

```
In [59]: from io import BytesIO
from zipfile import ZipFile
import pandas as pd
import numpy as np
import os
import datetime
```

```
In [60]: path = "/home/nacho/Documents/coronavirus/COVID-19_Paper/prediction_d
ata"
os.chdir(os.path.join(path))
```

```
In [61]: def print_values(df):
    for i in df[df.columns]:
        #x = df[i].value_counts()
        x = (df[i].value_counts()/df[i].count())*100
        print(i, "\n", x)
        print()
    print(df.shape)
```

```
In [62]: #CASO 1 - si el paciente contagiado de CoV-2 necesitará hospitalización  
  
df = pd.read_csv("df_cas01.zip")  
print_values(df)
```

SEX0

0 50.119343

1 49.880657

Name: SEX0, dtype: float64

TIPO_PACIENTE

0 81.163394

1 18.836606

Name: TIPO_PACIENTE, dtype: float64

EDAD

30 2.271840

31 2.223502

29 2.214040

28 2.200095

32 2.169334

117 0.000179

114 0.000179

113 0.000135

119 0.000045

111 0.000045

Name: EDAD, Length: 122, dtype: float64

EMBARAZO

0 99.367526

1 0.632474

Name: EMBARAZO, dtype: float64

DIABETES

0 86.635583

1 13.364417

Name: DIABETES, dtype: float64

EPOC

0 98.886568

1 1.113432

Name: EPOC, dtype: float64

ASMA

0 97.797573

1 2.202427

Name: ASMA, dtype: float64

INMUSUPR

0 99.175385

1 0.824615

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 82.621604

1 17.378396

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 98.44897

1 1.55103

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 85.393414

1 14.606586

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 98.501971

1 1.498029

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.710159

1 7.289841

Name: TABAQUISMO, dtype: float64

(2230131, 13)

```
In [63]: #CASO 1.2: si el paciente contagiado de CoV-2 necesitará hospitalización crítica
'''
TIPO_PACIENTE
1 100.0
'''
df = pd.read_csv("df_caso0.zip")
print_values(df)
```

SEX0
0 59.363903
1 40.636097
Name: SEX0, dtype: float64

EDAD
60 2.519420
61 2.479646
63 2.472937
56 2.468384
59 2.467426
...
115 0.000240
110 0.000240
109 0.000240
106 0.000240
118 0.000240
Name: EDAD, Length: 114, dtype: float64

EMBARAZO
0 99.358584
1 0.641416
Name: EMBARAZO, dtype: float64

DIABETES
0 67.527638
1 32.472362
Name: DIABETES, dtype: float64

EPOC
0 96.529598
1 3.470402
Name: EPOC, dtype: float64

ASMA
0 97.989975
1 2.010025
Name: ASMA, dtype: float64

INMUSUPR
0 97.948045
1 2.051955
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 61.580945
1 38.419055
Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR
0 95.838585
1 4.161415
Name: CARDIOVASCULAR, dtype: float64

OBESIDAD
0 78.65861
1 21.34139

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.789605

1 5.210395

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.527998

1 7.472002

Name: TABAQUISMO, dtype: float64

hosp_critica

0 83.091255

1 16.908745

Name: hosp_critica, dtype: float64

(417358, 13)

```
In [64]: #CASO 2: predecir en base a los descriptores la mortalidad (sin filtr  
o)  
  
df = pd.read_csv("df_caso2.zip")  
print_values(df)
```


SEX0

0 50.119343

1 49.880657

Name: SEX0, dtype: float64

TIPO_PACIENTE

0 81.163394

1 18.836606

Name: TIPO_PACIENTE, dtype: float64

EDAD

30 2.271840

31 2.223502

29 2.214040

28 2.200095

32 2.169334

117 0.000179

114 0.000179

113 0.000135

119 0.000045

111 0.000045

Name: EDAD, Length: 122, dtype: float64

EMBARAZO

0 99.367526

1 0.632474

Name: EMBARAZO, dtype: float64

DIABETES

0 86.635583

1 13.364417

Name: DIABETES, dtype: float64

EPOC

0 98.886568

1 1.113432

Name: EPOC, dtype: float64

ASMA

0 97.797573

1 2.202427

Name: ASMA, dtype: float64

INMUSUPR

0 99.175385

1 0.824615

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 82.621604

1 17.378396

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 98.44897

1 1.55103

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 85.393414

1 14.606586

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 98.501971

1 1.498029

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.710159

1 7.289841

Name: TABAQUISMO, dtype: float64

BOOL_DEF

0 90.829552

1 9.170448

Name: BOOL_DEF, dtype: float64

(2230131, 14)

```
In [47]: #CASO 3: Mortalidad de los contagiados DESPUES de INTUBADO,UCI (sin filtro)
'''
TIPO_PACIENTE
1 100.0
'''

df = pd.read_csv("df_caso3.zip")
print_values(df)
```

