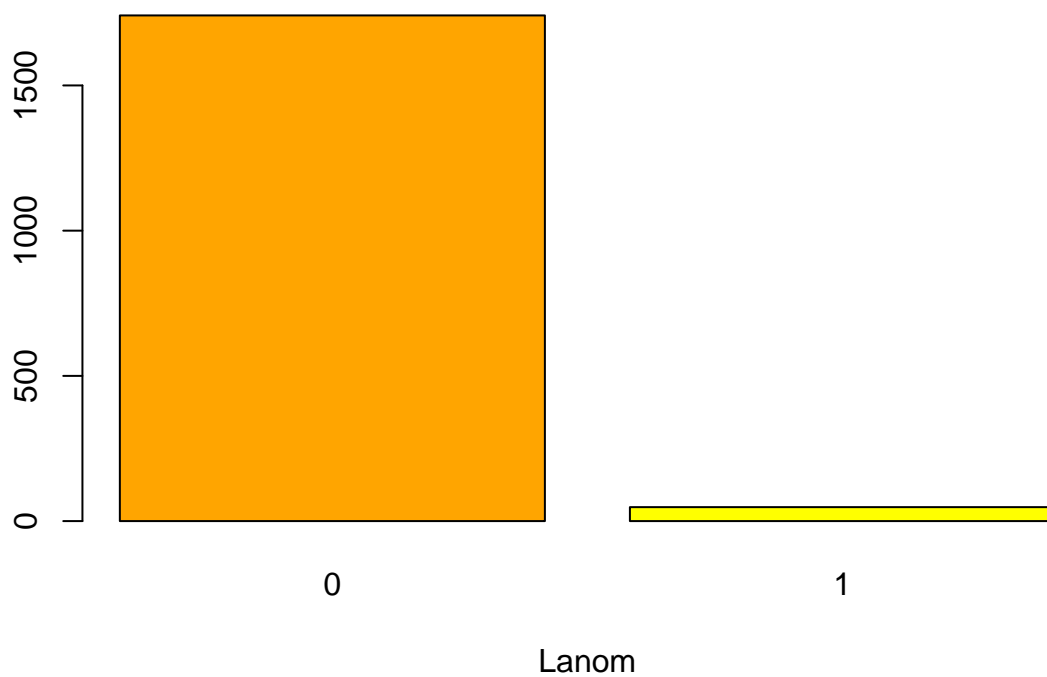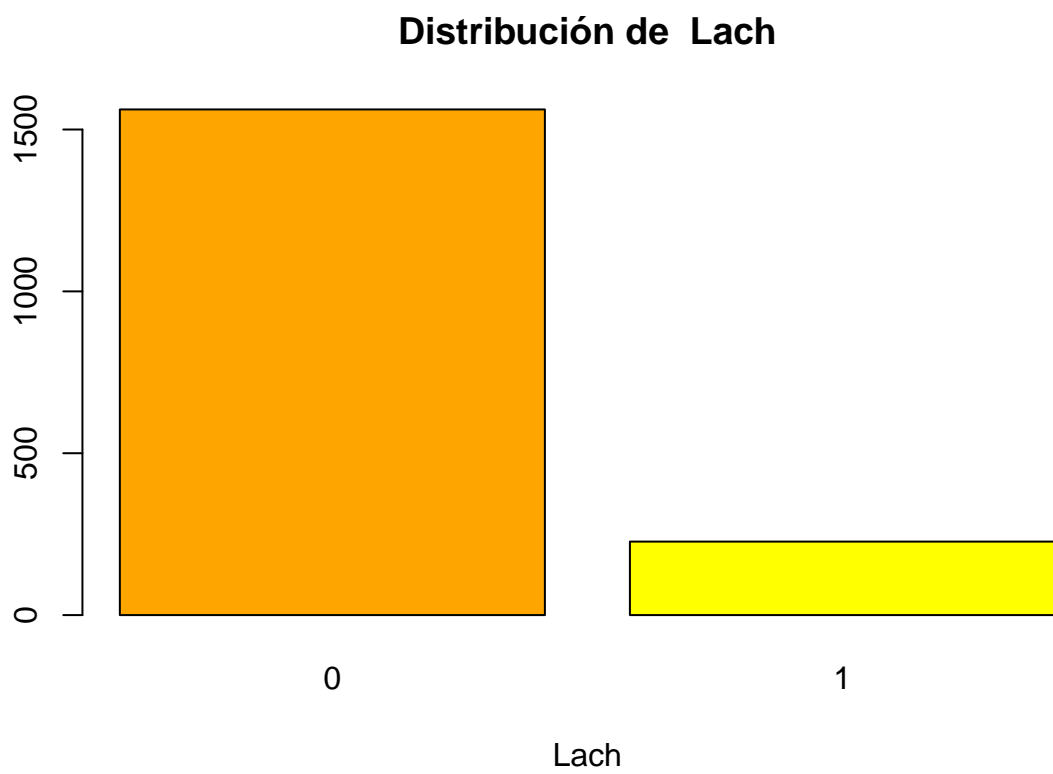
Lach

Distribución de Lachta

Lachta
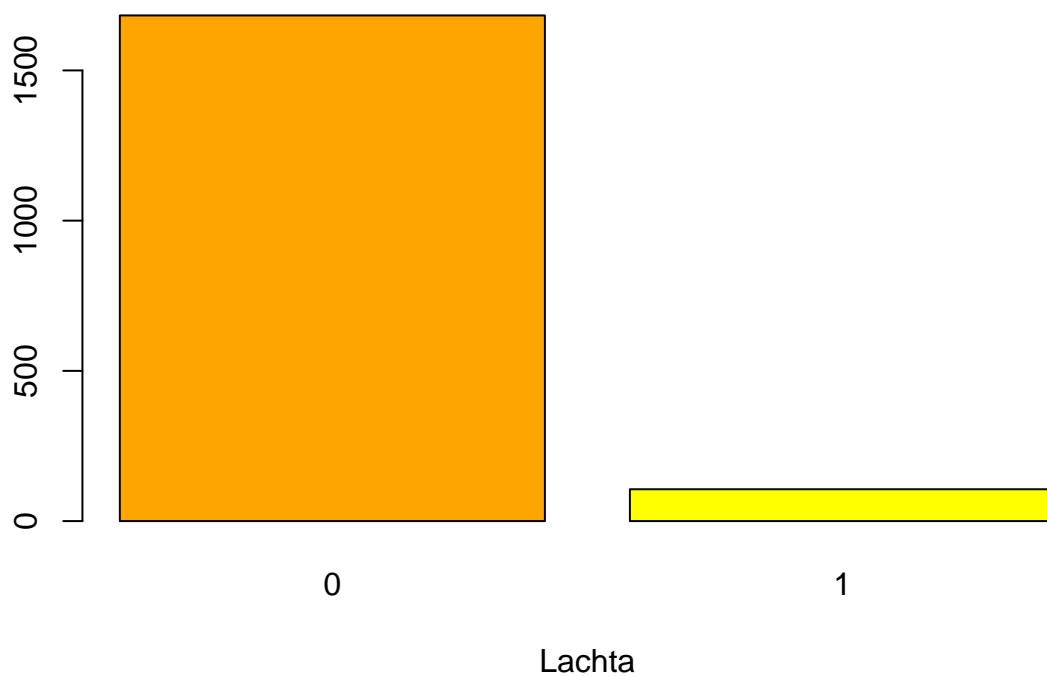
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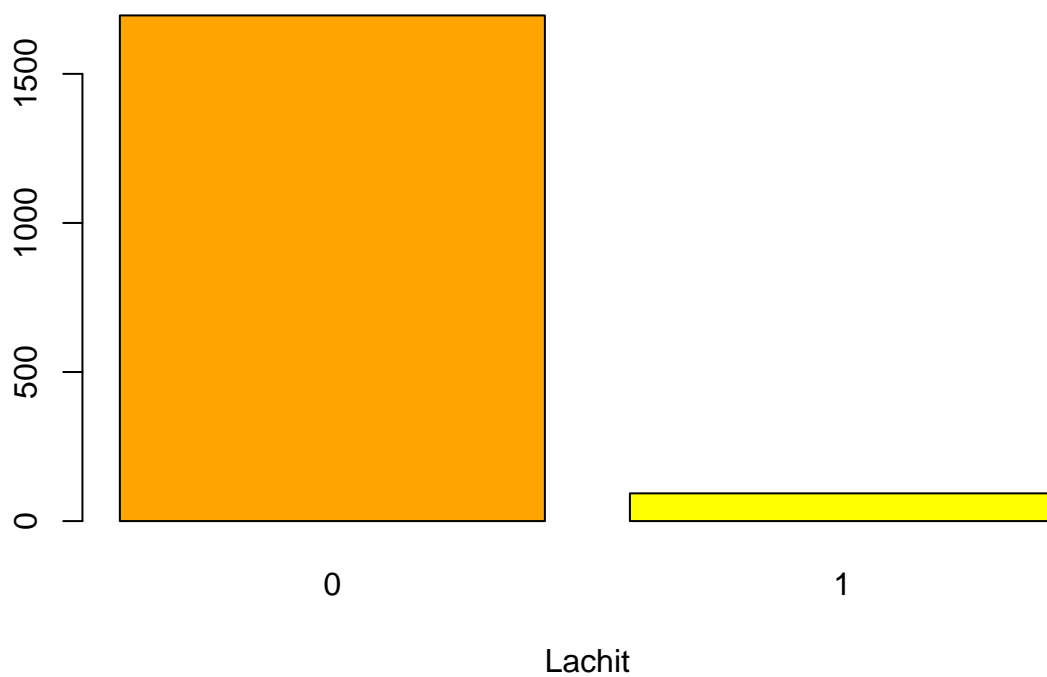
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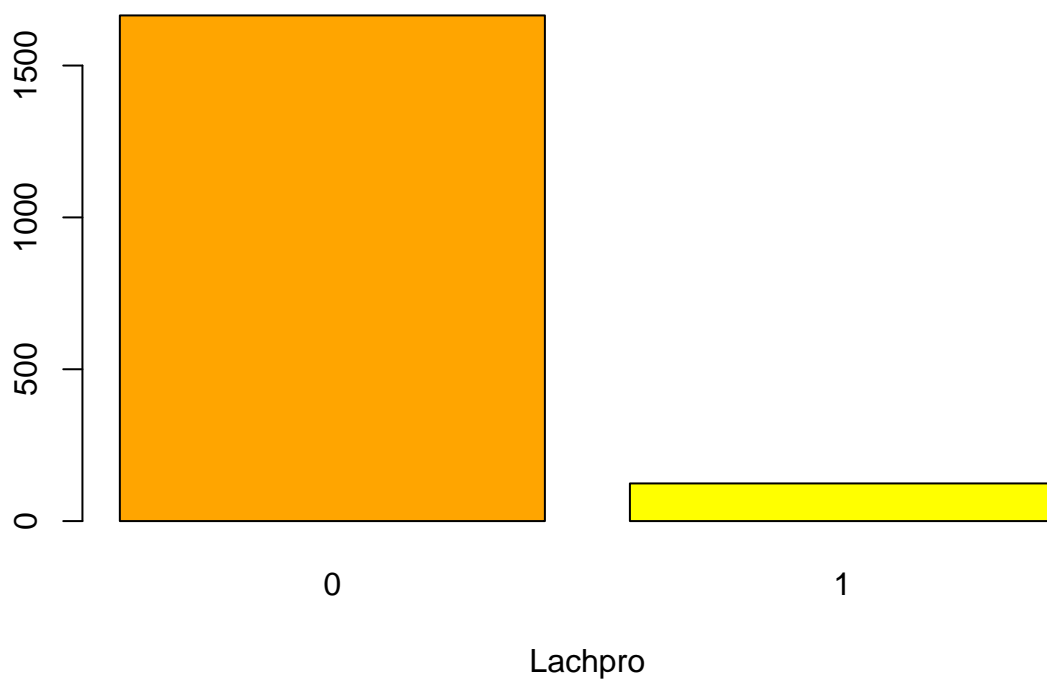
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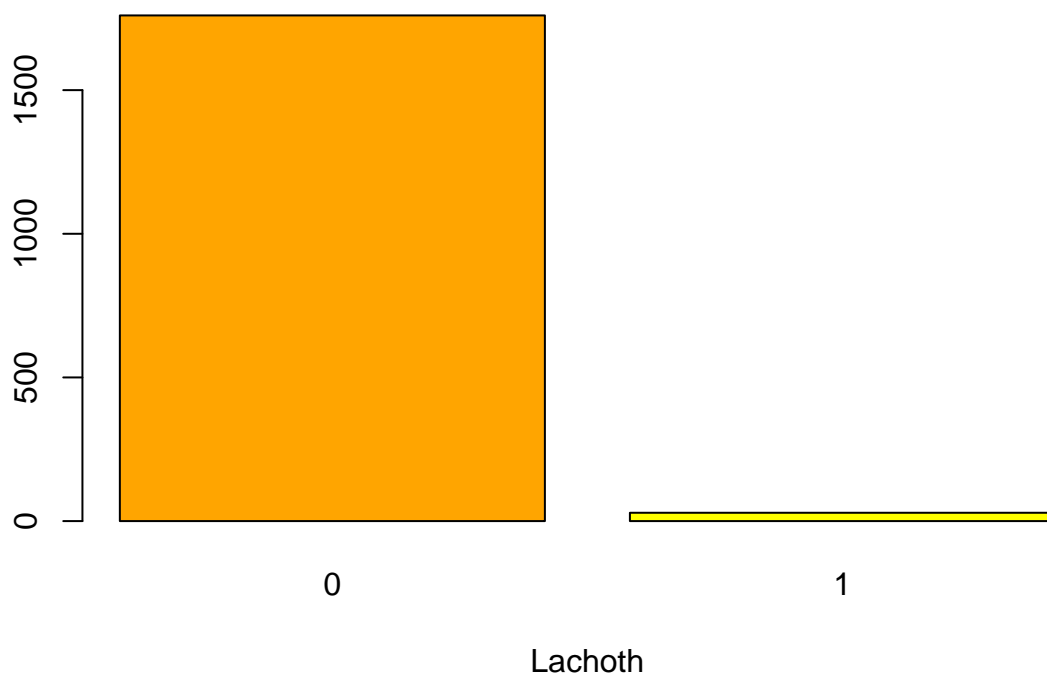
