

# assignment

*sn0wfree*

11/16/2016

## Contents

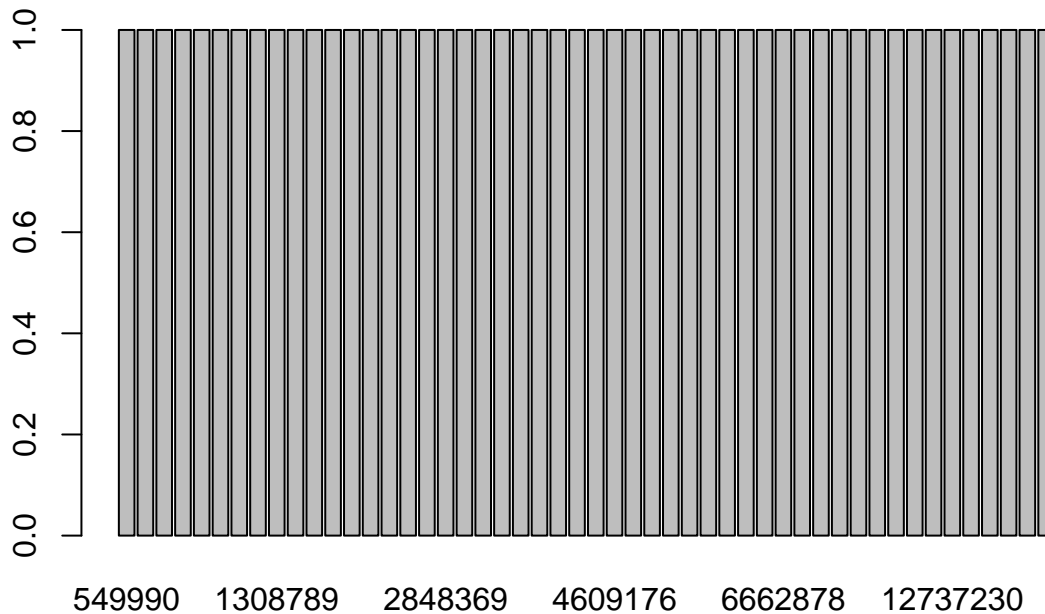
0.1	the variable label: . . . . .	4
0.2	State   Pop2010   IntUse2010   FaceUse2010   Pop2015   LandAream2   LandAreak2 . . . . .	4
0.3	VehiclesPer1000   GiniCoeff   PovRate1   NPov000s   Rovrate2   PovRate3   Pop2010x . . . . .	4
0.4	Densitym2   Murd   GunMurd   GunOwnPC   murd.pop2010x   V_Relig   EmitCO2 . . . . .	4
0.5	Pop2014   EmitRate   ObeseAd   OverweAd   ObeseCh   pHigh   pBatDeg . . . . .	4
0.6	pAdDeg   NinJail   NJailper100k   pcRenew   pcRenewNOhydro   RenElec   RenElecNOhydro . .	4
0.7	TotalElec   pcUnion   Nunion   WorkPop   RIght2Work   Nbillionaires   Collectivism . . . . .	4
0.8	Ln.Firms.per.capita.   land.water.Total.Area.   Water.Area   Population.Density   Unemploy- ment.Rates     . . . . .	4

```
#assign<-read.csv( "States facts.csv" ,header=TRUE)
all<-read.csv( "all.csv" ,header=1)
head(all)
```

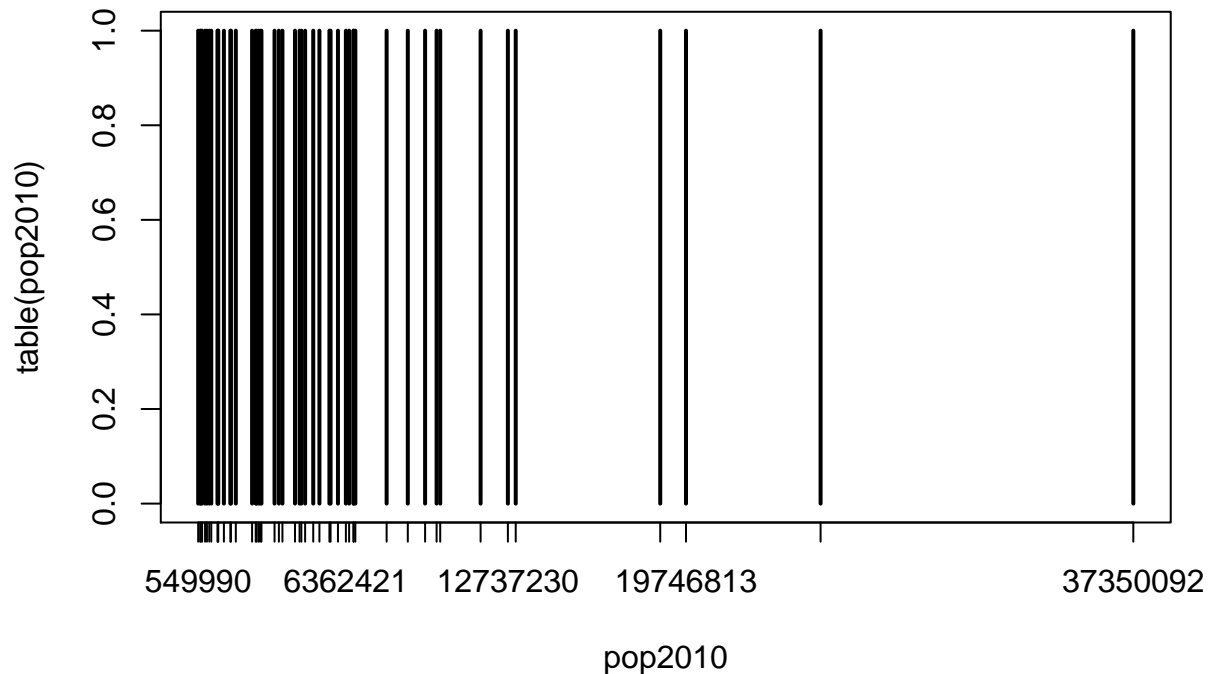
```
##      State  Pop2010  IntUse2010  FaceUse2010  Pop2015  LandAream2
## 1   Alabama  4758191    3092273    1599260    4855071    50645
## 2   Alaska   705813     593193     336440     740405    570641
## 3   Arizona  6665093    5230474    2448140    6826302    113594
## 4   Arkansas 2919815    1949869     989820    2977410    52035
## 5 California 37350092    29758896    16673720   39141723    155779
## 6   Colorado 5077553    4058749    2369420    5450364    103642
##      LandAreak2  VehiclesPer1000  GiniCoeff  PovRate1  NPov000s  Rovrate2  PovRate3
## 1   131169.9          1030        0.472    0.192      905      0.168    0.135
## 2   1477953.4          960        0.422    0.114      81      0.121    0.125
## 3   294207.1          660        0.455    0.182     1195     0.213    0.188
## 4   134770.0          700        0.458    0.187      539     0.191    0.165
## 5   403465.8          840        0.471    0.164     6253     0.155    0.238
## 6   268431.5          340        0.457    0.121      632     0.124    0.137
##      Pop2010x  Densitym2  Murd  GunMurd  GunOwnPC  murd.pop2010x  V_Relig  EmitCO2
## 1   4779736    94.650    199    135      0.489    4.16341e-05    56      121
## 2   710231     1.264     31     19      0.617    4.36478e-05    28      35
## 3   6392017    57.050    352    232     0.323    5.50687e-05    35      93
## 4   2915918    56.430    130     93     0.579    4.45829e-05    54      69
## 5   37253956   244.200   1811   1257    0.201    4.86123e-05    35     359
## 6   5029196    49.330    117     65    0.343    2.32642e-05    33      91
##      Pop2014  EmitRate  ObeseAd  OverweAd  ObeseCh  pHigh  pBatDeg  pAdDeg  NinJail
## 1   4849377    25.05    0.301    0.654    0.167    0.821    0.220    0.077    46000
## 2   736732     47.17    0.273    0.645    0.111    0.914    0.266    0.090    5100
## 3   6731484    13.79    0.233    0.595    0.122    0.842    0.256    0.093    55200
## 4   2966369    23.13    0.281    0.647    0.164    0.824    0.189    0.061    22800
## 5   38802500    9.26    0.231    0.594    0.132    0.806    0.299    0.107    218800
## 6   5355866    16.95    0.210    0.550    0.099    0.893    0.359    0.127    32100
##      NJailper100k  pcRenew  pcRenewNOhydro  RenElec  RenElecNOhydro  TotalElec
## 1           1230      8.8          2.18    13462          3329    152967
## 2           940      29.0          3.57    1759          217     6073
```

```
## 3      1090      9.5      3.70  10734      4199  113351
## 4      1010      9.3      2.69   5159      1496   55682
## 5       750     30.5     23.50  60359     46498  197994
## 6       790     17.8     15.00   9354      7862   52515
##   pcUnion  Nunion  WorkPop  Rlght2Work  Nbillionaires  Collectivism
## 1    10.2  190000  1863000      Yes           0           57
## 2    19.6   60000   304000      No           0           48
## 3     5.2  138000  2661000      Yes           9           49
## 4     5.1   58000  1155000      Yes           5           54
## 5    15.9 2486000 15657000      No          124           60
## 6     8.4  194000  2310000      No           10           36
##   Ln.Firms.per.capita.  land.water.Total.Area.  Water.Area
## 1          -2.226665          52419.02    1675.01
## 2          -1.964075          663267.26   91316.00
## 3          -2.285662          113998.30    363.73
## 4          -2.113070           53178.62    1110.45
## 5          -2.067482          163695.57    7736.23
## 6          -1.899379          104093.57     376.04
##   Population.Density  Unemployment.Rates
## 1             94.4             6.1
## 2              1.2             6.5
## 3             56.3             6.1
## 4             56.0             5.2
## 5            239.1             6.2
## 6             48.5             3.9
```

```
barplot(table(all$Pop2010))
```



```
pop2010<-all$Pop2010
pop2015<-all$Pop2015
plot(table(pop2010))
```



```
variables_name<-variable.names(all)
variables_name
```

```
## [1] "State" "Pop2010"
## [3] "IntUse2010" "FaceUse2010"
## [5] "Pop2015" "LandAream2"
## [7] "LandAreak2" "VehiclesPer1000"
## [9] "GiniCoeff" "PovRate1"
## [11] "NPov000s" "Rovrate2"
## [13] "PovRate3" "Pop2010x"
## [15] "Densitym2" "Murd"
## [17] "GunMurd" "GunOwnPC"
## [19] "murd.pop2010x" "V_Relig"
## [21] "EmitCO2" "Pop2014"
## [23] "EmitRate" "ObeseAd"
## [25] "OverweAd" "ObeseCh"
## [27] "pHigh" "pBatDeg"
## [29] "pAdDeg" "NinJail"
## [31] "NJailper100k" "pcRenew"
## [33] "pcRenewNOhydro" "RenElec"
## [35] "RenElecNOhydro" "TotalElec"
## [37] "pcUnion" "Nunion"
## [39] "WorkPop" "RIght2Work"
## [41] "Nbillionaires" "Collectivism"
## [43] "Ln.Firms.per.capita." "land.water.Total.Area."
## [45] "Water.Area" "Population.Density"
## [47] "Unemployment.Rates"
```

0.1 the variable label:

0.2 State | Pop2010 |IntUse2010 |FaceUse2010 |Pop2015 |LandAream2 |LandAreak2

0.3 VehiclesPer1000 | GiniCoeff |PovRate1 |NPov000s |Rovrate2 |PovRate3 |Pop2010x

0.4 Densitym2 | Murd |GunMurd |GunOwnPC |murd.pop2010x |V\_Relig |EmitCO2

0.5 Pop2014 | EmitRate |ObeseAd |OverweAd |ObeseCh |pHigh |pBatDeg

0.6 pAdDeg | NinJail |NJailper100k |pcRenew |pcRenewNOhydro |RenElec |RenElecNOhydro

0.7 TotalElec | pcUnion |Nunion |WorkPop |RIght2Work |Nbillionaires |Collectivism

0.8 Ln.Firms.per.capita. | land.water.Total.Area. |Water.Area |Population.Density |Unemployment.Rates | |

```
colnames(all)
```

```
## [1] "State"                "Pop2010"
## [3] "IntUse2010"           "FaceUse2010"
## [5] "Pop2015"              "LandAream2"
## [7] "LandAreak2"           "VehiclesPer1000"
## [9] "GiniCoeff"            "PovRate1"
## [11] "NPov000s"             "Rovrate2"
## [13] "PovRate3"             "Pop2010x"
## [15] "Densitym2"            "Murd"
## [17] "GunMurd"              "GunOwnPC"
## [19] "murd.pop2010x"        "V_Relig"
## [21] "EmitCO2"              "Pop2014"
## [23] "EmitRate"             "ObeseAd"
## [25] "OverweAd"             "ObeseCh"
## [27] "pHigh"                "pBatDeg"
## [29] "pAdDeg"               "NinJail"
## [31] "NJailper100k"         "pcRenew"
## [33] "pcRenewNOhydro"       "RenElec"
## [35] "RenElecNOhydro"       "TotalElec"
## [37] "pcUnion"              "Nunion"
## [39] "WorkPop"              "RIght2Work"
## [41] "Nbillionaires"        "Collectivism"
## [43] "Ln.Firms.per.capita." "land.water.Total.Area."
## [45] "Water.Area"           "Population.Density"
## [47] "Unemployment.Rates"
```