SEX0
0 59.363903
1 40.636097
Name: SEX0, dtype: float64

INTUBADO
0 86.908362
1 13.091638
Name: INTUBADO, dtype: float64

EDAD
60 2.519420
61 2.479646
63 2.472937
56 2.468384
59 2.467426
...
115 0.000240
110 0.000240
109 0.000240
106 0.000240
118 0.000240
Name: EDAD, Length: 114, dtype: float64

EMBARAZO
0 99.358584
1 0.641416
Name: EMBARAZO, dtype: float64

DIABETES
0 67.527638
1 32.472362
Name: DIABETES, dtype: float64

EPOC
0 96.529598
1 3.470402
Name: EPOC, dtype: float64

ASMA
0 97.989975
1 2.010025
Name: ASMA, dtype: float64

INMUSUPR
0 97.948045
1 2.051955
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 61.580945
1 38.419055
Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR
0 95.838585
1 4.161415

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 78.65861

1 21.34139

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.789605

1 5.210395

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.527998

1 7.472002

Name: TABAQUISMO, dtype: float64

UCI

0 92.037052

1 7.962948

Name: UCI, dtype: float64

BOOL_DEF

0 55.602145

1 44.397855

Name: BOOL_DEF, dtype: float64

(417358, 15)

```
In [65]: #CASO 3.1: Mortalidad de los contagiados DESPUES de INTUBADO,UCI (con
filtro)
'''
INTUBADO
1
100.0
Name: INTUBADO, dtype: float64
UCI
1
100.0
Name: UCI, dtype: float64
TIPO_PACIENTE
1
100.0
Name: TIPO_PACIENTE, dtype: float64
'''
df = pd.read_csv("df_caso_3_1.zip")
print_values(df)
```

SEX0
0 65.531989
1 34.468011
Name: SEX0, dtype: float64

EDAD
60 2.901231
61 2.750968
67 2.658499
65 2.641160
66 2.623822
...
7 0.023117
101 0.011559
98 0.011559
100 0.005779
116 0.005779
Name: EDAD, Length: 102, dtype: float64

EMBARAZO
0 99.341155
1 0.658845
Name: EMBARAZO, dtype: float64

DIABETES
0 66.346876
1 33.653124
Name: DIABETES, dtype: float64

EPOC
0 96.971623
1 3.028377
Name: EPOC, dtype: float64

ASMA
0 98.092816
1 1.907184
Name: ASMA, dtype: float64

INMUSUPR
0 97.468647
1 2.531353
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 61.544241
1 38.455759
Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR
0 95.133792
1 4.866208
Name: CARDIOVASCULAR, dtype: float64

OBESIDAD
0 71.941282
1 28.058718

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 95.688609

1 4.311391

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.140091

1 7.859909

Name: TABAQUISMO, dtype: float64

BOOL_DEF

1 76.420274

0 23.579726

Name: BOOL_DEF, dtype: float64

(17303, 13)


```
In [66]: #CASO 3.2: Mortalidad de los contagiados DESPUES de INTUBADO,UCI (fil  
tro solo INTUBADO)  
'''  
INTUBADO  
1  
100.0  
Name: INTUBADO, dtype: float64  
TIPO_PACIENTE  
1  
100.0  
Name: TIPO_PACIENTE, dtype: float64  
'''  
df = pd.read_csv("df_caso_3_2.zip")  
print_values(df)
```

SEX0
0 63.807903
1 36.192097
Name: SEX0, dtype: float64

EDAD
63 2.931972
61 2.888047
60 2.869745
65 2.834971
67 2.794707
...
100 0.010981
99 0.007321
101 0.003660
116 0.001830
108 0.001830
Name: EDAD, Length: 104, dtype: float64

EMBARAZO
0 99.685207
1 0.314793
Name: EMBARAZO, dtype: float64

DIABETES
0 64.710189
1 35.289811
Name: DIABETES, dtype: float64

EPOC
0 96.271894
1 3.728106
Name: EPOC, dtype: float64

ASMA
0 97.977635
1 2.022365
Name: ASMA, dtype: float64

INMUSUPR
0 97.604275
1 2.395725
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 57.788393
1 42.211607
Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR
0 95.29823
1 4.70177
Name: CARDIOVASCULAR, dtype: float64