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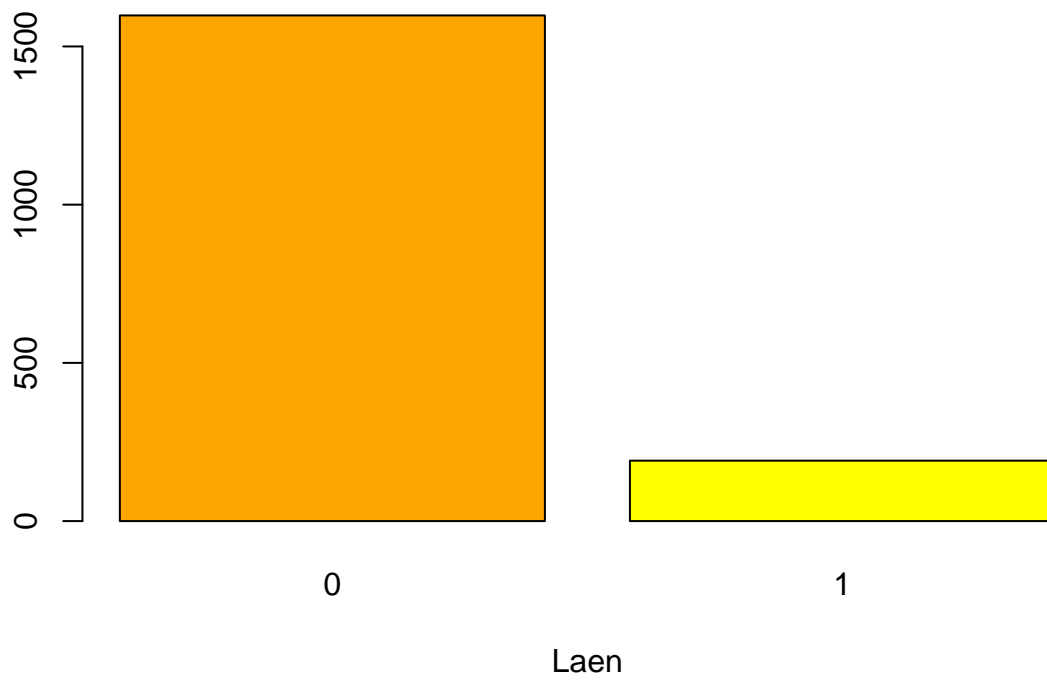
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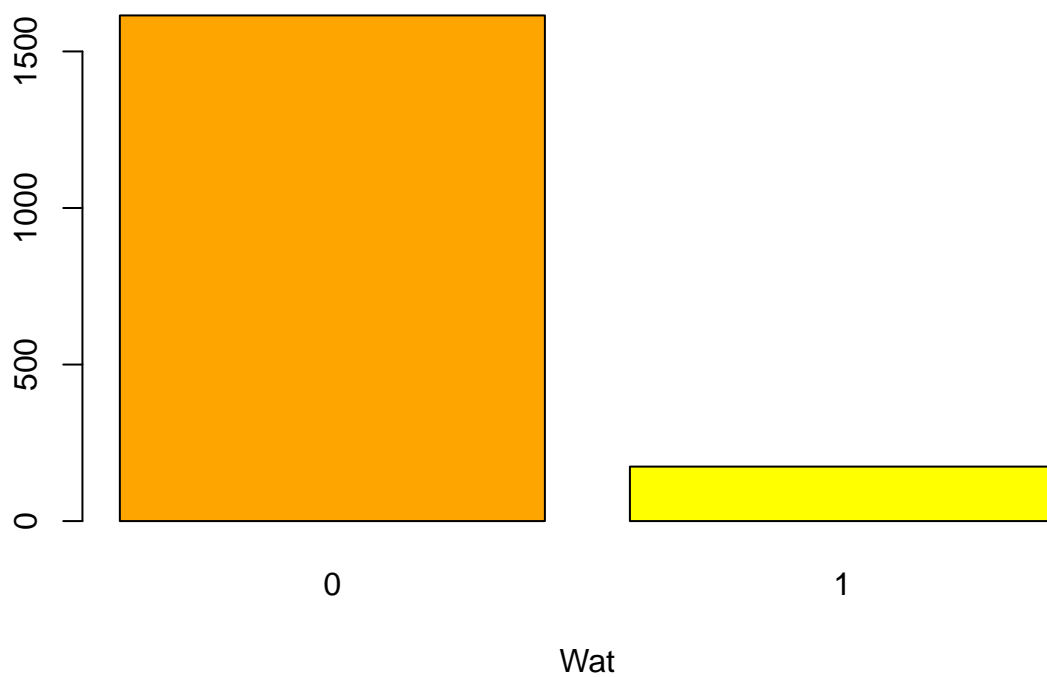
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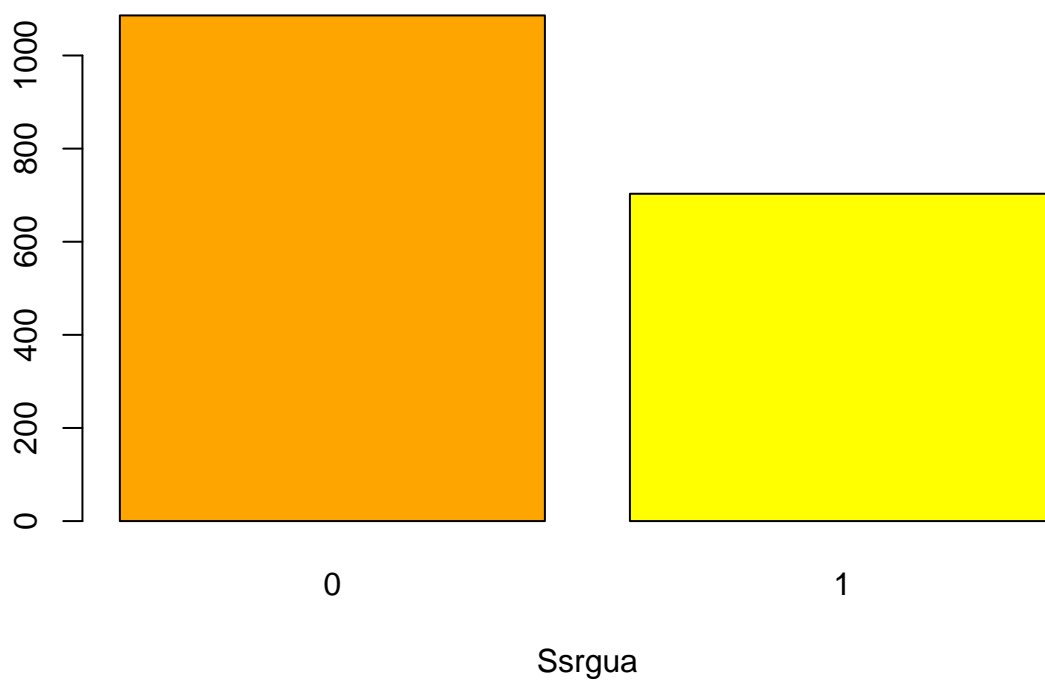
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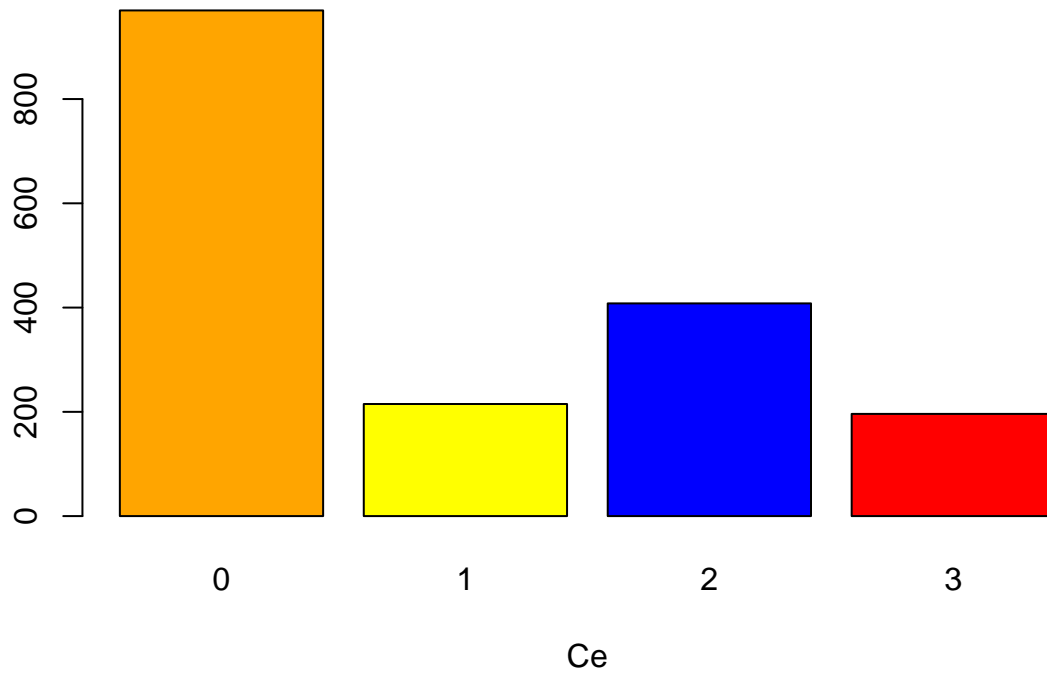
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Distribución de Cegen

Cegen