OBESIDAD
0 73.776972
1 26.223028

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.73453

1 5.26547

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 91.659803

1 8.340197

Name: TABAQUISMO, dtype: float64

UCI

0 68.332144

1 31.667856

Name: UCI, dtype: float64

BOOL_DEF

1 83.017625

0 16.982375

Name: BOOL_DEF, dtype: float64

(54639, 14)

```
In [67]: #CASO 3.3: Mortalidad de los contagiados DESPUES de INTUBADO,UCI (fil  
tro solo UCI)  
'''  
UCI  
1  
100.0  
Name: UCI, dtype: float64  
TIPO_PACIENTE  
1  
100.0  
Name: TIPO_PACIENTE, dtype: float64  
'''  
df = pd.read_csv("df_caso_3_3.zip")  
print_values(df)
```

SEX0

0 62.878378

1 37.121622

Name: SEX0, dtype: float64

INTUBADO

1 52.064151

0 47.935849

Name: INTUBADO, dtype: float64

EDAD

60 2.867545

61 2.647891

58 2.641873

65 2.494433

55 2.491424

98 0.018054

99 0.015045

101 0.015045

103 0.006018

116 0.003009

Name: EDAD, Length: 104, dtype: float64

EMBARAZO

0 99.103328

1 0.896672

Name: EMBARAZO, dtype: float64

DIABETES

0 66.507191

1 33.492809

Name: DIABETES, dtype: float64

EPOC

0 96.762352

1 3.237648

Name: EPOC, dtype: float64

ASMA

0 97.996028

1 2.003972

Name: ASMA, dtype: float64

INMUSUPR

0 97.634952

1 2.365048

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 62.117109

1 37.882891

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.284949

1 4.715051

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 73.289402

1 26.710598

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 96.046218

1 3.953782

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.751399

1 7.248601

Name: TABAQUISMO, dtype: float64

BOOL_DEF

1 56.312812

0 43.687188

Name: BOOL_DEF, dtype: float64

(33234, 14)

```
In [17]: '''CASO 5 -Necesidad de ICU '''  
        '''  
        TIPO_PACIENTE  
        1  
        100.0  
        Name: TIPO_PACIENTE, dtype: float64}  
        '''  
        df = pd.read_csv("df_caso5.zip")  
        print_values(df)
```

SEX0

0 59.366202

1 40.633798

Name: SEX0, dtype: float64

NEUMONIA

1 65.745186

0 34.254814

Name: NEUMONIA, dtype: float64

EDAD

60 2.519364

61 2.480036

63 2.473562

59 2.467327

56 2.466608

...

115 0.000240

110 0.000240

109 0.000240

106 0.000240

118 0.000240

Name: EDAD, Length: 114, dtype: float64

EMBARAZO

0 99.358289

1 0.641711

Name: EMBARAZO, dtype: float64

DIABETES

0 67.521163

1 32.478837

Name: DIABETES, dtype: float64

EPOC

0 96.528381

1 3.471619

Name: EPOC, dtype: float64

ASMA

0 97.989976

1 2.010024

Name: ASMA, dtype: float64

INMUSUPR

0 97.947531

1 2.052469

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 61.575981

1 38.424019

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.838469

1 4.161531

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 78.658545

1 21.341455

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.788374

1 5.211626

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.528477

1 7.471523

Name: TABAQUISMO, dtype: float64

UCI

0 92.046474

1 7.953526

Name: UCI, dtype: float64

(417010, 14)

```
In [68]: #CASO 5.1: Necesidad de ICU DESPUES de diagnostico de neumonia (con f
         iltro)
         '''
         TIPO_PACIENTE
         1
         100.0
         Name: TIPO_PACIENTE, dtype: float64
         NEUMONIA
         1
         100.0
         Name: NEUMONIA, dtype: float64
         '''
         df = pd.read_csv("df_caso5_1.zip")
         print_values(df)
```