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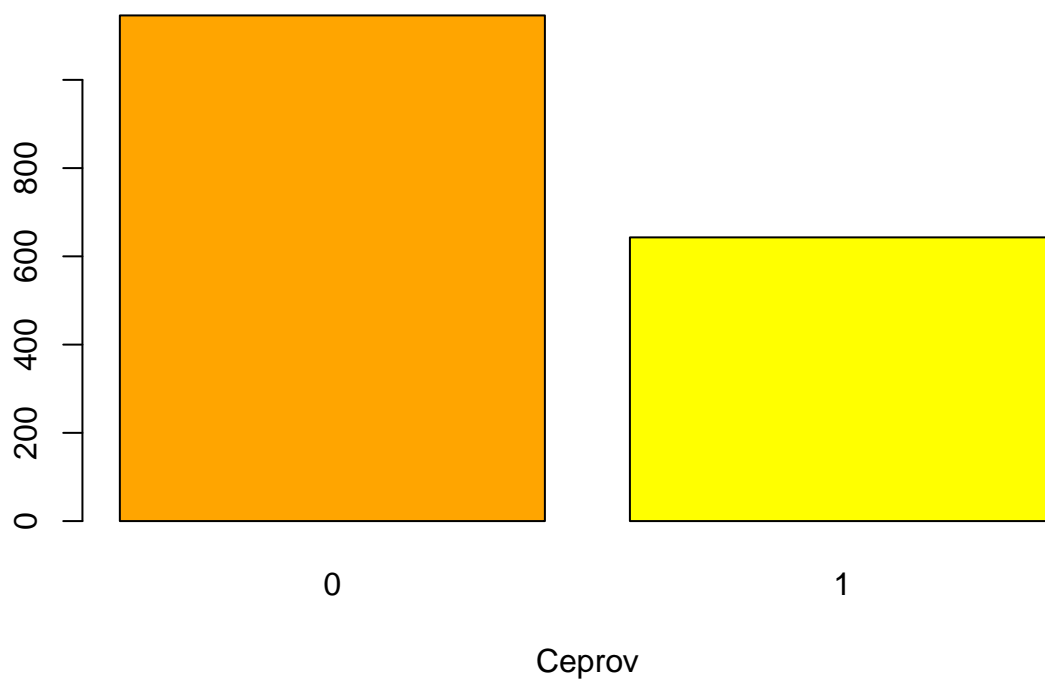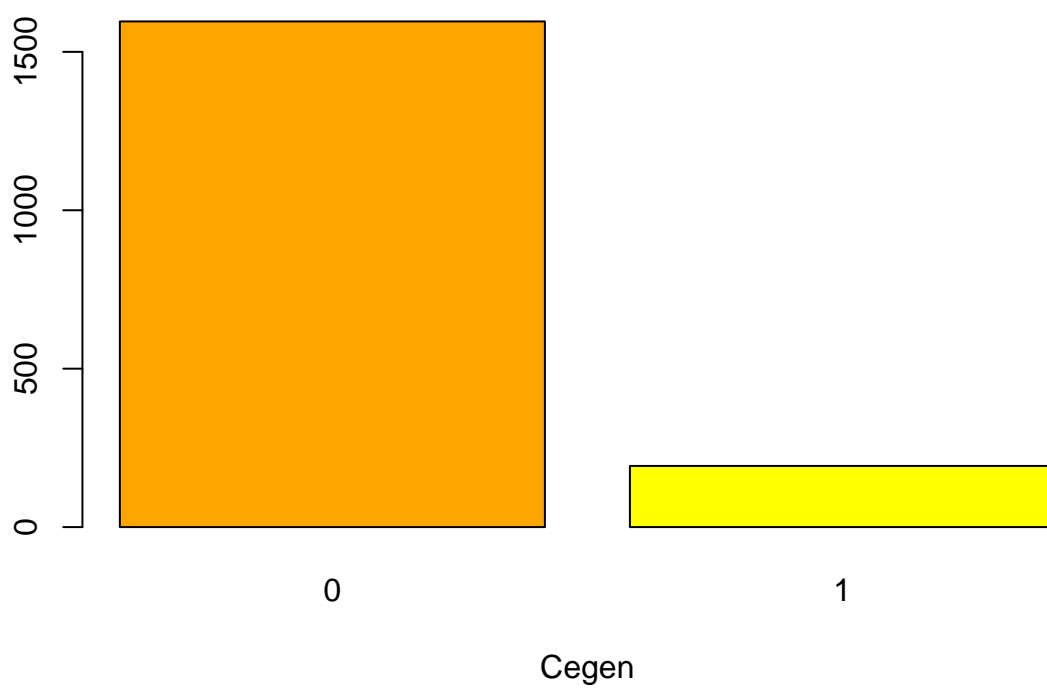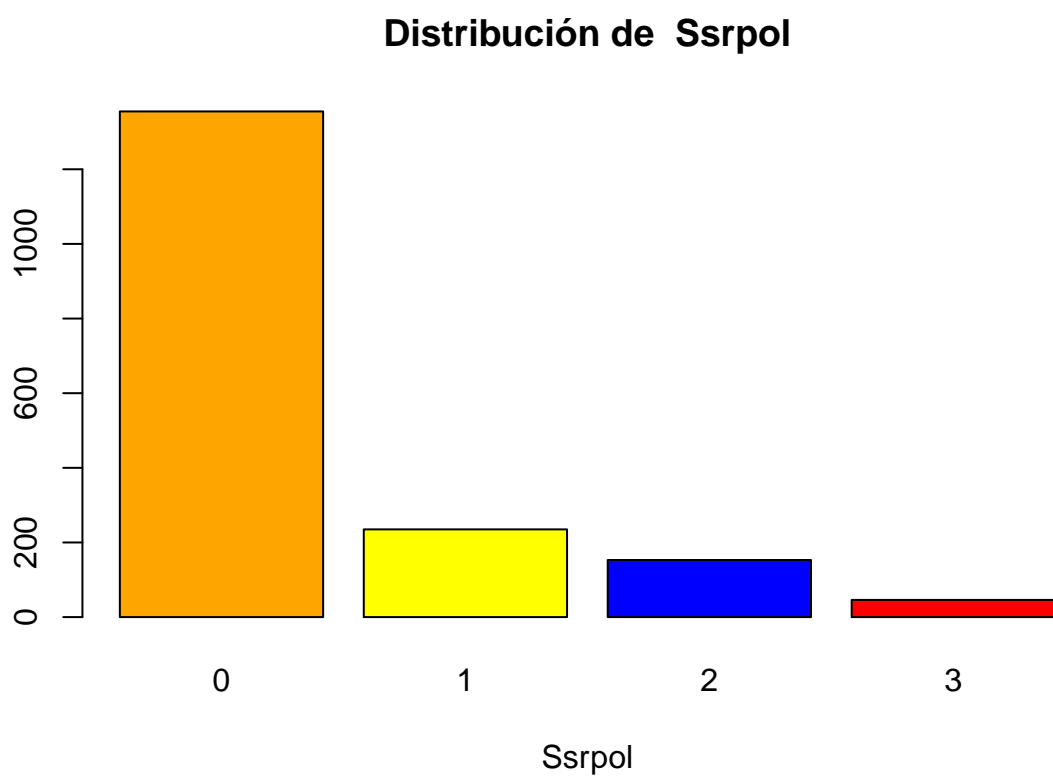
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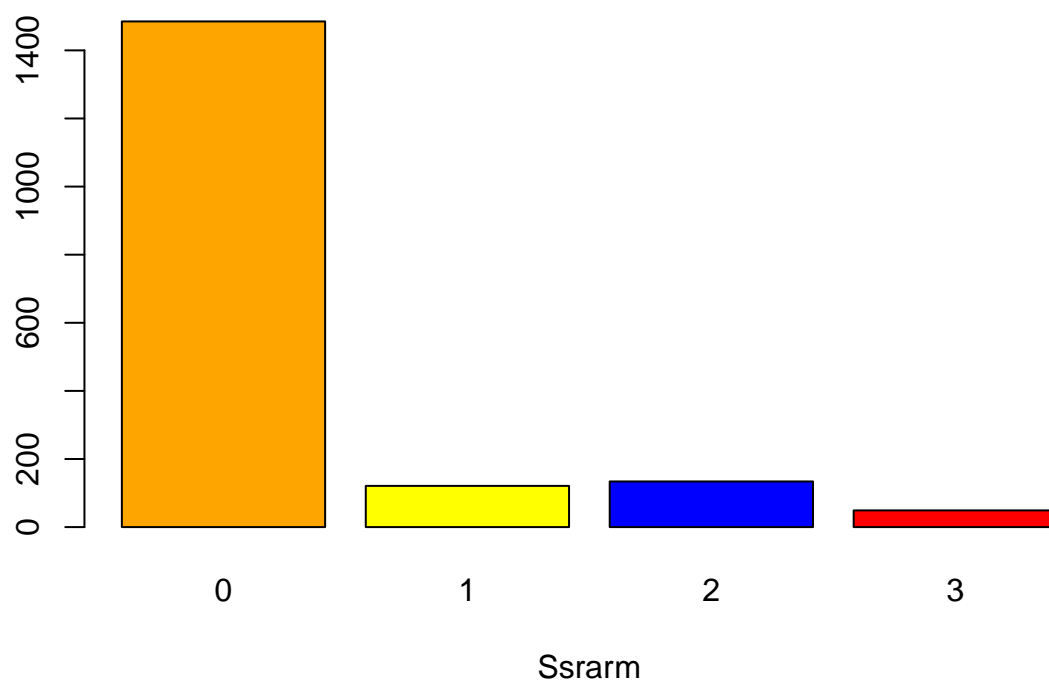
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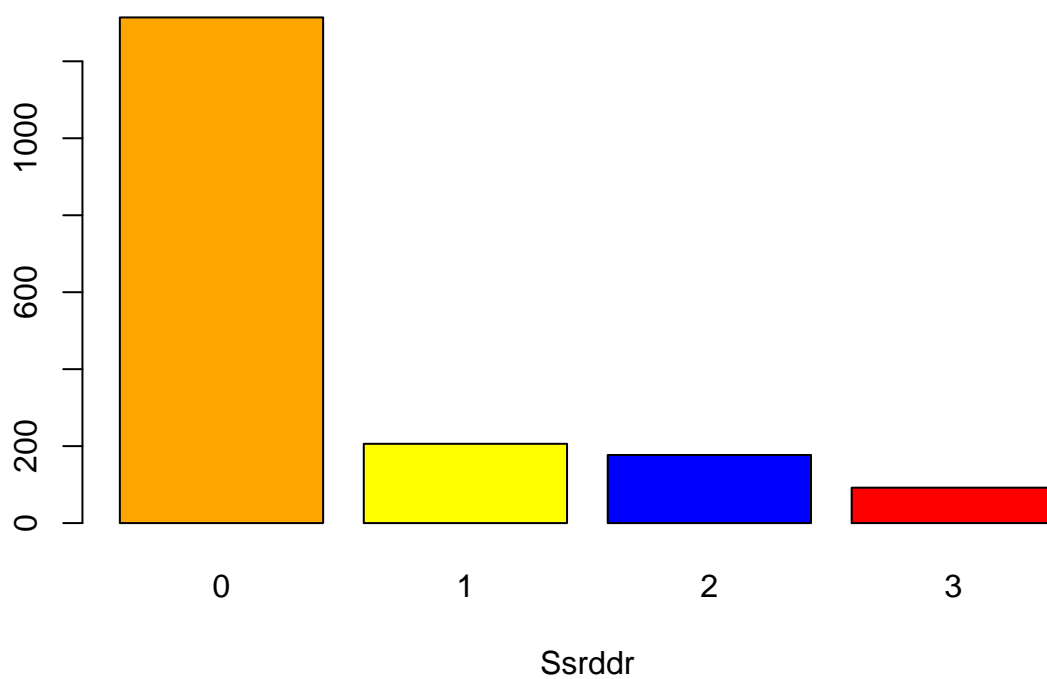
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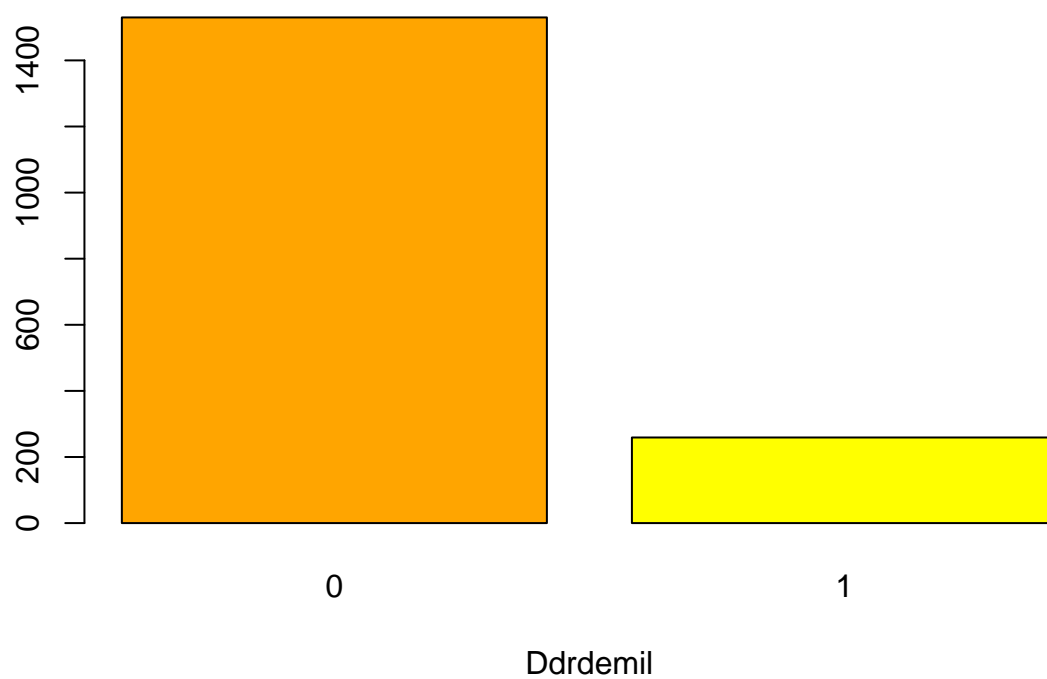
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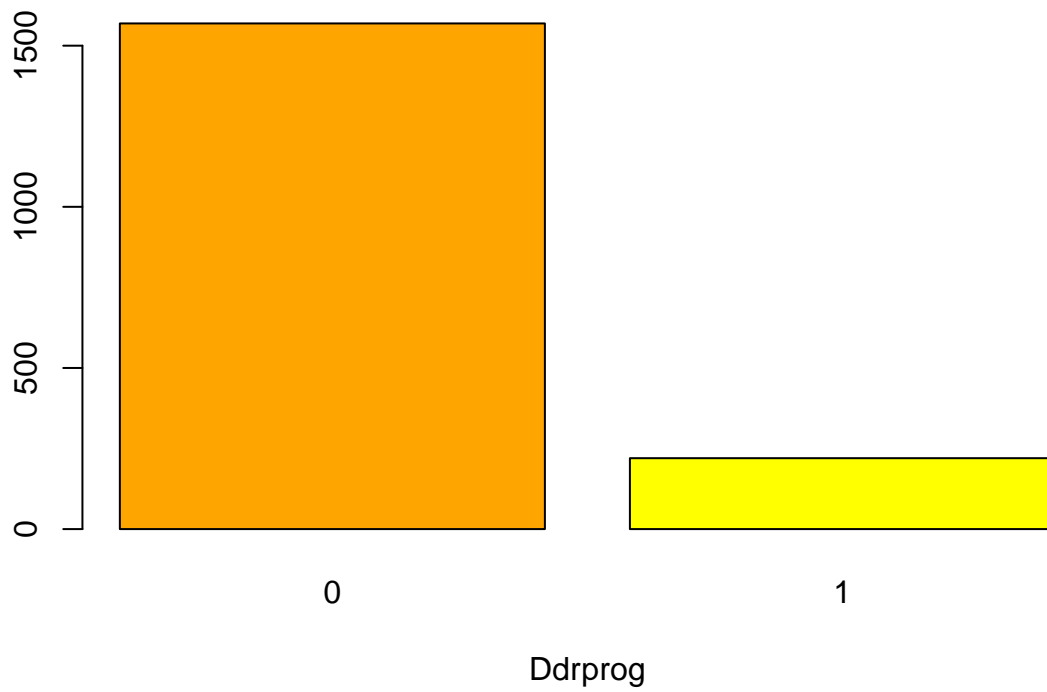