SEX0

0 60.443549

1 39.556451

Name: SEX0, dtype: float64

EDAD

60 2.628060

63 2.591255

65 2.576679

61 2.561739

59 2.541697

116 0.000364

110 0.000364

108 0.000364

104 0.000364

118 0.000364

Name: EDAD, Length: 110, dtype: float64

EMBARAZO

0 99.660014

1 0.339986

Name: EMBARAZO, dtype: float64

DIABETES

0 66.272506

1 33.727494

Name: DIABETES, dtype: float64

EPOC

0 96.454379

1 3.545621

Name: EPOC, dtype: float64

ASMA

0 98.094183

1 1.905817

Name: ASMA, dtype: float64

INMUSUPR

0 97.97466

1 2.02534

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 60.533191

1 39.466809

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.783881

1 4.216119

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 77.413701

1 22.586299

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.921708

1 5.078292

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.35669

1 7.64331

Name: TABAQUISMO, dtype: float64

UCI

0 89.556998

1 10.443002

Name: UCI, dtype: float64

(274423, 13)

```
In [19]: #CASO 6: necesidad de ventilador ANTES de DIAGNOSTICO de neumonia e I
CU (sin filtro)
'''
TIPO_PACIENTE
1
100.0
Name: TIPO_PACIENTE, dtype: float64
'''
df = pd.read_csv("df_caso6.zip")
print_values(df)
```

SEX0
0 59.366262
1 40.633738
Name: SEX0, dtype: float64

INTUBADO
0 86.912076
1 13.087924
Name: INTUBADO, dtype: float64

EDAD
60 2.519316
61 2.479989
63 2.473514
59 2.467280
56 2.466800
...
115 0.000240
110 0.000240
109 0.000240
106 0.000240
118 0.000240
Name: EDAD, Length: 114, dtype: float64

EMBARAZO
0 99.358301
1 0.641699
Name: EMBARAZO, dtype: float64

DIABETES
0 67.521066
1 32.478934
Name: DIABETES, dtype: float64

EPOC
0 96.528447
1 3.471553
Name: EPOC, dtype: float64

ASMA
0 97.990015
1 2.009985
Name: ASMA, dtype: float64

INMUSUPR
0 97.947571
1 2.052429
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 61.57552
1 38.42448
Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR
0 95.838549
1 4.161451

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 78.658715

1 21.341285

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.788474

1 5.211526

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.52838

1 7.47162

Name: TABAQUISMO, dtype: float64

(417018, 13)

```
In [69]: #CASO 7: necesidad de ventilador DESPUES de DIAGNOSTICO de neumonia e
        ICU (sin filtro)
        '''
        TIPO_PACIENTE
        1
        100.0
        Name: TIPO_PACIENTE, dtype: float64
        '''
        df = pd.read_csv("df_caso7.zip")
        print_values(df)
```


SEX0
0 59.363903
1 40.636097
Name: SEX0, dtype: float64

INTUBADO
0 86.908362
1 13.091638
Name: INTUBADO, dtype: float64

NEUMONIA
1 65.752424
0 34.247576
Name: NEUMONIA, dtype: float64

EDAD
60 2.519420
61 2.479646
63 2.472937
56 2.468384
59 2.467426
...
115 0.000240
110 0.000240
109 0.000240
106 0.000240
118 0.000240
Name: EDAD, Length: 114, dtype: float64

EMBARAZO
0 99.358584
1 0.641416
Name: EMBARAZO, dtype: float64

DIABETES
0 67.527638
1 32.472362
Name: DIABETES, dtype: float64

EPOC
0 96.529598
1 3.470402
Name: EPOC, dtype: float64

ASMA
0 97.989975
1 2.010025
Name: ASMA, dtype: float64

INMUSUPR
0 97.948045
1 2.051955
Name: INMUSUPR, dtype: float64

HIPERTENSION
0 61.580945
1 38.419055

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.838585

1 4.161415

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 78.65861

1 21.34139

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.789605

1 5.210395

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.527998

1 7.472002

Name: TABAQUISMO, dtype: float64

UCI

0 92.037052

1 7.962948

Name: UCI, dtype: float64

(417358, 15)

```
In [70]: #CASO 7.1: necesidad de ventilador DESPUES de DIAGNOSTICO de neumonia
         e ICU (con filtro)}
         '''
         TIPO_PACIENTE
         1
         100.0
         Name: TIPO_PACIENTE, dtype: float64
         UCI
         1
         100.0
         Name: UCI, dtype: float64
         NEUMONIA
         1
         100.0
         Name: NEUMONIA, dtype: float64
         '''
         df = pd.read_csv("df_caso_7_1.zip")
         print_values(df)
```

SEX0

0 63.776258

1 36.223742

Name: SEX0, dtype: float64

INTUBADO

1 56.741573

0 43.258427

Name: INTUBADO, dtype: float64

EDAD

60 2.948566

61 2.679880

58 2.658943

55 2.578687

62 2.557750

...