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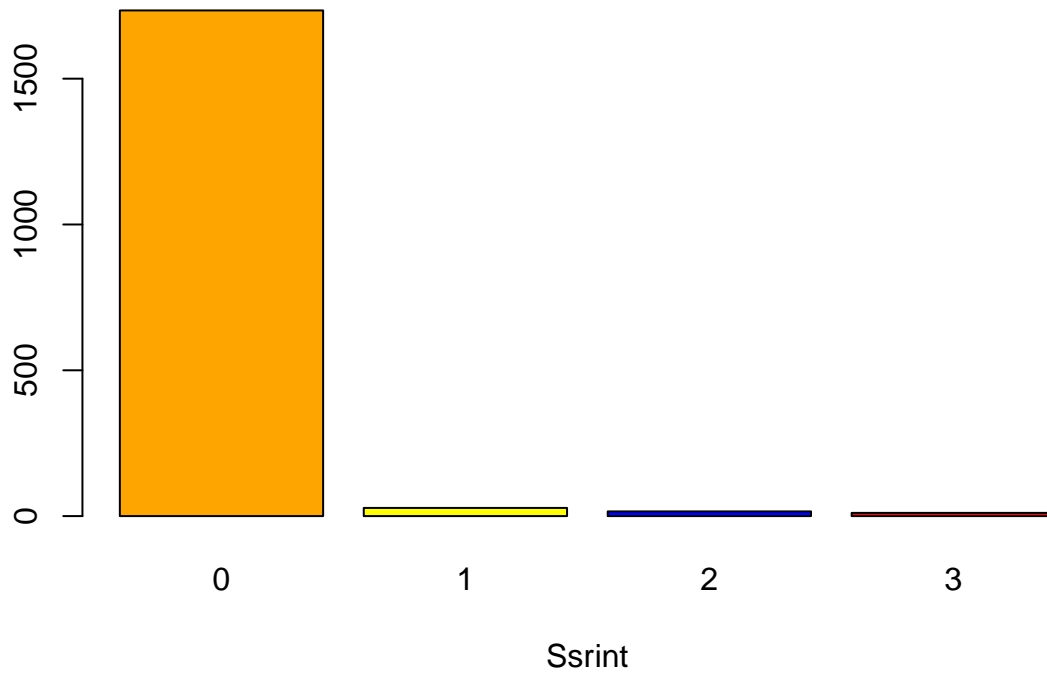
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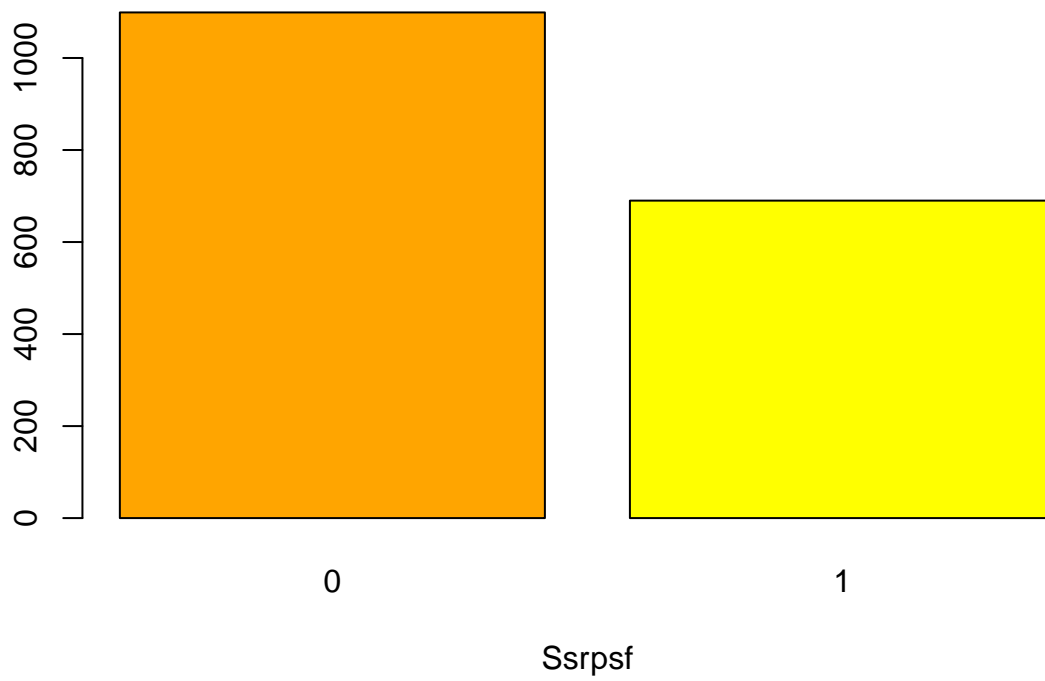
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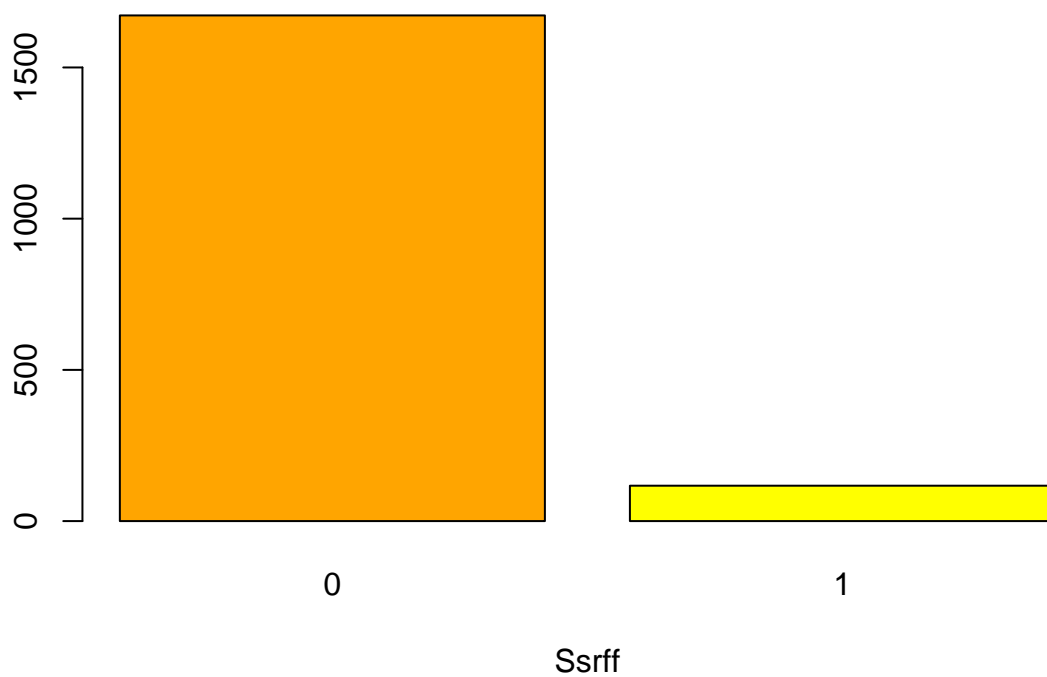
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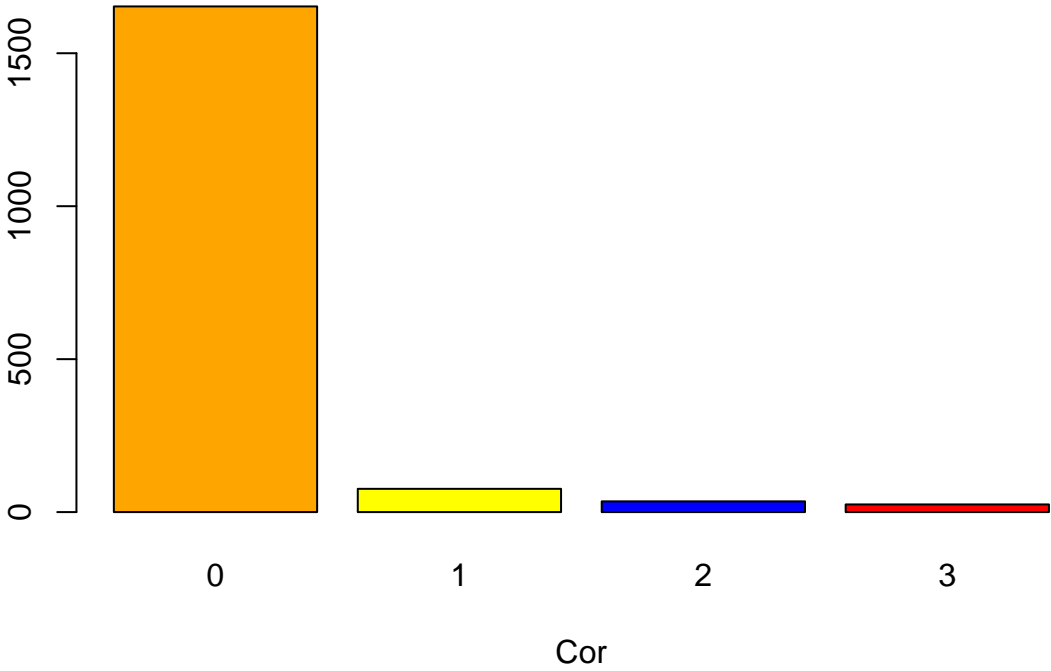
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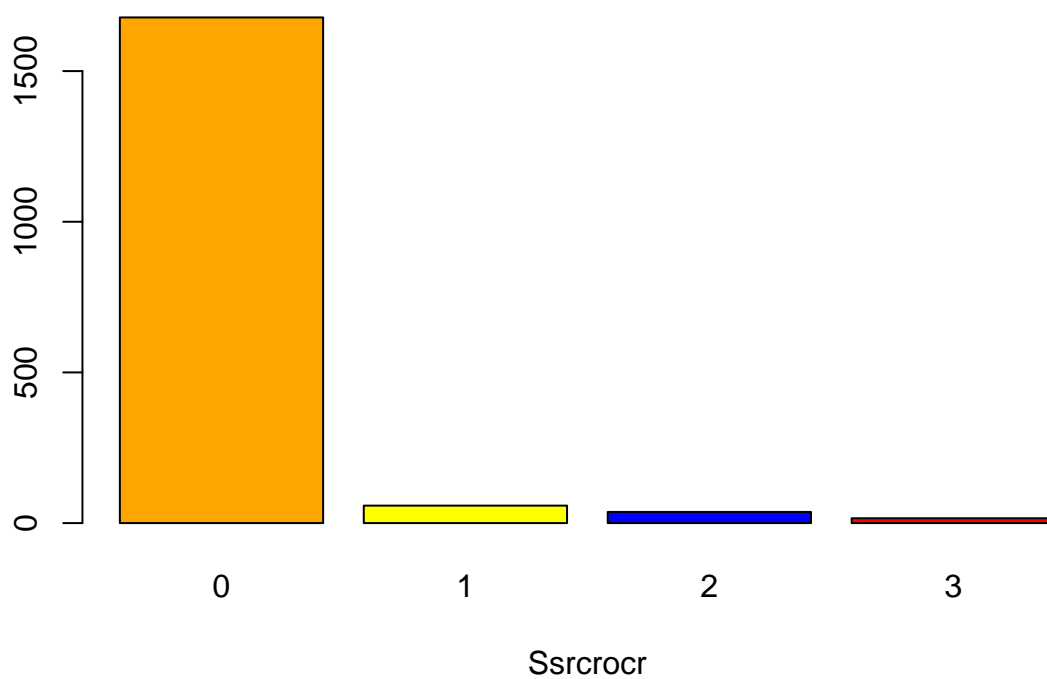
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Distribución de Terr

Terr

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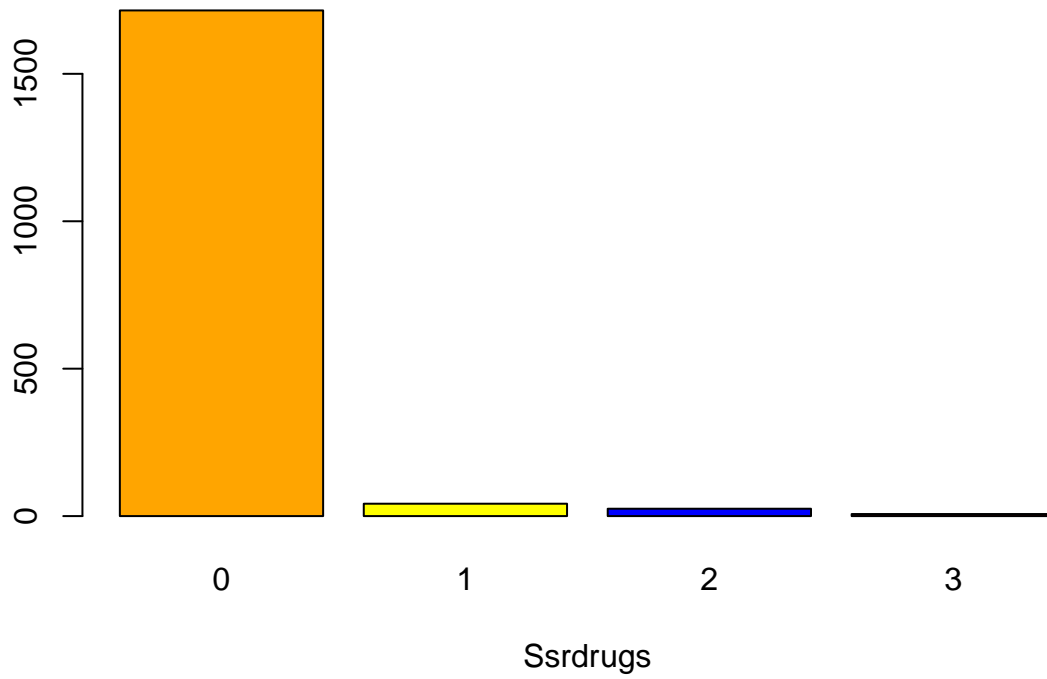
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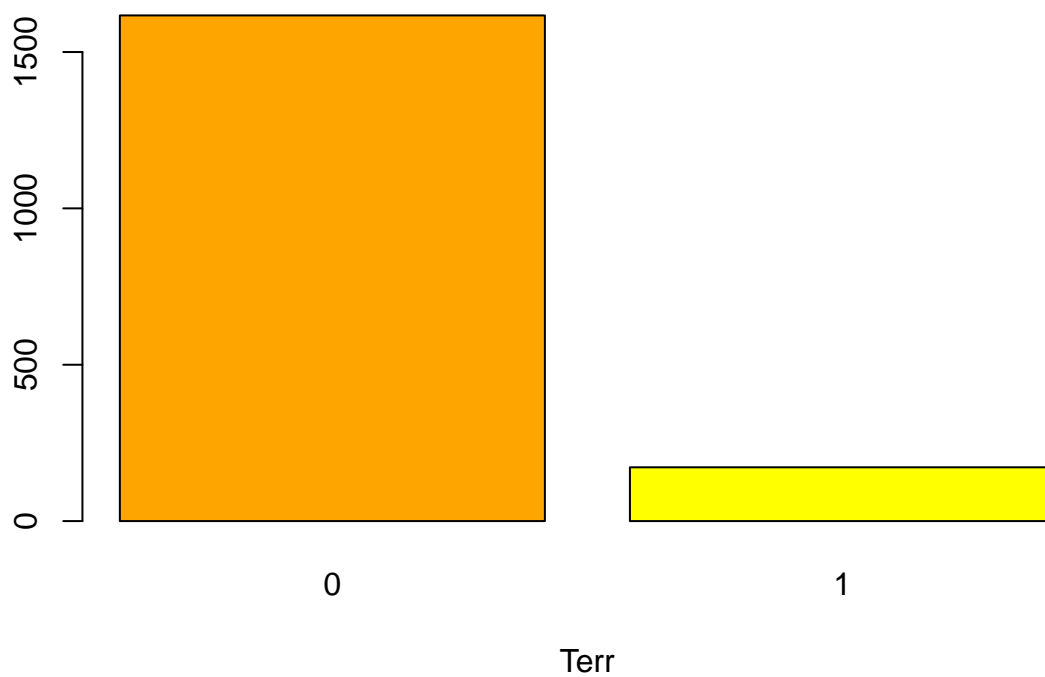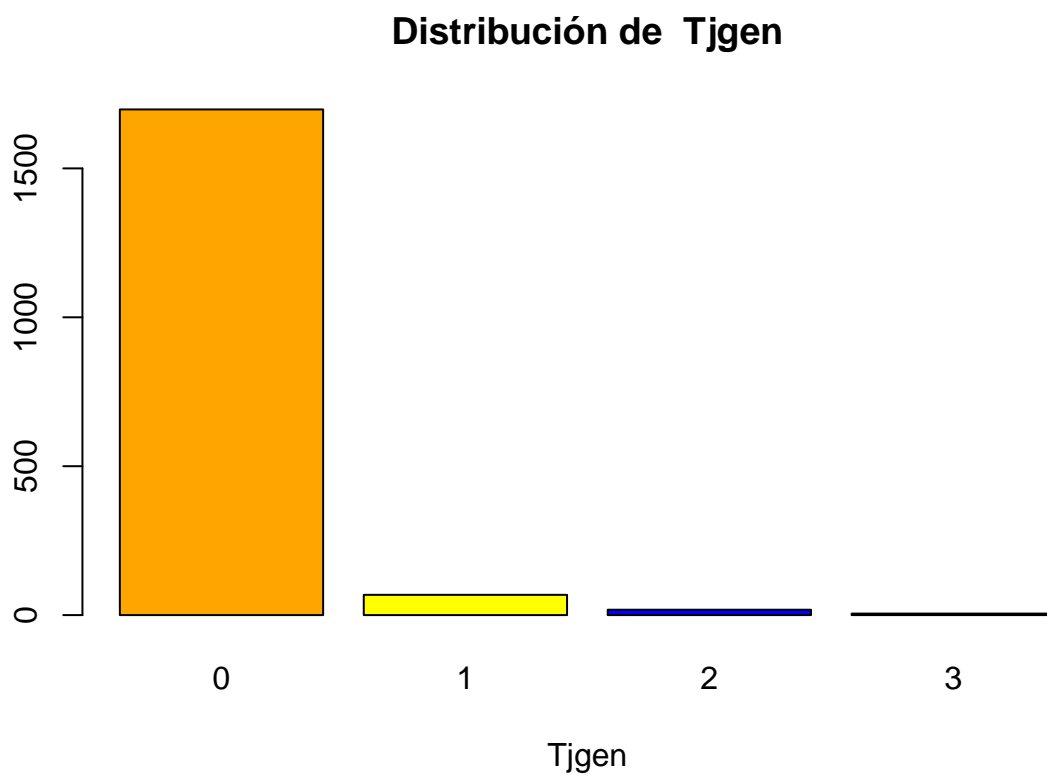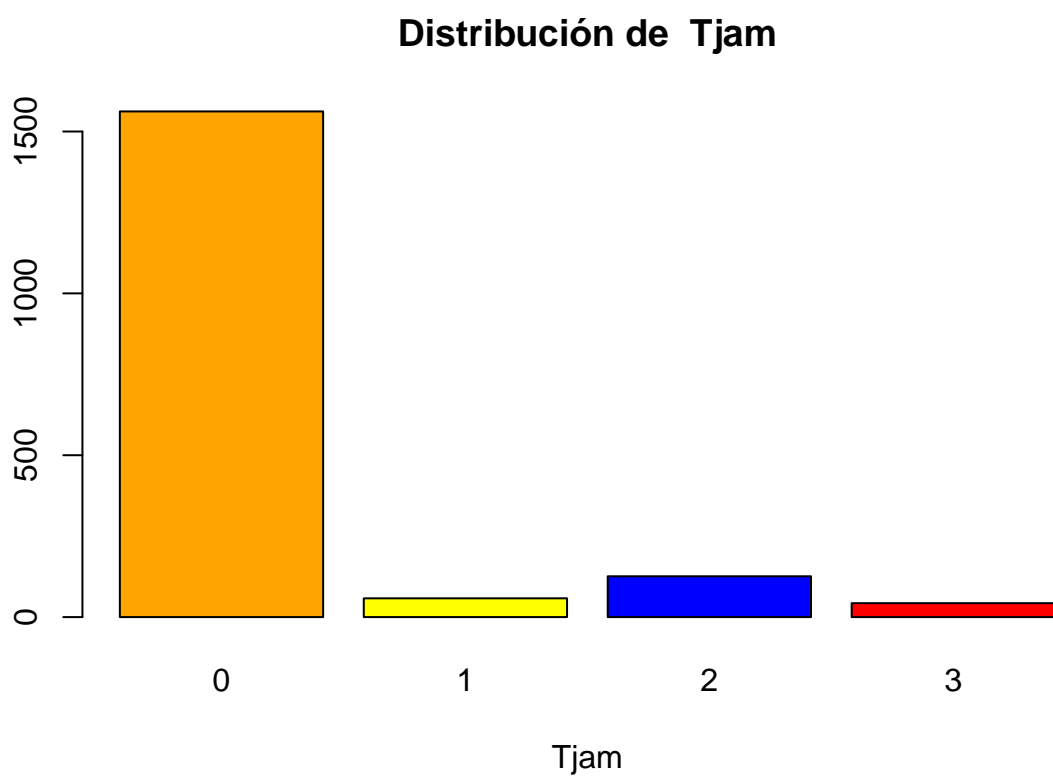
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Distribución de Tjampro

Tjampro

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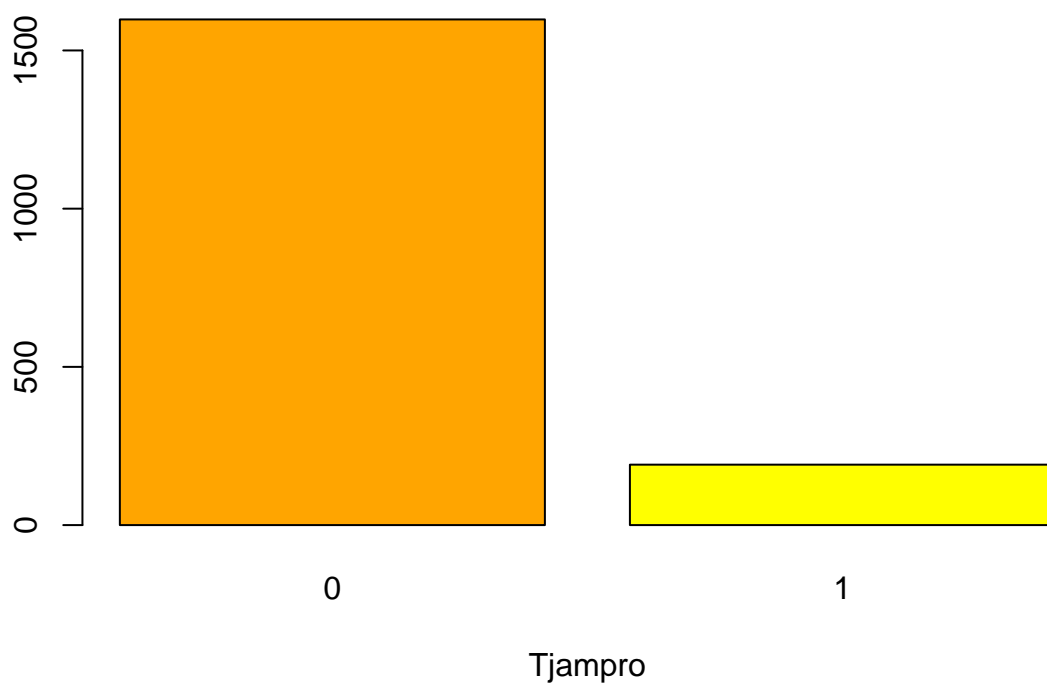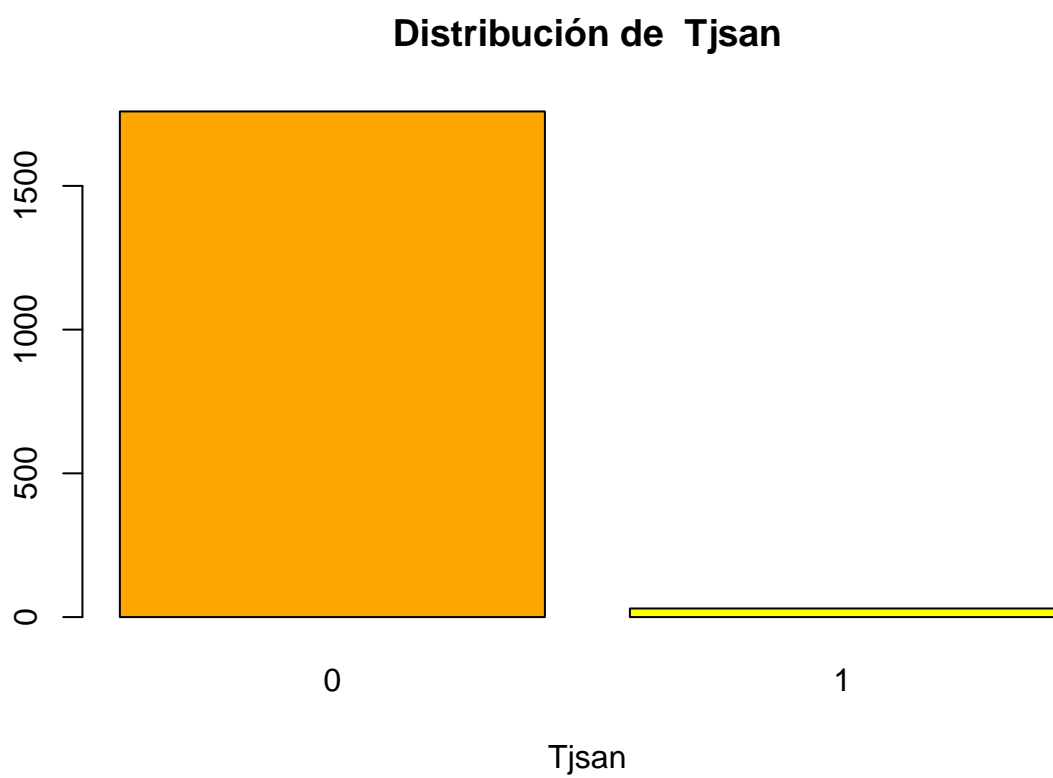
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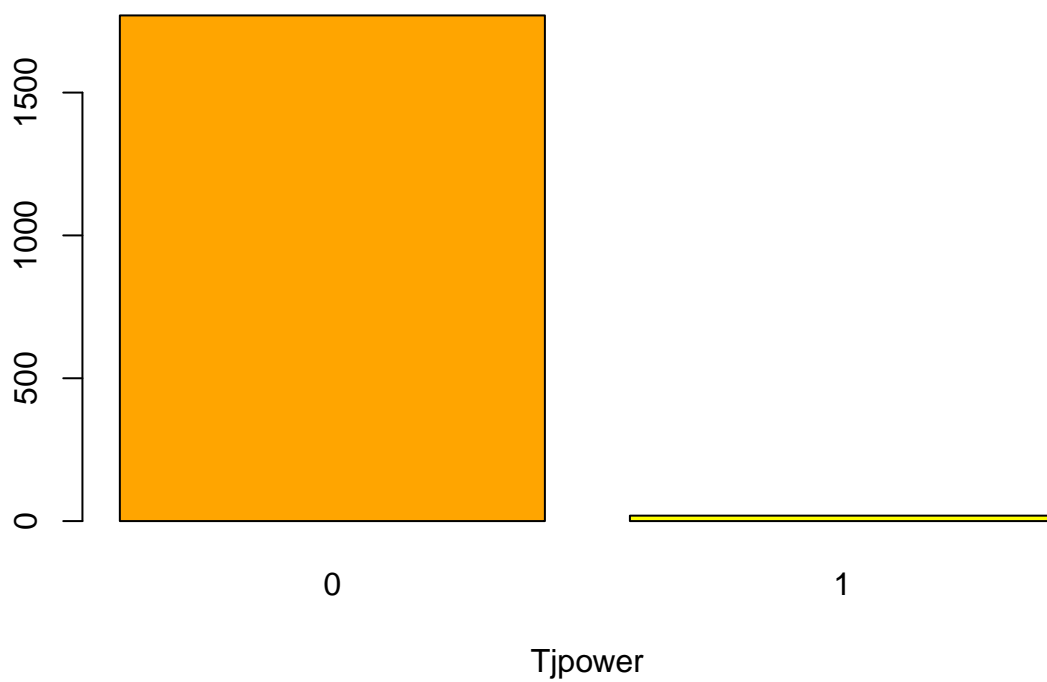
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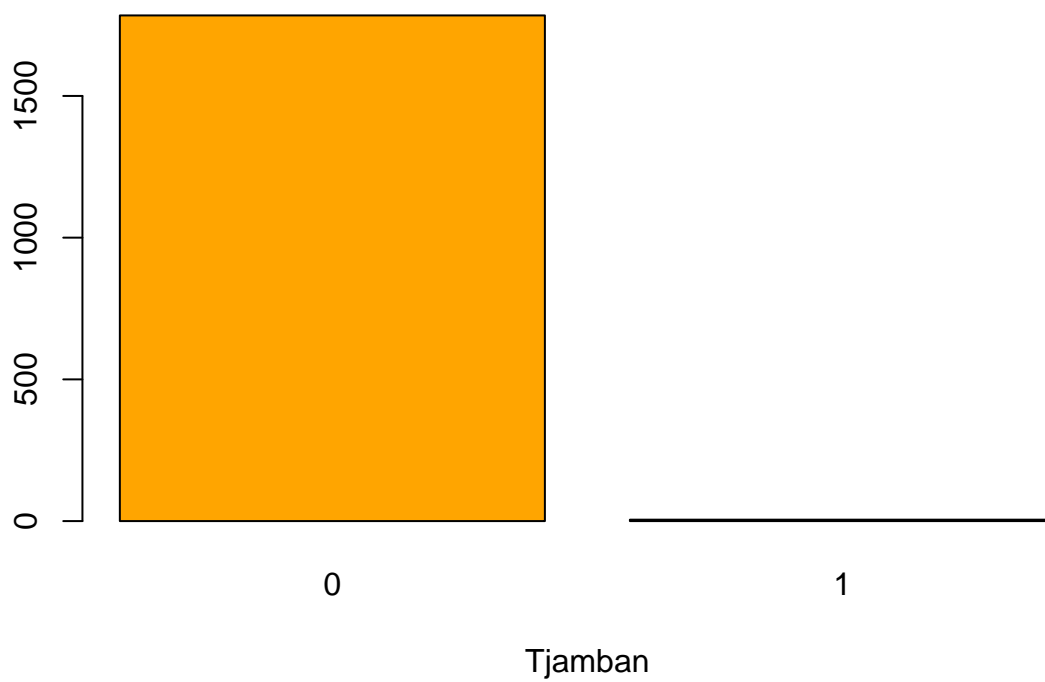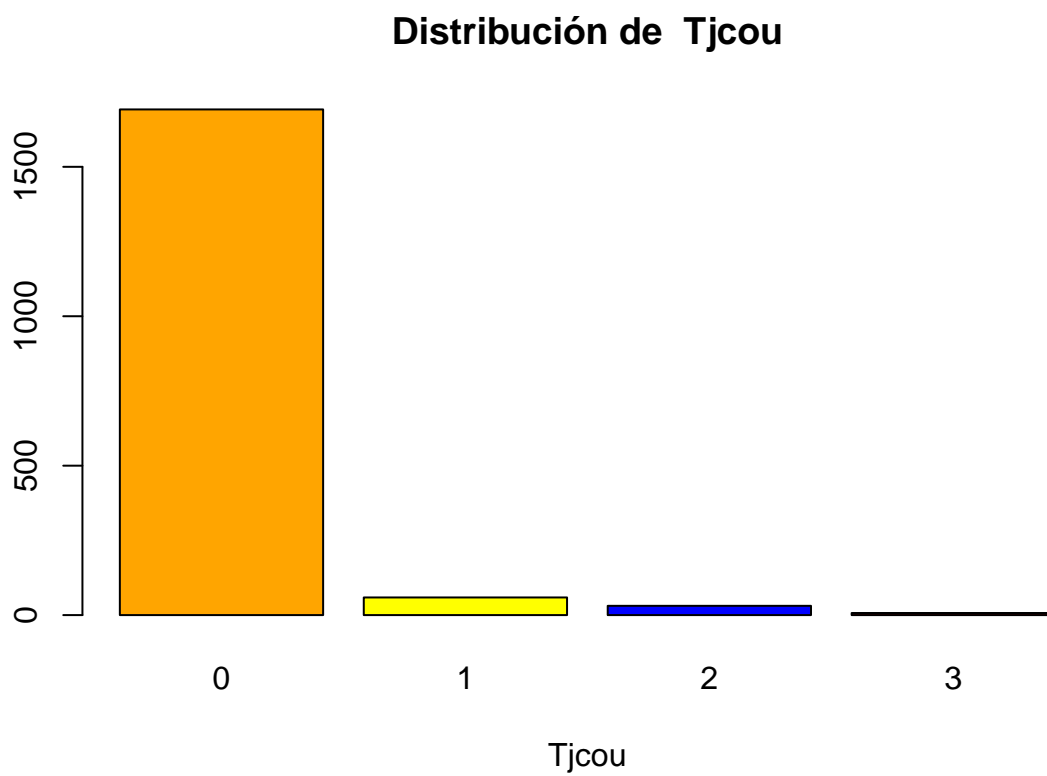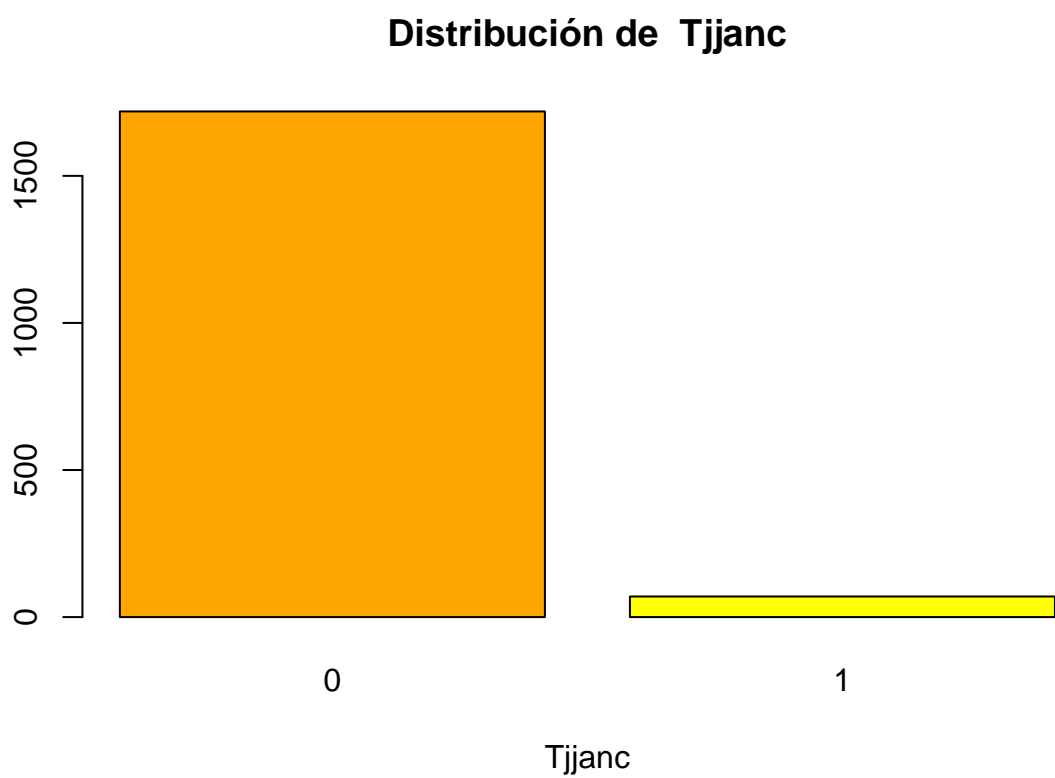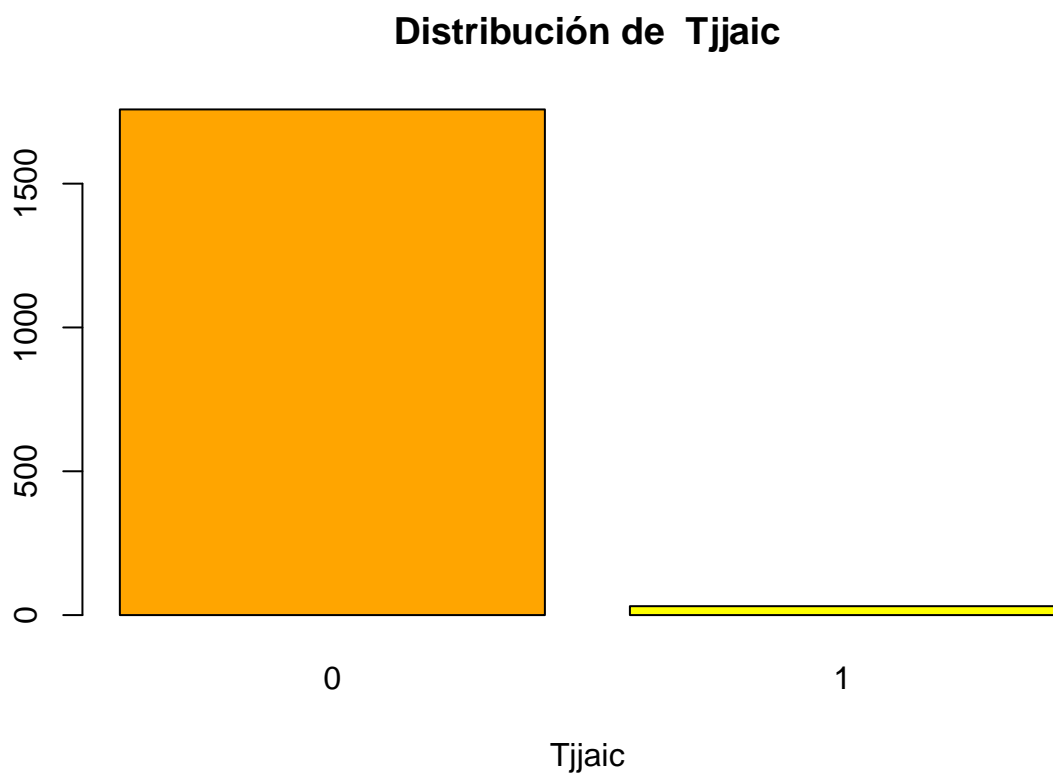
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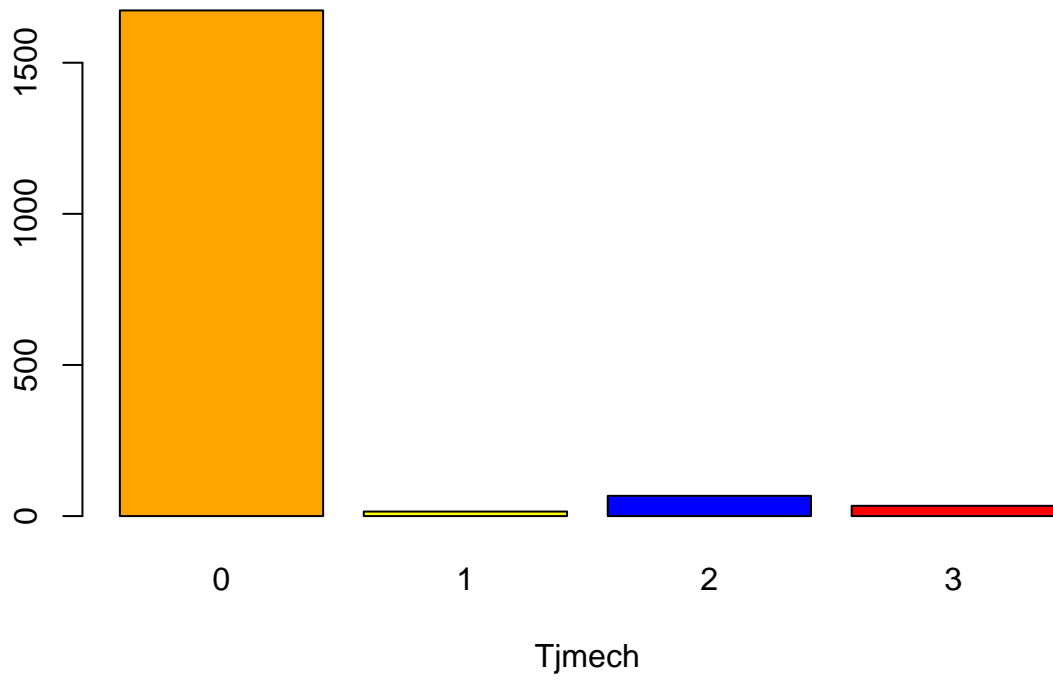
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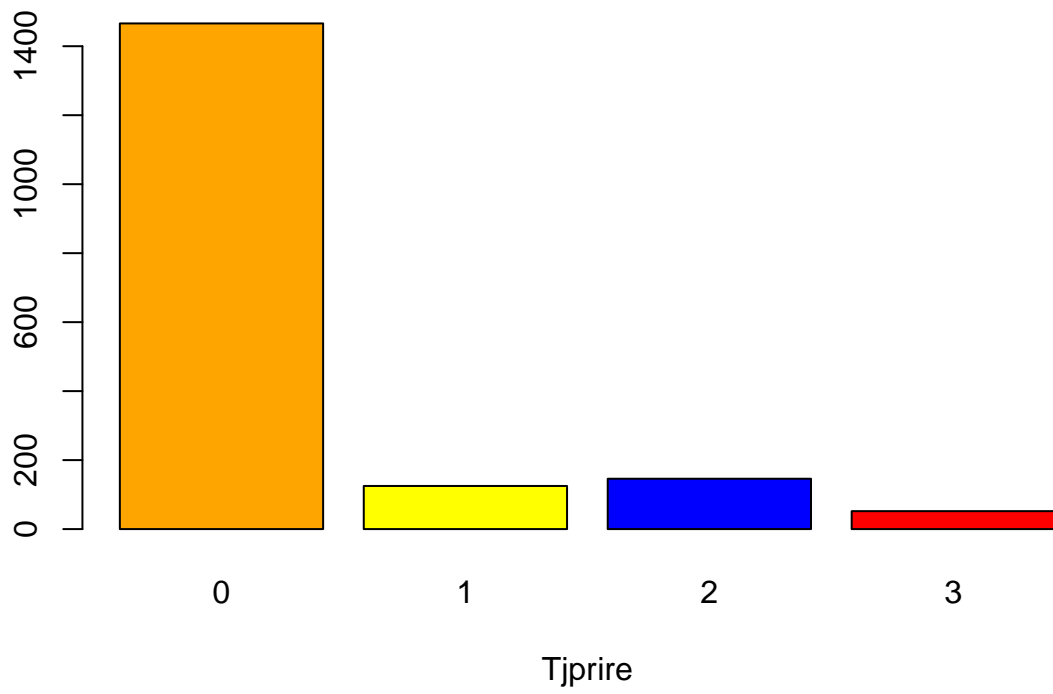
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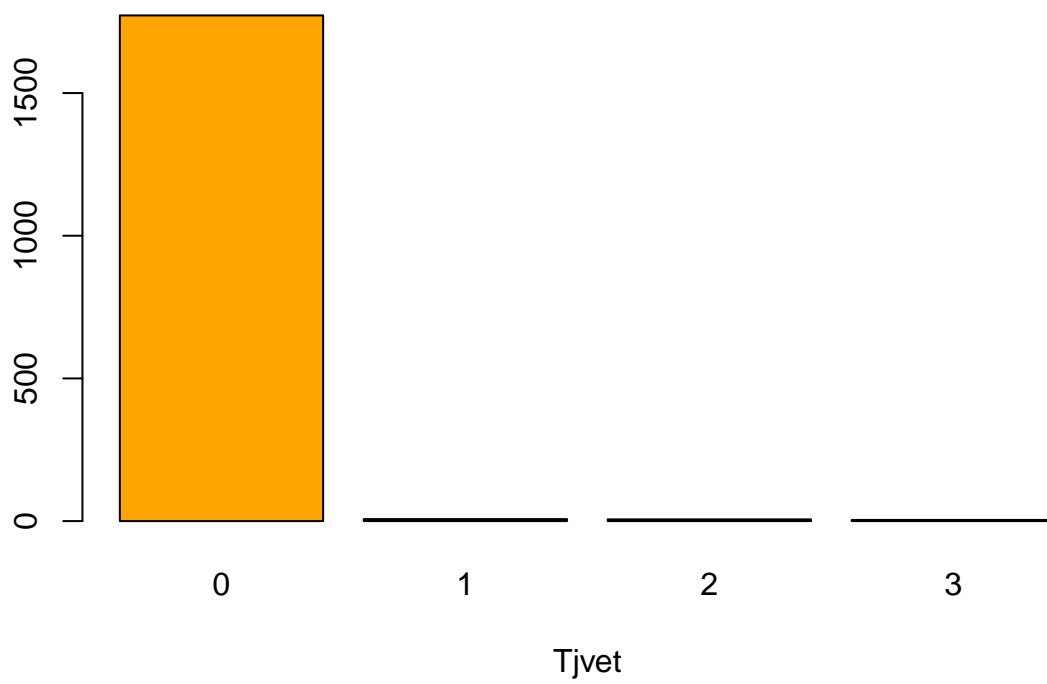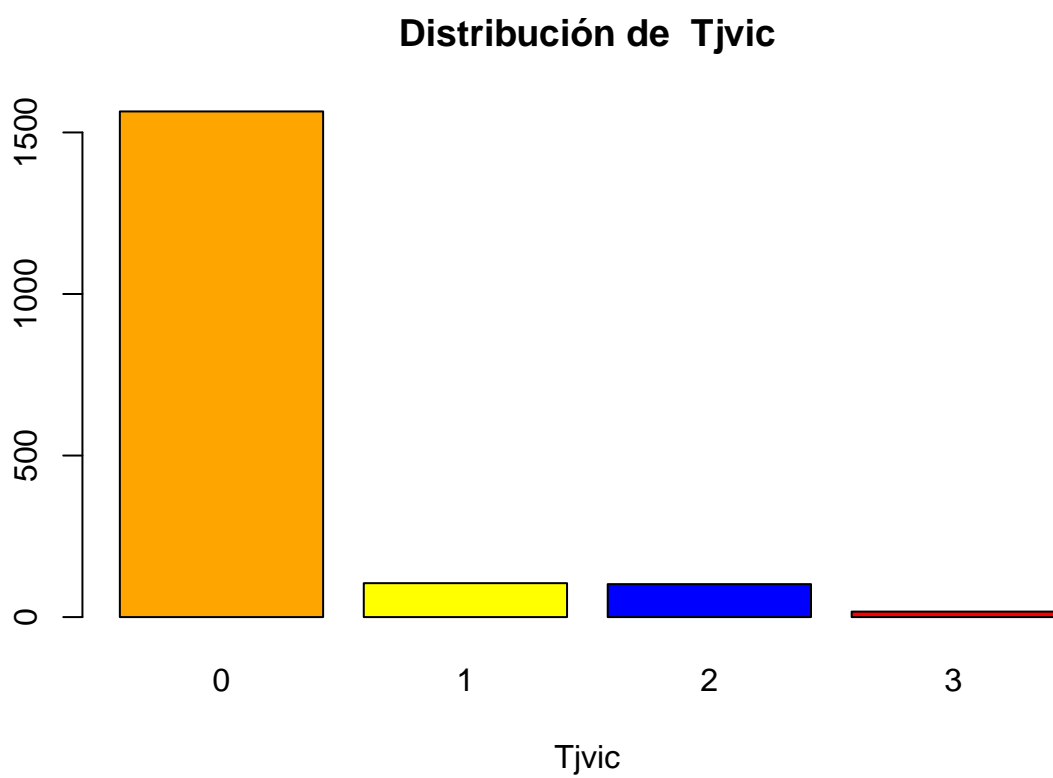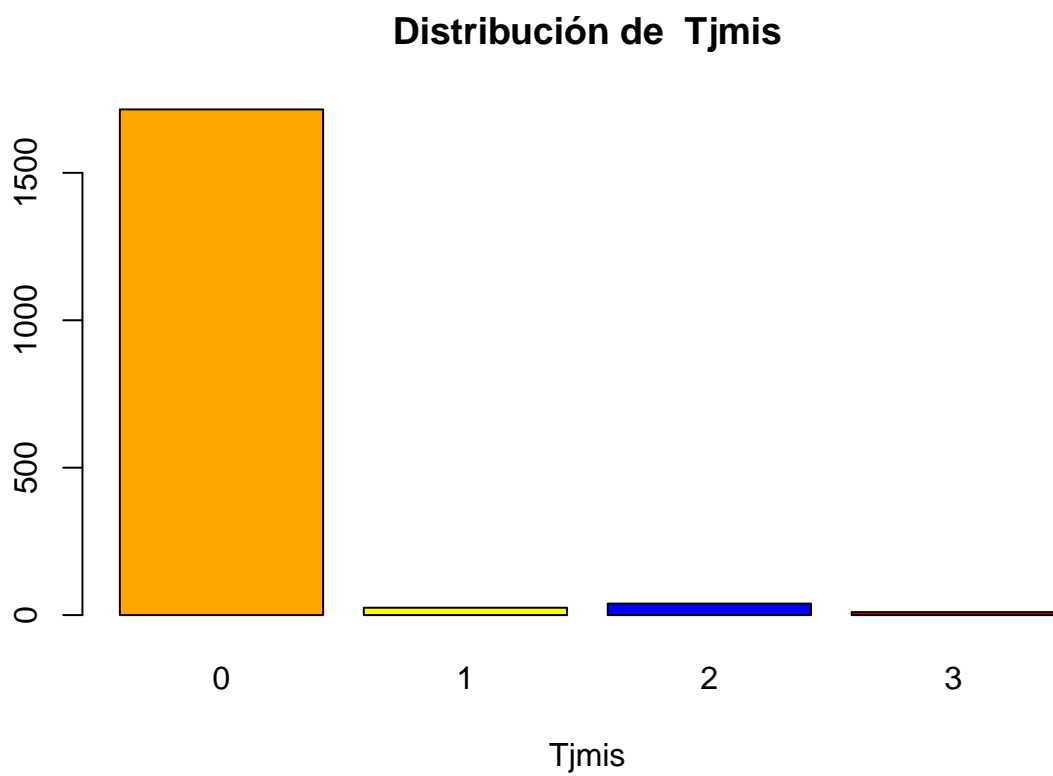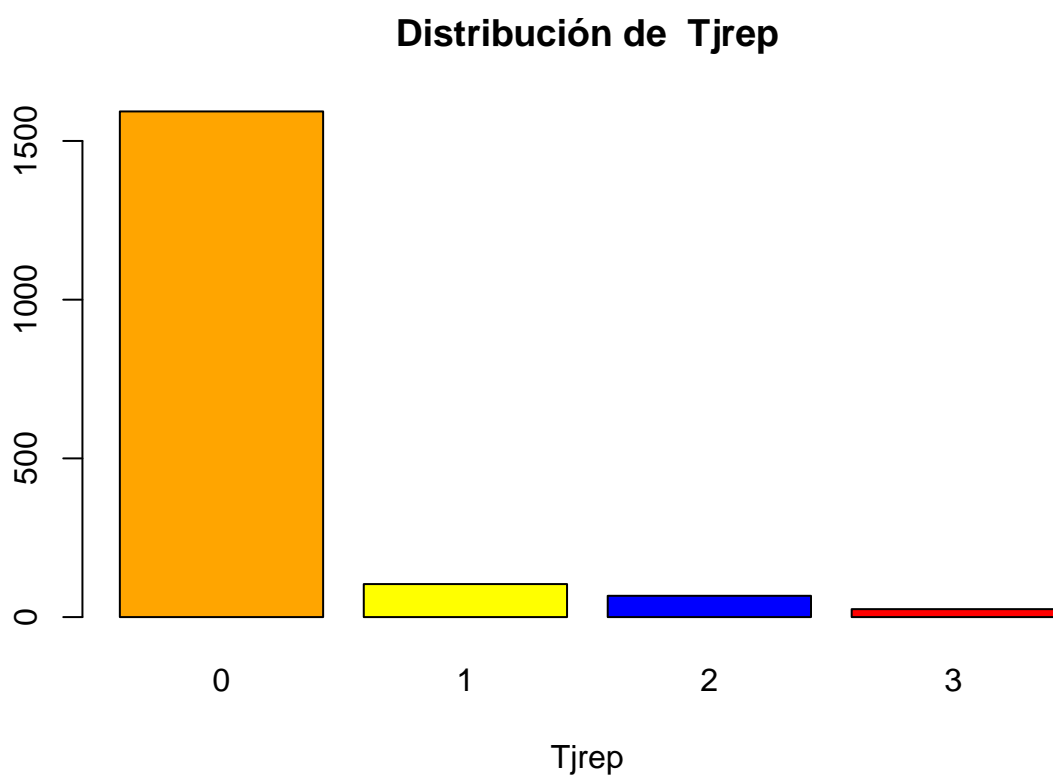
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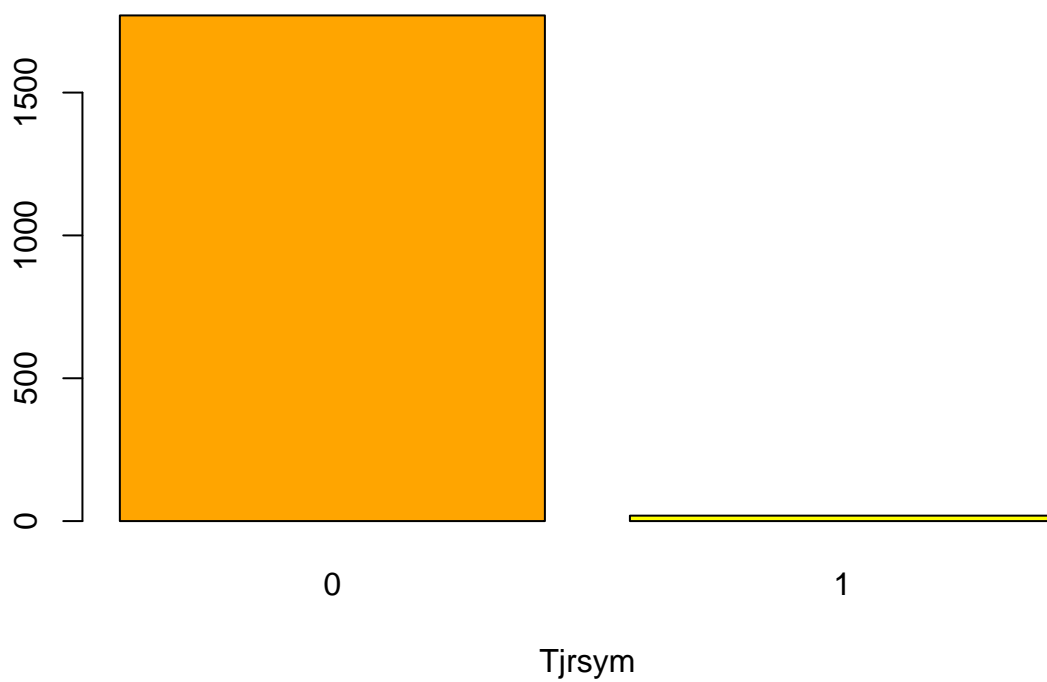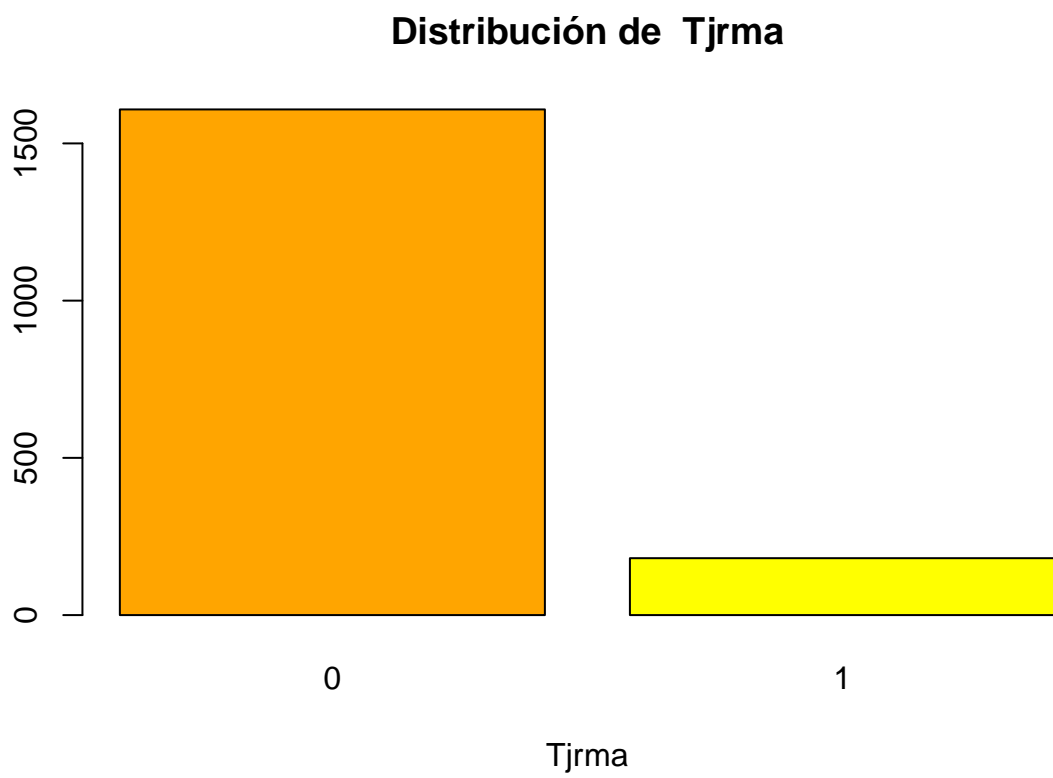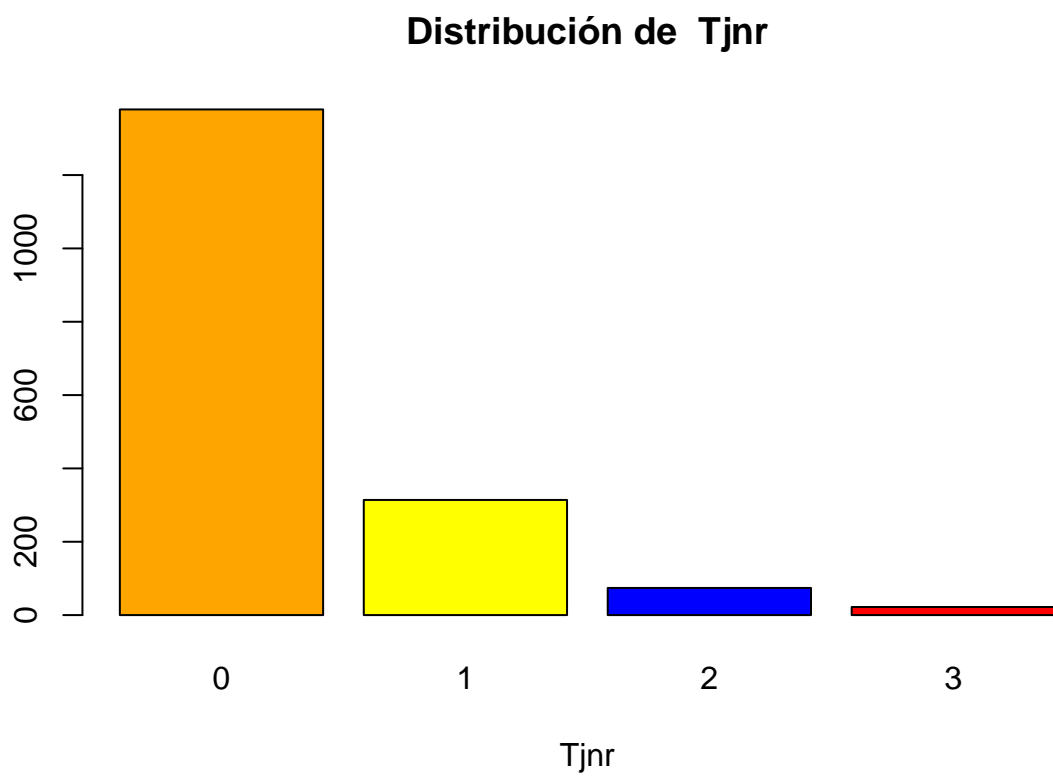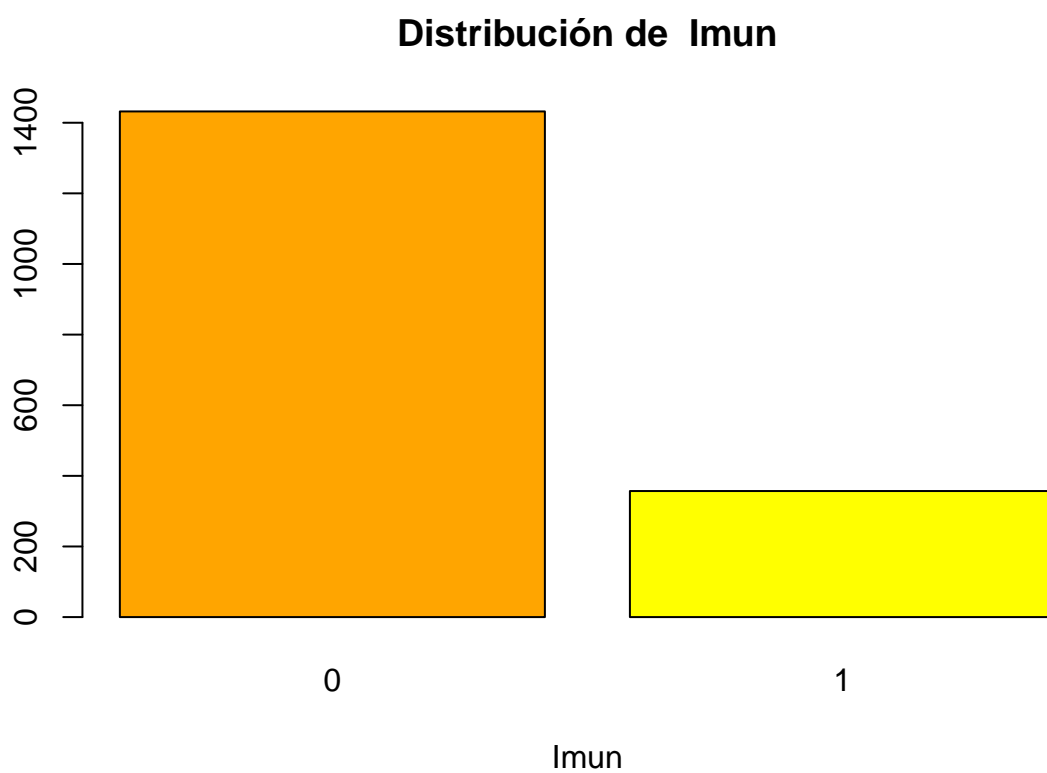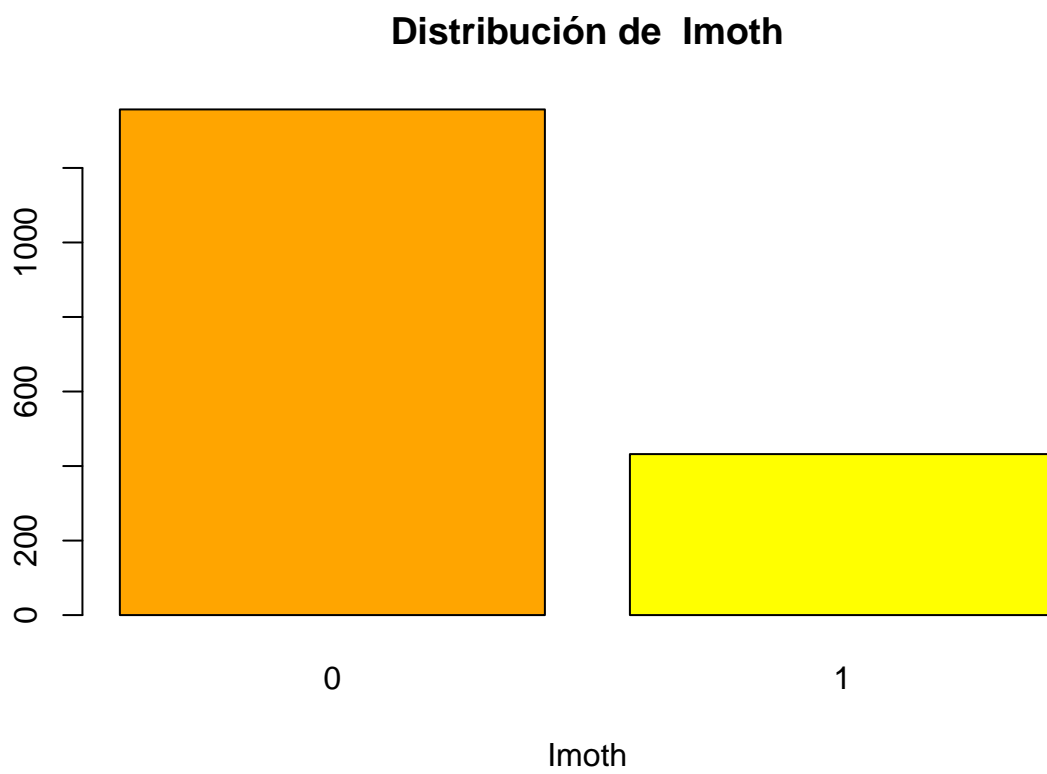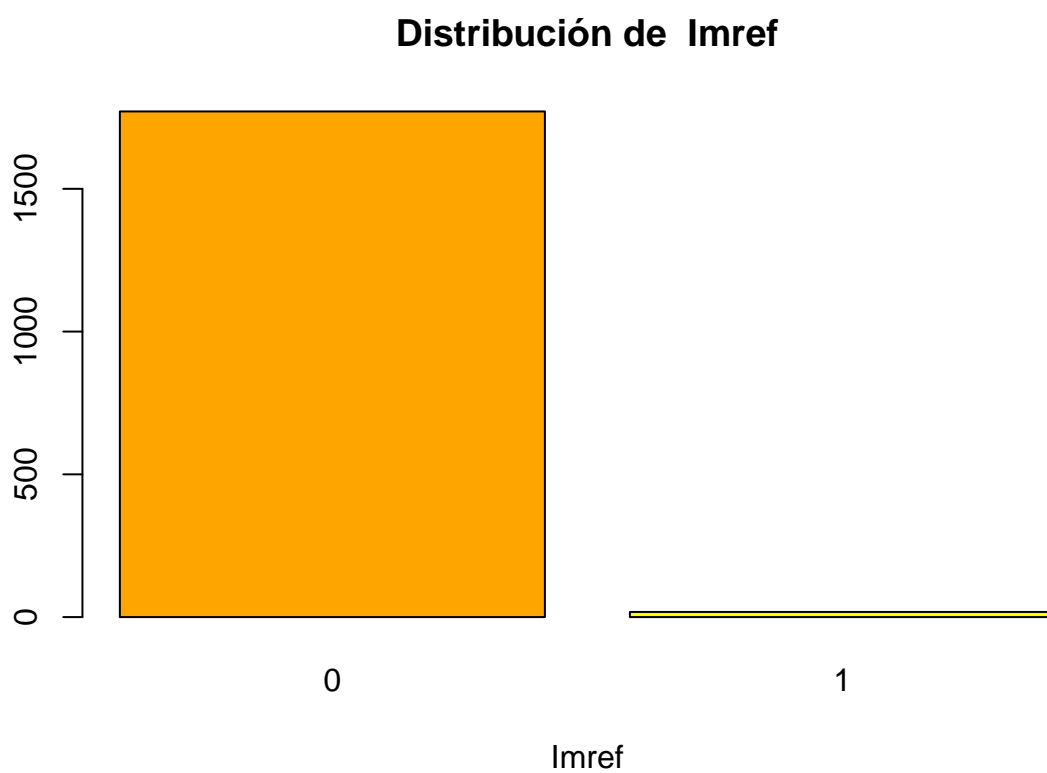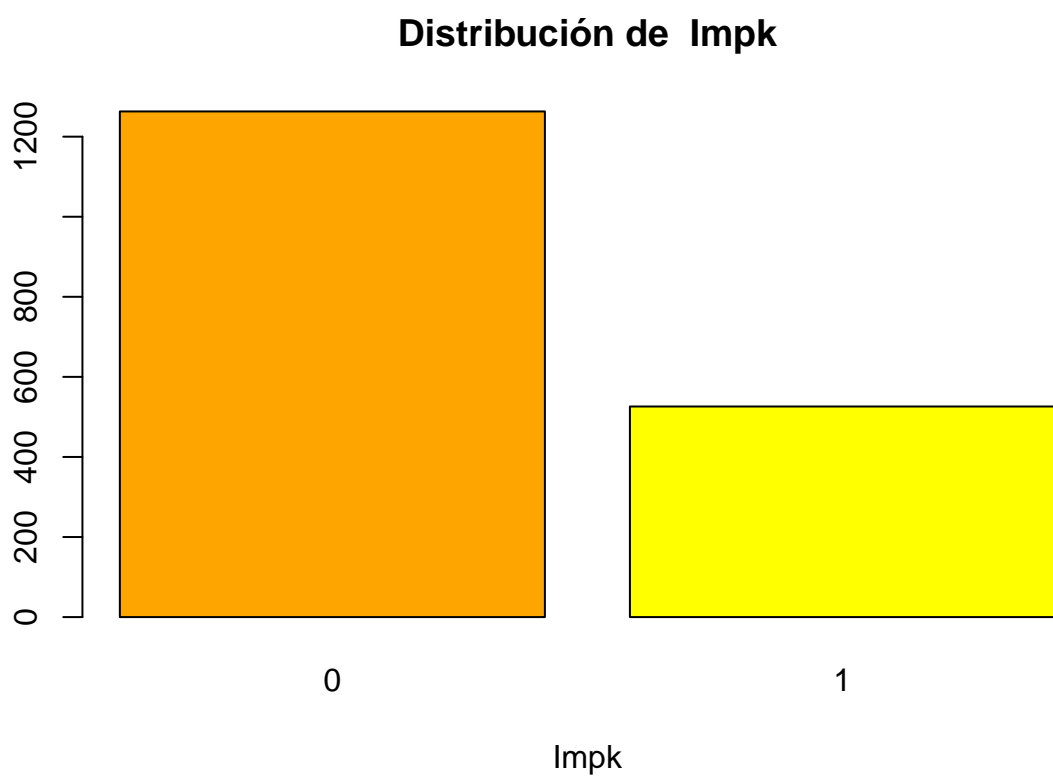
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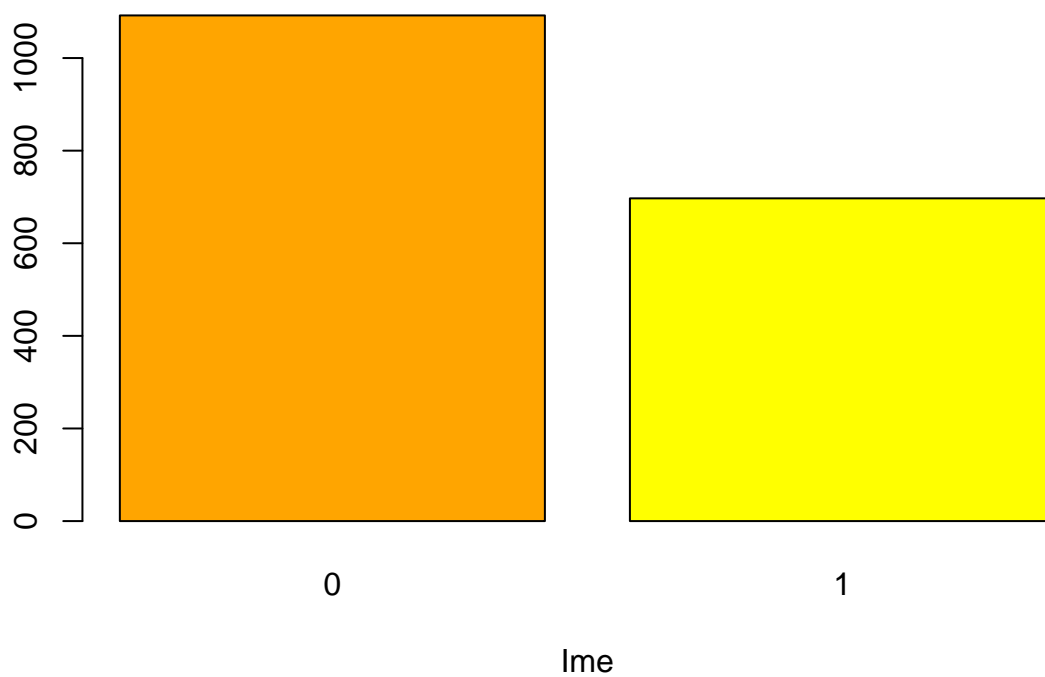
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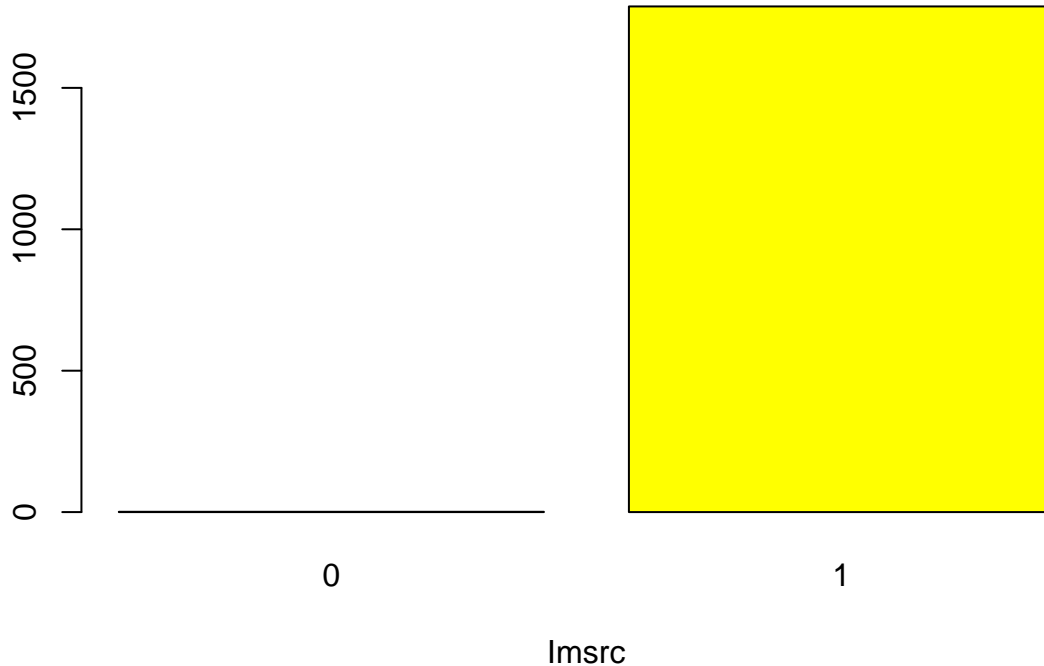
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