5 0.013958

7 0.013958

99 0.010468

103 0.003489

116 0.003489

Name: EDAD, Length: 104, dtype: float64

EMBARAZO

0 99.340498

1 0.659502

Name: EMBARAZO, dtype: float64

DIABETES

0 65.629144

1 34.370856

Name: DIABETES, dtype: float64

EPOC

0 96.636192

1 3.363808

Name: EPOC, dtype: float64

ASMA

0 98.018005

1 1.981995

Name: ASMA, dtype: float64

INMUSUPR

0 97.634168

1 2.365832

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 61.281318

1 38.718682

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.254379

1 4.745621

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 72.318375

1 27.681625

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 95.987159

1 4.012841

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.490753

1 7.509247

Name: TABAQUISMO, dtype: float64

(28658, 13)

```
In [71]: #CASO 7.2: necesidad de ventilador DESPUES de DIAGNOSTICO de neumonia
         e ICU (solo filtro UCI)
         '''
         TIPO_PACIENTE
         1
         100.0
         Name: TIPO_PACIENTE, dtype: float64
         UCI
         1
         100.0
         Name: UCI, dtype: float64
         '''
         df = pd.read_csv("df_caso_7_2.zip")
         print_values(df)
```

SEX0

0 62.878378

1 37.121622

Name: SEX0, dtype: float64

INTUBADO

1 52.064151

0 47.935849

Name: INTUBADO, dtype: float64

NEUMONIA

1 86.230968

0 13.769032

Name: NEUMONIA, dtype: float64

EDAD

60 2.867545

61 2.647891

58 2.641873

65 2.494433

55 2.491424

...

98 0.018054

99 0.015045

101 0.015045

103 0.006018

116 0.003009

Name: EDAD, Length: 104, dtype: float64

EMBARAZO

0 99.103328

1 0.896672

Name: EMBARAZO, dtype: float64

DIABETES

0 66.507191

1 33.492809

Name: DIABETES, dtype: float64

EPOC

0 96.762352

1 3.237648

Name: EPOC, dtype: float64

ASMA

0 97.996028

1 2.003972

Name: ASMA, dtype: float64

INMUSUPR

0 97.634952

1 2.365048

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 62.117109

1 37.882891

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.284949

1 4.715051

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 73.289402

1 26.710598

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 96.046218

1 3.953782

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.751399

1 7.248601

Name: TABAQUISMO, dtype: float64

(33234, 14)


```
In [72]: #CASO 7.3: necesidad de ventilador DESPUES de DIAGNOSTICO de neumonia
         e ICU (solo filtro neumonia)
         '''
         TIPO_PACIENTE
         1
         100.0
         Name: TIPO_PACIENTE, dtype: float64
         NEUMONIA
         1
         100.0
         Name: NEUMONIA, dtype: float64
         '''
         df = pd.read_csv("df_caso_7_3.zip")
         print_values(df)
```

SEX0

0 60.443549

1 39.556451

Name: SEX0, dtype: float64

INTUBADO

0 83.196379

1 16.803621

Name: INTUBADO, dtype: float64

EDAD

60 2.628060

63 2.591255

65 2.576679

61 2.561739

59 2.541697

...

116 0.000364

110 0.000364

108 0.000364

104 0.000364

118 0.000364

Name: EDAD, Length: 110, dtype: float64

EMBARAZO

0 99.660014

1 0.339986

Name: EMBARAZO, dtype: float64

DIABETES

0 66.272506

1 33.727494

Name: DIABETES, dtype: float64

EPOC

0 96.454379

1 3.545621

Name: EPOC, dtype: float64

ASMA

0 98.094183

1 1.905817

Name: ASMA, dtype: float64

INMUSUPR

0 97.97466

1 2.02534

Name: INMUSUPR, dtype: float64

HIPERTENSION

0 60.533191

1 39.466809

Name: HIPERTENSION, dtype: float64

CARDIOVASCULAR

0 95.783881

1 4.216119

Name: CARDIOVASCULAR, dtype: float64

OBESIDAD

0 77.413701

1 22.586299

Name: OBESIDAD, dtype: float64

RENAL_CRONICA

0 94.921708

1 5.078292

Name: RENAL_CRONICA, dtype: float64

TABAQUISMO

0 92.35669

1 7.64331

Name: TABAQUISMO, dtype: float64

UCI

0 89.556998

1 10.443002

Name: UCI, dtype: float64

(274423, 14)

In []: