DESCRITIVA DE DADOS

TAMANHO DA BASE

```
Total de registros: 10000
Total de variáveis: 61
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 10000 entries, 0 to 9999
Data columns (total 61 columns):
 #   Column      Non-Null Count  Dtype  
---  ------      --------------  -----  
 0   ORIGEM      10000 non-null  int64  
 1   CODESTAB    9518 non-null   float64
 2   CODMUNNASC  10000 non-null  int64  
 3   LOCNASC     10000 non-null  int64  
 4   IDADEMAE    9999 non-null   float64
 5   ESTCIVMAE   9909 non-null   float64
 6   ESCMAE      9962 non-null   float64
 7   CODOCUPMAE  8896 non-null   float64
 8   QTDFILVIVO  9282 non-null   float64
 9   QTDFILMORT  8499 non-null   float64
 10  CODMUNRES   10000 non-null  int64  
 11  GESTACAO    9657 non-null   float64
 12  GRAVIDEZ    9991 non-null   float64
 13  PARTO       9992 non-null   float64
 14  CONSULTAS   10000 non-null  int64  
 15  DTNASC      10000 non-null  int64  
 16  HORANASC    9978 non-null   float64
 17  SEXO        10000 non-null  int64  
 18  APGAR1      9562 non-null   float64
 19  APGAR5      9559 non-null   float64
 20  RACACOR     9732 non-null   float64
 21  PESO        9885 non-null   float64
 22  IDANOMAL    9608 non-null   float64
 23  DTCADASTRO  10000 non-null  int64  
 24  CODANOMAL   54 non-null     object 
 25  NUMEROLOTE  9797 non-null   float64
 26  VERSAOSIST  9797 non-null   object 
 27  DTRECEBIM   9797 non-null   float64
 28  DIFDATA     10000 non-null  int64  
 29  DTRECORIGA  0 non-null      float64
 30  NATURALMAE  9879 non-null   float64
 31  CODMUNNATU  9879 non-null   float64
 32  CODUFNATU   9879 non-null   float64
 33  ESCMAE2010  9889 non-null   float64
 34  SERIESCMAE  5180 non-null   float64
 35  DTNASCMAE   9923 non-null   float64
 36  RACACORMAE  9659 non-null   float64
 37  QTDGESTANT  9315 non-null   float64
 38  QTDPARTNOR  8903 non-null   float64
 39  QTDPARTCES  8560 non-null   float64
 40  IDADEPAI    1436 non-null   float64
 41  DTULTMENST  8422 non-null   float64
 42  SEMAGESTAC  9657 non-null   float64
 43  TPMETESTIM  9657 non-null   float64
 44  CONSPRENAT  9802 non-null   float64
 45  MESPRENAT   9719 non-null   float64
 46  TPAPRESENT  9908 non-null   float64
 47  STTRABPART  9886 non-null   float64
 48  STCESPARTO  9975 non-null   float64
 49  TPNASCASSI  9913 non-null   float64
 50  TPFUNCRESP  9911 non-null   float64
 51  TPDOCRESP   9923 non-null   float64
 52  DTDECLARAC  9914 non-null   float64
 53  ESCMAEAGR1  9889 non-null   float64
 54  STDNEPIDEM  10000 non-null  int64  
 55  STDNNOVA    10000 non-null  int64  
 56  CODPAISRES  9997 non-null   float64
 57  TPROBSON    10000 non-null  int64  
```

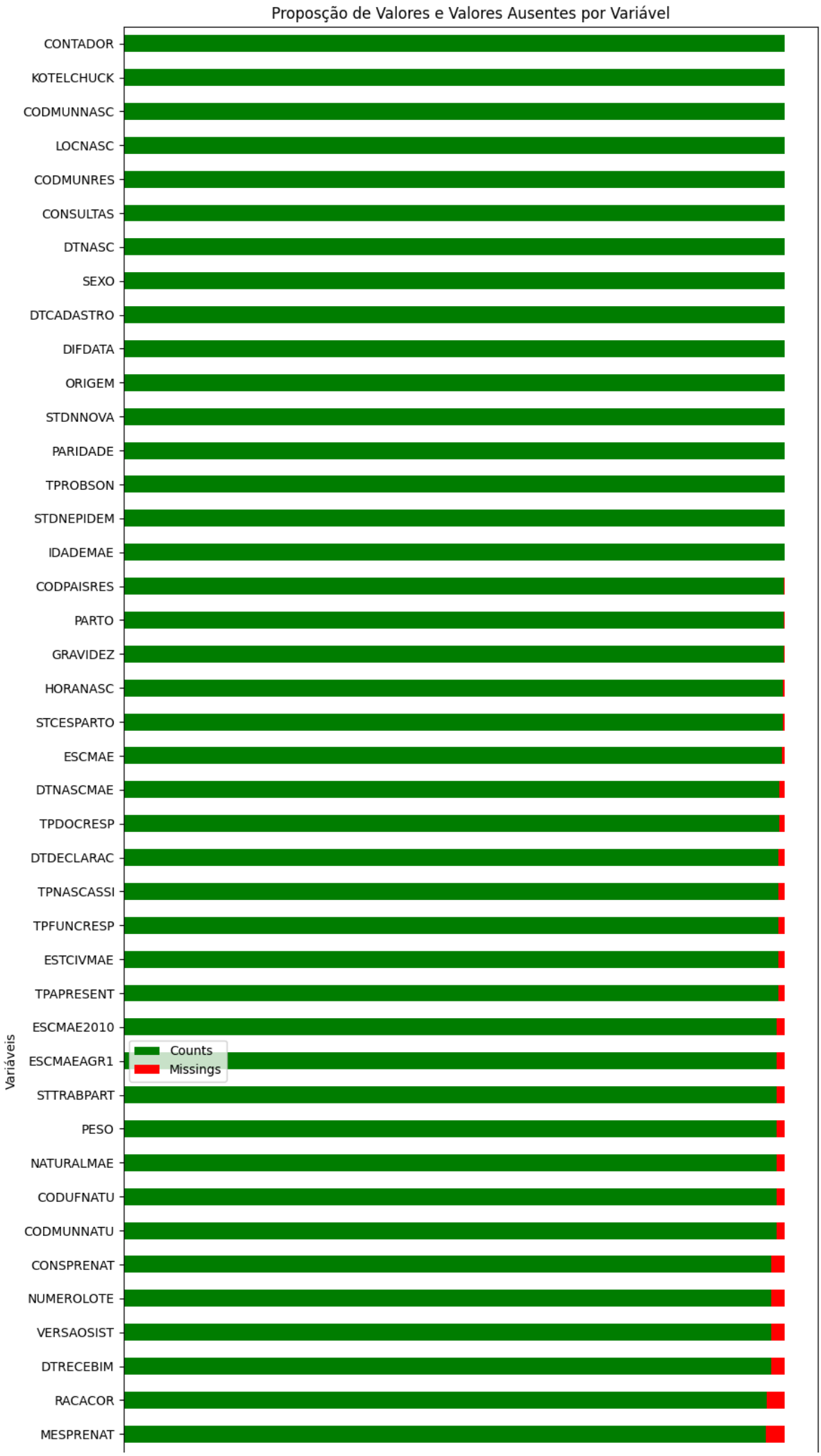
```
 58  PARIDADE    10000 non-null  int64
 59  KOTELCHUCK  10000 non-null  int64
 60  CONTADOR    10000 non-null  int64
dtypes: float64(44), int64(15), object(2)
memory usage: 4.7+ MB
```

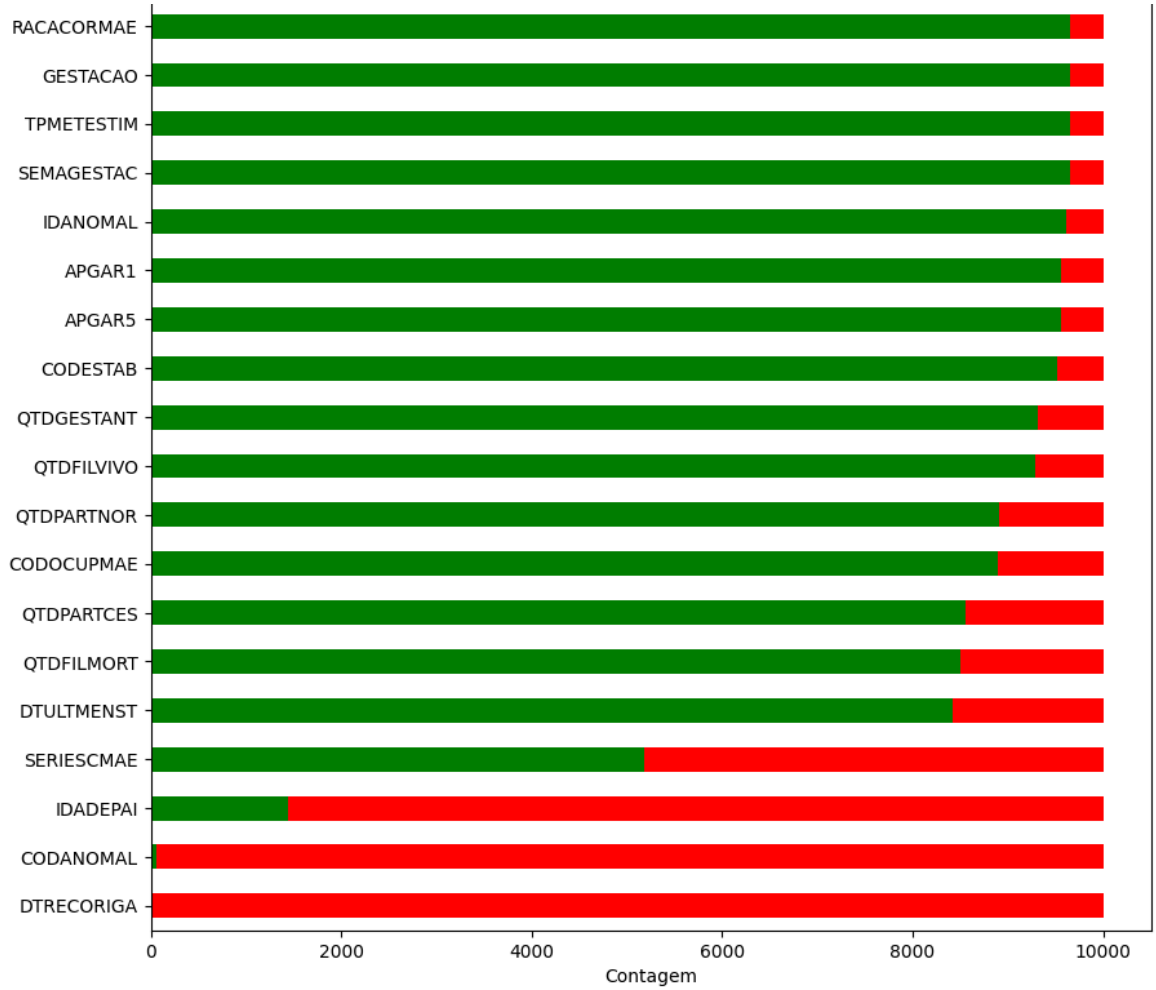
COMPLETUDE DA BASE

Out[ ]:

	Counts	Missings
ORIGEM	10000	0
CODESTAB	9518	482
CODMUNNASC	10000	0
LOCNASC	10000	0
IDADEMAE	9999	1
ESTCIVMAE	9909	91
ESCMAE	9962	38
CODOCUPMAE	8896	1104
QTDFILVIVO	9282	718
QTDFILMORT	8499	1501
CODMUNRES	10000	0
GESTACAO	9657	343
GRAVIDEZ	9991	9
PARTO	9992	8
CONSULTAS	10000	0
DTNASC	10000	0
HORANASC	9978	22
SEXO	10000	0
APGAR1	9562	438
APGAR5	9559	441
RACACOR	9732	268
PESO	9885	115
IDANOMAL	9608	392
DTCADASTRO	10000	0
CODANOMAL	54	9946
NUMEROLOTE	9797	203
VERSAOSIST	9797	203
DTRECEBIM	9797	203
DIFDATA	10000	0
DTRECORIGA	0	10000
NATURALMAE	9879	121
CODMUNNATU	9879	121
CODUFNATU	9879	121
ESCMAE2010	9889	111
SERIESCMAE	5180	4820
DTNASCMAE	9923	77

	Counts	Missings
RACACORMAE	9659	341
QTDGESTANT	9315	685
QTDPARTNOR	8903	1097
QTDPARTCES	8560	1440
IDADEPAI	1436	8564
DTULTMENST	8422	1578
SEMAGESTAC	9657	343
TPMETESTIM	9657	343
CONSPRENAT	9802	198
MESPRENAT	9719	281
TPAPRESENT	9908	92
STTRABPART	9886	114
STCESPARTO	9975	25
TPNASCASSI	9913	87
TPFUNCRESP	9911	89
TPDOCRESP	9923	77
DTDECLARAC	9914	86
ESCMAEAGR1	9889	111
STDNEPIDEM	10000	0
STDNNOVA	10000	0
CODPAISRES	9997	3
TPROBSON	10000	0
PARIDADE	10000	0
KOTELCHUCK	10000	0
CONTADOR	10000	0


Proposção de Valores e Valores Ausentes por Variável
CONTADOR
KOTELCHUCK
CODMUNNASC
LOCNASC
CODMUNRES
CONSULTAS
DTNASC
SEXO
DTCADASTRO
DIFDATA
ORIGEM
STDNNOVA
PARIDADE
TPROBSON
STDNEPIDEM
IDADEMAE
CODPAISRES
PARTO
GRAVIDEZ
HORANASC
STCESPARTO
ESCMAE
DTNASCMAE
TPDOCRESP
DTDECLARAC
TPNASCASSI
TPFUNCRESP
ESTCIVMAE
TPAPRESENT
ESCMAE2010
ESCMAEAGR1
STTRABPART
PESO
NATURALMAE
CODUFNATU
CODMUNNATU
CONSPRENAT
NUMEROLOTE
VERSAOSIST
DTRECEBIM
RACACOR
MESPRENAT
Variáveis
Counts
Missings

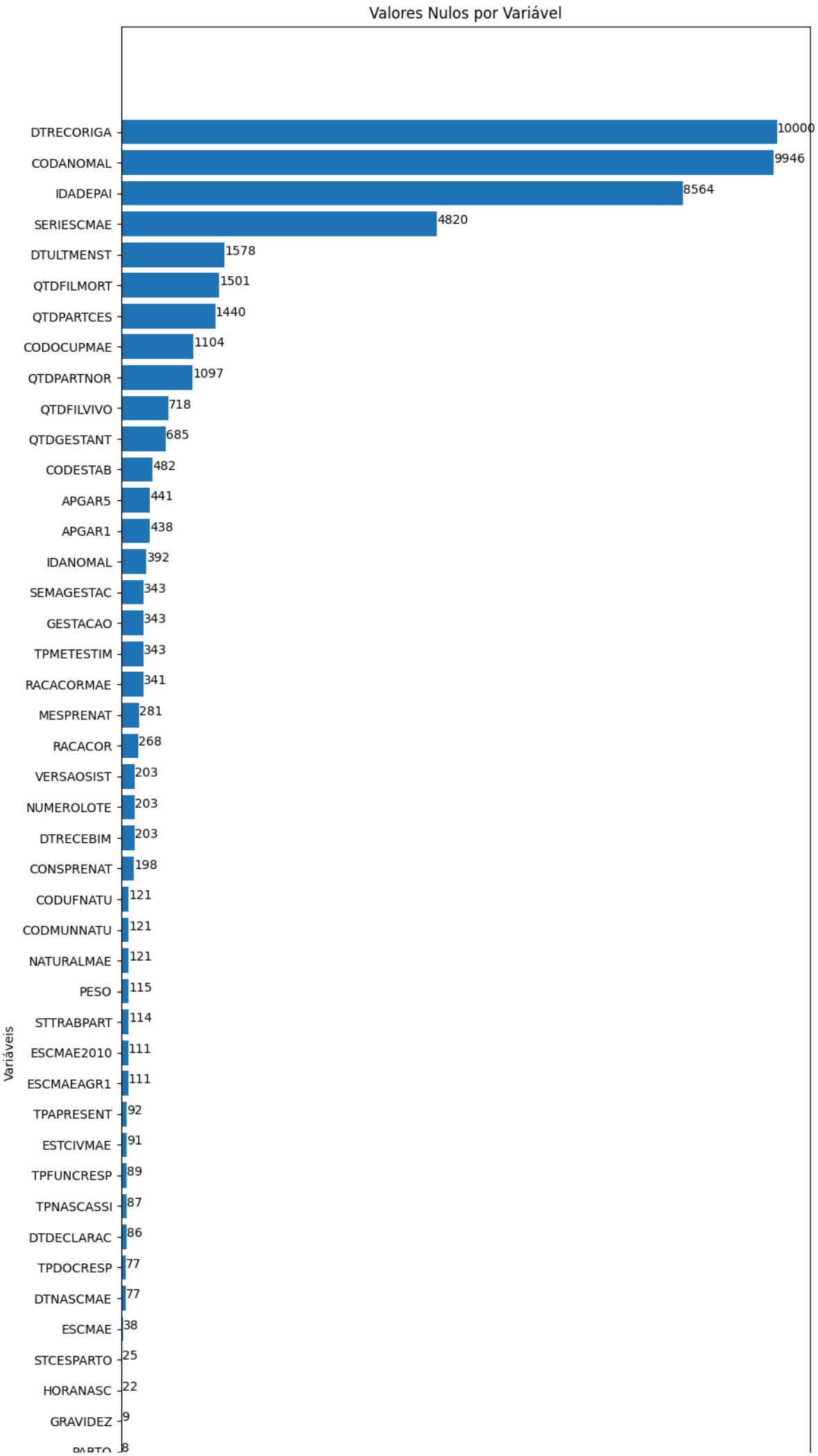

RACACORMAE
GESTACAO
TPMETESTIM
SEMAGESTAC
IDANOMAL
APGAR1
APGAR5
CODESTAB
QTDGESTANT
QTDFILVIVO
QTDPARTNOR
CODOCUPMAE
QTDPARTCES
QTDFILMORT
DTULTMENST
SERIESCMAE
IDADEPAI
CODANOMAL
DTRECORIGA
0
2000
4000
6000
8000
10000
Contagem

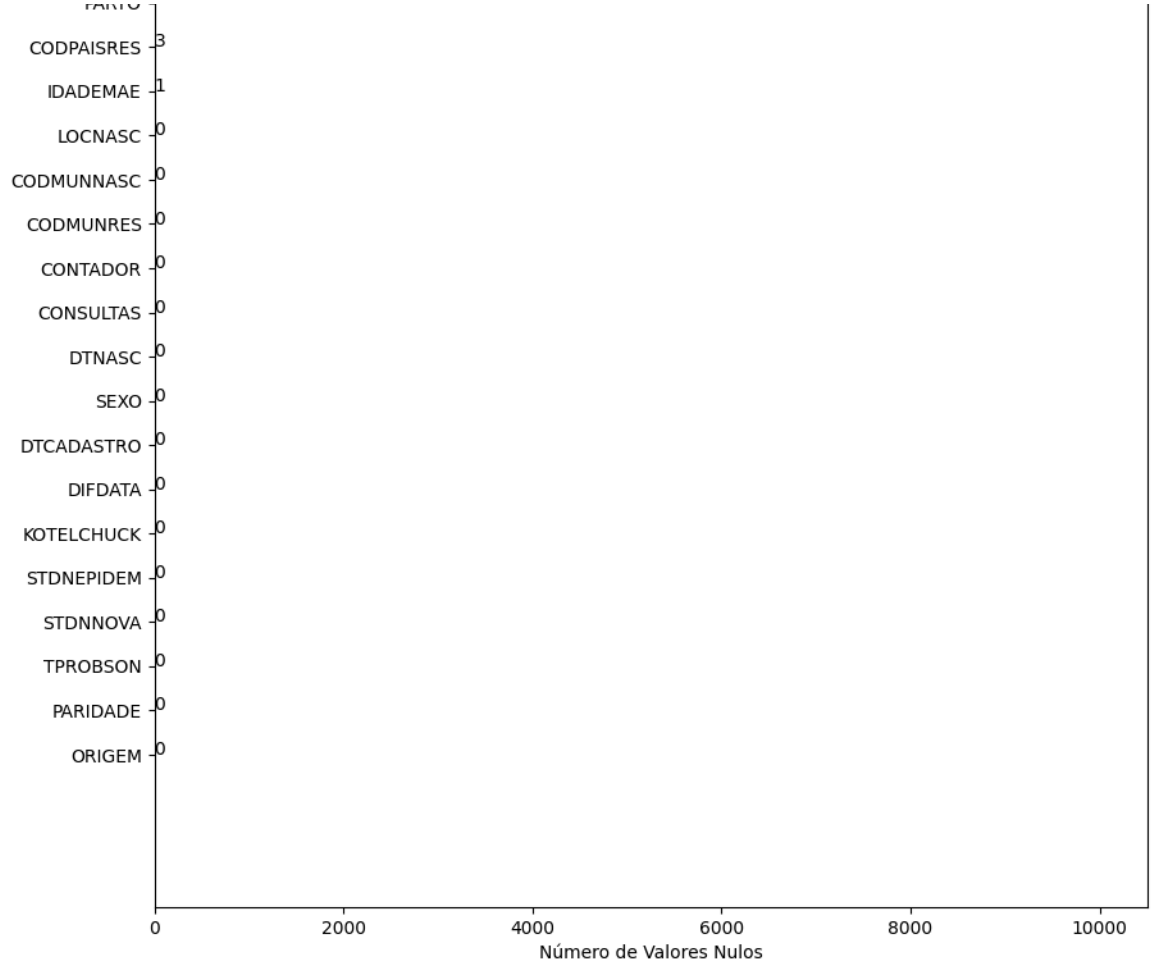
NULOS

Out[ ]:

	Valores Nulos	Porcentagem de Nulos
ORIGEM	0	0.00%
CODESTAB	482	4.82%
CODMUNNASC	0	0.00%
LOCNASC	0	0.00%
IDADEMAE	1	0.01%
ESTCIVMAE	91	0.91%
ESCMAE	38	0.38%
CODOCUPMAE	1104	11.04%
QTDFILVIVO	718	7.18%
QTDFILMORT	1501	15.01%
CODMUNRES	0	0.00%
GESTACAO	343	3.43%
GRAVIDEZ	9	0.09%
PARTO	8	0.08%
CONSULTAS	0	0.00%
DTNASC	0	0.00%
HORANASC	22	0.22%
SEXO	0	0.00%
APGAR1	438	4.38%
APGAR5	441	4.41%
RACACOR	268	2.68%
PESO	115	1.15%
IDANOMAL	392	3.92%
DTCADASTRO	0	0.00%
CODANOMAL	9946	99.46%
NUMEROLOTE	203	2.03%
VERSAOSIST	203	2.03%
DTRECEBIM	203	2.03%
DIFDATA	0	0.00%
DTRECORIGA	10000	100.00%
NATURALMAE	121	1.21%
CODMUNNATU	121	1.21%
CODUFNATU	121	1.21%
ESCMAE2010	111	1.11%
SERIESCMAE	4820	48.20%
DTNASCMAE	77	0.77%

	Valores Nulos	Porcentagem de Nulos
RACACORMAE	341	3.41%
QTDGESTANT	685	6.85%
QTDPARTNOR	1097	10.97%
QTDPARTCES	1440	14.40%
IDADEPAI	8564	85.64%
DTULTMENST	1578	15.78%
SEMAGESTAC	343	3.43%
TPMETESTIM	343	3.43%
CONSPRENAT	198	1.98%
MESPRENAT	281	2.81%
TPAPRESENT	92	0.92%
STTRABPART	114	1.14%
STCESPARTO	25	0.25%
TPNASCASSI	87	0.87%
TPFUNCRESP	89	0.89%
TPDOCRESP	77	0.77%
DTDECLARAC	86	0.86%
ESCMAEAGR1	111	1.11%
STDNEPIDEM	0	0.00%
STDNNOVA	0	0.00%
CODPAISRES	3	0.03%
TPROBSON	0	0.00%
PARIDADE	0	0.00%
KOTELCHUCK	0	0.00%
CONTADOR	0	0.00%


Valores Nulos por Variável
Variáveis
DTRECORIGA 10000
CODANOMAL 9946
IDADEPAI 8564
SERIESCMAE 4820
DTULTMENST 1578
QTDFILMORT 1501
QTDPARTCES 1440
CODOCUPMAE 1104
QTDPARTNOR 1097
QTDFILVIVO 718
QTDGESTANT 685
CODESTAB 482
APGAR5 441
APGAR1 438
IDANOMAL 392
SEMAGESTAC 343
GESTACAO 343
TPMETESTIM 343
RACACORMAE 341
MESPRENAT 281
RACACOR 268
VERSAOSIST 203
NUMEROLOTE 203
DTRECEBIM 203
CONSPRENAT 198
CODUFNATU 121
CODMUNNATU 121
NATURALMAE 121
PESO 115
STTRABPART 114
ESCMAE2010 111
ESCMAEAGR1 111
TPAPRESENT 92
ESTCIVMAE 91
TPFUNCRESP 89
TPNASCASSI 87
DTDECLARAC 86
TPDOCRESP 77
DTNASCMAE 77
ESCMAE 38
STCESPARTO 25
HORANASC 22
GRAVIDEZ 9
PARTO 8



VARIÁVEIS 100% NULAS:

Colunas sem nenhum preenchimento serão desconsideradas para fins de descrição a partir deste ponto:

```
Variáveis sem preenchimento:
```

Out[ ]:

	Counts	Missings
DTRECORIGA	0	10000

INFERINDO O TIPO DE DADO

Etapa onde foi desenvolvida condições para classificação das variáveis por tipo e em seguida podemos observar a redução do uso de mémoria computacional.

Em se tratando de Big Data onde temos um número grande de variáveis fica inviavél a análise de cada variável separadamente portanto a etapa de classificação do tipo de variável foi crucial para a redução do tempo e custo computacional além da melhoria nas descrição do banco de dados.

Nesse exemplo passamos de 4,7 MB para 1,2 MB do uso de mémoria utilizada após inferência dos tipos de dados.

MÉMORIA UTILIZADA POR CADA VARIÁVEL APÓS INFERENCIA DO TIPO

Out[ ]:

```
Index           128
ORIGEM        10116
CODESTAB      11304
CODMUNNASC    10756
LOCNASC       10220
IDADEMAE      11392
ESTCIVMAE     10220
ESCMAE        10220
CODOCUPMAE    40000
QTDFILVIVO    10676
QTDFILMORT    10356
CODMUNRES     10732
GESTACAO      10220
GRAVIDEZ      10204
PARTO         10132
CONSULTAS     10212
DTNASC        80000
HORANASC      40000
SEXO          10124
APGAR1        10388
APGAR5        10388
RACACOR       10212
PESO          40000
IDANOMAL      10132
DTCADASTRO    80000
CODANOMAL     11392
NUMEROLOTE    80000
VERSAOSIST    10204
DTRECEBIM     80000
DIFDATA       20000
NATURALMAE    10756
CODMUNNATU    40000
CODUFNATU     10756
ESCMAE2010    10356
SERIESCMAE    10364
DTNASCMAE     80000
RACACORMAE    10212
QTDGESTANT    10692
QTDPARTNOR    10684
QTDPARTCES    10356
IDADEPAI      40000
DTULTMENST    80000
SEMAGESTAC    11280
TPMETESTIM    10204
CONSPRENAT    10756
MESPRENAT     10380
TPAPRESENT    10204
STTRABPART    10132
STCESPARTO    10204
TPNASCASSI    10212
TPFUNCRESP    10212
TPDOCRESP     10220
DTDECLARAC    80000
ESCMAEAGR1    10660
STDNEPIDEM    10116
STDNNOVA      10116
CODPAISRES    10116
TPROBSON      10388
PARIDADE      10124
KOTELCHUCK    10220
CONTADOR      40000
dtype: int64
```

TIPO DE DADOS

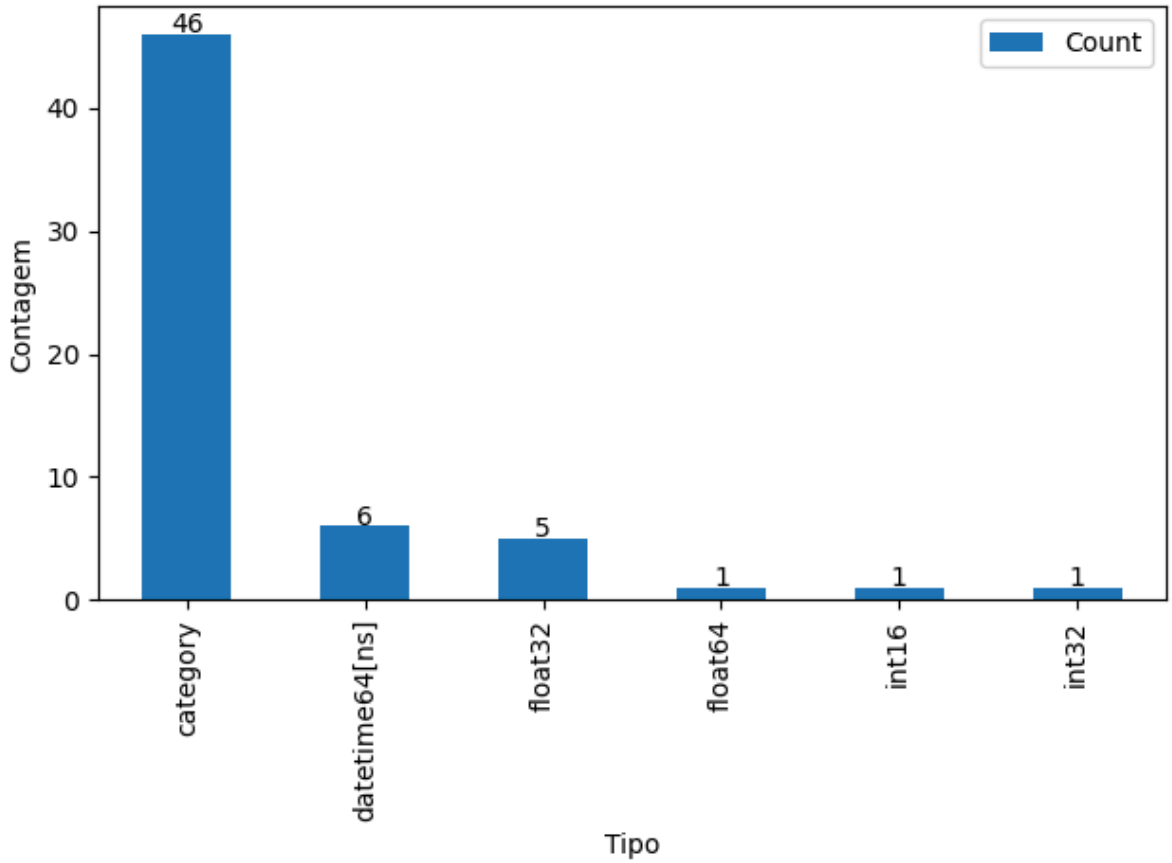
Out[ ]:

	Tipo
ORIGEM	category
CODESTAB	category
CODMUNNASC	category
LOCNASC	category
IDADEMAE	category
ESTCIVMAE	category
ESCMAE	category
CODOCUPMAE	float32
QTDFILVIVO	category
QTDFILMORT	category
CODMUNRES	category
GESTACAO	category
GRAVIDEZ	category
PARTO	category
CONSULTAS	category
DTNASC	datetime64[ns]
HORANASC	float32
SEXO	category
APGAR1	category
APGAR5	category
RACACOR	category
PESO	float32
IDANOMAL	category
DTCADASTRO	datetime64[ns]
CODANOMAL	category
NUMEROLOTE	float64
VERSAOSIST	category
DTRECEBIM	datetime64[ns]
DIFDATA	int16
NATURALMAE	category
CODMUNNATU	float32
CODUFNATU	category
ESCMAE2010	category
SERIESCMAE	category
DTNASCMAE	datetime64[ns]
RACACORMAE	category

	Tipo
QTDGESTANT	category
QTDPARTNOR	category
QTDPARTCES	category
IDADEPAI	float32
DTULTMENST	datetime64[ns]
SEMAGESTAC	category
TPMETESTIM	category
CONSPRENAT	category
MESPRENAT	category
TPAPRESENT	category
STTRABPART	category
STCESPARTO	category
TPNASCASSI	category
TPFUNCRESP	category
TPDOCRESP	category
DTDECLARAC	datetime64[ns]
ESCMAEAGR1	category
STDNEPIDEM	category
STDNNOVA	category
CODPAISRES	category
TPROBSON	category
PARIDADE	category
KOTELCHUCK	category
CONTADOR	int32

Out[ ]:

	Tipo	Count
0	category	46
1	datetime64[ns]	6
2	float32	5
3	float64	1
4	int16	1
5	int32	1



MEDIDAS DESCRITIVAS

VARIÁVEIS NÚMERICAS

Out[ ]:

	Valor Mínimo	Valor Máximo	Amplitude	Média	Desvio Padrão	Coeficiente de Variação	
CODOCUPMAE	21205.0	999994.0	978789.0	8.859386e+05	225231.921875	0.254230	5.07
HORANASC	0.0	2359.0	2359.0	1.308525e+03	648.731506	0.495773	4.20
PESO	102.0	5608.0	5506.0	3.223345e+03	567.123779	0.175943	3.21
NUMEROLOTE	20200001.0	20220005.0	20004.0	2.020293e+07	6709.686844	0.000332	4.50
DIFDATA	0.0	793.0	793.0	1.072409e+02	201.528039	1.879209	4.06
CODMUNNATU	110001.0	530010.0	420009.0	1.238219e+05	31143.494141	0.251518	9.69
IDADEPAI	9.0	73.0	64.0	3.041086e+01	8.513797	0.279959	7.24
CONTADOR	7565.0	1428485.0	1420920.0	3.643290e+05	607510.928253	1.667479	3.69

VARIÁVEIS CATEGORICAS

```
Coluna: ORIGEM
Valores únicos: [1]
Categories (1, int64): [1]
Valor da moda: 1
```

	ORIGEM	Frequência
0	1	10000

```
Coluna: CODESTAB
Valores únicos: [6205224.0, NaN, 3970442.0, 5701929.0, 2001020.0, ..., 9194258.0,
2519356.0, 2516284.0, 2001071.0, 3590992.0]
Length: 30
Categories (29, float64): [2000024.0, 2000083.0, 2000121.0, 2000296.0, ..., 585820
8.0, 6205224.0,
                           6497314.0, 9194258.0]
Valor da moda: 2000296.0
```

	CODESTAB	Frequência
0	2000296.0	2602
1	2000733.0	2372
2	2002078.0	1623
3	2001500.0	882
4	2000636.0	616
5	2000121.0	549
6	NaN	482
7	2000865.0	227
8	2001594.0	109
9	2000970.0	87
10	2000083.0	84
11	5661714.0	70
12	2001020.0	68
13	2000393.0	44
14	5353947.0	38
15	2000997.0	33
16	2000024.0	26
17	5858208.0	25
18	2000725.0	23
19	6497314.0	17
20	5701929.0	11
21	2000822.0	3
22	6205224.0	2
23	2519356.0	1
24	3590992.0	1
25	3970442.0	1
26	2001071.0	1
27	2000954.0	1
28	9194258.0	1
29	2516284.0	1

```
Coluna: CODMUNNASC
Valores únicos: [110020, 120001, 120005, 120010, 120025, ..., 120050, 120070, 3548
80, 520870, 110015]
Length: 25
Categories (25, int64): [110015, 110020, 120001, 120005, ..., 120070, 354880, 4207
30, 520870]
Valor da moda: 120040
```

	CODMUNNASC	Frequência
0	120040	4020
1	120020	2634
2	120010	888
3	120030	693
4	120060	605
5	120050	235
6	120035	185
7	120034	140
8	120032	117
9	120033	96
10	120005	91
11	120039	89
12	120070	47
13	120043	40
14	120038	36
15	120042	31
16	120045	24
17	120001	14
18	110020	5
19	120025	4
20	120017	2
21	420730	1
22	110015	1
23	354880	1
24	520870	1

```
Coluna: LOCNASC
Valores únicos: [1, 4, 2, 3, 9, 5]
Categories (6, int64): [1, 2, 3, 4, 5, 9]
Valor da moda: 1
```

	LOCNASC	Frequência
0	1	9286
1	3	247
2	2	232
3	5	166
4	4	44
5	9	25

```
Coluna: IDADEMAE
Valores únicos: [34.0, 18.0, 26.0, 29.0, 20.0, ..., NaN, 50.0, 12.0, 47.0, 56.0]
Length: 41
Categories (40, float64): [11.0, 12.0, 13.0, 14.0, ..., 47.0, 48.0, 50.0, 56.0]
Valor da moda: 20.0
```

	IDADEMAE	Frequência
0	20.0	595
1	19.0	571
2	22.0	562
3	18.0	556
4	21.0	554
5	24.0	503
6	17.0	498
7	23.0	497
8	26.0	439
9	25.0	428
10	28.0	410
11	27.0	403
12	30.0	396
13	16.0	381
14	31.0	358
15	29.0	354
16	32.0	299
17	33.0	282
18	34.0	268
19	15.0	263
20	35.0	252
21	36.0	218
22	37.0	198
23	39.0	149
24	38.0	148
25	40.0	108
26	14.0	98
27	41.0	68
28	42.0	48
29	13.0	28
30	43.0	20
31	44.0	16
32	45.0	11
33	12.0	6
34	46.0	5
35	48.0	3

	IDADEMAE	Frequência
36	11.0	3
37	47.0	1
38	50.0	1
39	56.0	1
40	NaN	1

```
Coluna: ESTCIVMAE
Valores únicos: [2.0, 1.0, 5.0, 9.0, NaN, 4.0, 3.0]
Categories (6, float64): [1.0, 2.0, 3.0, 4.0, 5.0, 9.0]
Valor da moda: 5.0
```

	ESTCIVMAE	Frequência
0	5.0	5243
1	1.0	2449
2	2.0	2039
3	9.0	94
4	NaN	91
5	4.0	64
6	3.0	20

```
Coluna: ESCMAE
Valores únicos: [5.0, 9.0, 4.0, 2.0, 3.0, 1.0, NaN]
Categories (6, float64): [1.0, 2.0, 3.0, 4.0, 5.0, 9.0]
Valor da moda: 4.0
```

	ESCMAE	Frequência
0	4.0	5289
1	3.0	2363
2	5.0	1445
3	2.0	495
4	1.0	334
5	NaN	38
6	9.0	36

```
Coluna: QTDFILVIVO
Valores únicos: [1.0, NaN, 2.0, 0.0, 4.0, ..., 7.0, 11.0, 16.0, 14.0, 12.0]
Length: 16
Categories (15, float64): [0.0, 1.0, 2.0, 3.0, ..., 11.0, 12.0, 14.0, 16.0]
Valor da moda: 0.0
```

	QTDFILVIVO	Frequência
0	0.0	3010
1	1.0	2751
2	2.0	1528
3	3.0	802
4	NaN	718
5	4.0	460
6	5.0	273
7	6.0	191
8	7.0	109
9	8.0	84
10	9.0	32
11	10.0	21
12	11.0	16
13	12.0	2
14	14.0	2
15	16.0	1

```
Coluna: QTDFILMORT
Valores únicos: [1.0, 0.0, NaN, 2.0, 3.0, 4.0, 5.0, 6.0]
Categories (7, float64): [0.0, 1.0, 2.0, 3.0, 4.0, 5.0, 6.0]
Valor da moda: 0.0
```

	QTDFILMORT	Frequência
0	0.0	6665
1	NaN	1501
2	1.0	1431
3	2.0	312
4	3.0	70
5	4.0	13
6	5.0	5
7	6.0	3

```
Coluna: CODMUNRES
Valores únicos: [120040, 120001, 120005, 120025, 120010, ..., 120038, 120045, 1200
50, 120080, 120013]
Length: 22
Categories (22, int64): [120001, 120005, 120010, 120013, ..., 120050, 120060, 1200
70, 120080]
Valor da moda: 120040
```

	CODMUNRES	Frequência
0	120040	2915
1	120020	1680
2	120030	741
3	120060	605
4	120010	501
5	120033	419
6	120035	333
7	120042	318
8	120050	315
9	120025	269
10	120039	224
11	120034	201
12	120005	201
13	120070	198
14	120045	192
15	120080	182
16	120032	163
17	120038	160
18	120013	116
19	120001	112
20	120017	89
21	120043	66

```
Coluna: GESTACAO
Valores únicos: [5.0, NaN, 4.0, 6.0, 3.0, 2.0, 1.0]
Categories (6, float64): [1.0, 2.0, 3.0, 4.0, 5.0, 6.0]
Valor da moda: 5.0
```

	GESTACAO	Frequência
0	5.0	7606
1	4.0	1337
2	6.0	518
3	NaN	343
4	3.0	132
5	2.0	60
6	1.0	4

```
Coluna: GRAVIDEZ
Valores únicos: [1.0, 2.0, 3.0, 9.0, NaN]
Categories (4, float64): [1.0, 2.0, 3.0, 9.0]
Valor da moda: 1.0
```

	GRAVIDEZ	Frequência
0	1.0	9790
1	2.0	196
2	NaN	9
3	9.0	4
4	3.0	1

```
Coluna: PARTO
Valores únicos: [2.0, 1.0, 9.0, NaN]
Categories (3, float64): [1.0, 2.0, 9.0]
Valor da moda: 1.0
```

	PARTO	Frequência
0	1.0	5492
1	2.0	4496
2	NaN	8
3	9.0	4

```
Coluna: CONSULTAS
Valores únicos: [4, 1, 3, 2, 9]
Categories (5, int64): [1, 2, 3, 4, 9]
Valor da moda: 4
```

	CONSULTAS	Frequência
0	4	4743
1	3	3482
2	2	1537
3	1	225
4	9	13

```
Coluna: SEXO
Valores únicos: [2, 1]
Categories (2, int64): [1, 2]
Valor da moda: 1
```

	SEXO	Frequência
0	1	5140
1	2	4860

```
Coluna: APGAR1
Valores únicos: [9.0, NaN, 4.0, 8.0, 7.0, ..., 5.0, 3.0, 1.0, 2.0, 0.0]
Length: 12
Categories (11, float64): [0.0, 1.0, 2.0, 3.0, ..., 7.0, 8.0, 9.0, 10.0]
Valor da moda: 8.0
```

	APGAR1	Frequência
0	8.0	4823
1	9.0	3616
2	7.0	596
3	NaN	438
4	6.0	178
5	10.0	114
6	5.0	91
7	3.0	55
8	4.0	45
9	2.0	31
10	1.0	11
11	0.0	2

```
Coluna: APGAR5
Valores únicos: [10.0, NaN, 9.0, 8.0, 5.0, ..., 7.0, 3.0, 4.0, 2.0, 0.0]
Length: 12
Categories (11, float64): [0.0, 1.0, 2.0, 3.0, ..., 7.0, 8.0, 9.0, 10.0]
Valor da moda: 9.0
```

	APGAR5	Frequência
0	9.0	5022
1	10.0	3873
2	8.0	450
3	NaN	441
4	7.0	103
5	6.0	45
6	5.0	32
7	3.0	11
8	1.0	8
9	4.0	8
10	2.0	4
11	0.0	3

```
Coluna: RACACOR
Valores únicos: [1.0, 4.0, 5.0, 2.0, NaN, 3.0]
Categories (5, float64): [1.0, 2.0, 3.0, 4.0, 5.0]
Valor da moda: 4.0
```

	RACACOR	Frequência
0	4.0	8546
1	5.0	497
2	1.0	460
3	NaN	268
4	2.0	161
5	3.0	68

```
Coluna: IDANOMAL
Valores únicos: [2.0, NaN, 9.0, 1.0]
Categories (3, float64): [1.0, 2.0, 9.0]
Valor da moda: 2.0
```

	IDANOMAL	Frequência
0	2.0	9396
1	NaN	392
2	9.0	158
3	1.0	54

```
Coluna: CODANOMAL
Valores únicos: [NaN, 'Q699', 'Q675', 'Q664', 'Q525', ..., 'Q668Q670Q681', 'Q666',
'Q375', 'Q665', 'Q172']
Length: 41
Categories (40, object): ['Q000', 'Q039', 'Q160', 'Q170', ..., 'Q793', 'Q878', 'Q9
00', 'Q909']
Valor da moda: Q170
```

	CODANOMAL	Frequência
0	NaN	9946
1	Q170	5
2	Q699	5
3	Q690	3
4	Q909	3
5	Q900	2
6	Q660	2
7	Q668	1
8	Q668Q670Q681	1
9	Q670	1
10	Q675	1
11	Q681	1
12	Q700	1
13	Q690Q692	1
14	Q665	1
15	Q713	1
16	Q714	1
17	Q743	1
18	Q793	1
19	Q878	1
20	Q666	1
21	Q000	1
22	Q664	1
23	Q375	1
24	Q160	1
25	Q170Q172	1
26	Q172	1
27	Q174Q749Q898	1
28	Q211Q250Q909	1
29	Q353Q870	1
30	Q359Q379	1
31	Q422	1
32	Q039	1
33	Q423	1
34	Q525	1
35	Q541	1

	CODANOMAL	Frequência
36	Q543Q793	1
37	Q564	1
38	Q620Q621	1
39	Q620Q642	1
40	Q660Q870	1

```
Coluna: VERSAOSIST
Valores únicos: ['3.2.01', NaN, '3.2.50', '3.2.00', '3.2.02']
Categories (4, object): ['3.2.00', '3.2.01', '3.2.02', '3.2.50']
Valor da moda: 3.2.01
```

	VERSAOSIST	Frequência
0	3.2.01	8752
1	3.2.50	924
2	NaN	203
3	3.2.02	84
4	3.2.00	37

```
Coluna: NATURALMAE
Valores únicos: [812.0, 811.0, NaN, 851.0, 852.0, ..., 814.0, 841.0, 843.0, 822.0,
826.0]
Length: 26
Categories (25, float64): [811.0, 812.0, 813.0, 814.0, ..., 850.0, 851.0, 852.0, 8
53.0]
Valor da moda: 812.0
```

	NATURALMAE	Frequência
0	812.0	9148
1	813.0	423
2	811.0	144
3	NaN	121
4	851.0	21
5	831.0	16
6	815.0	15
7	835.0	14
8	841.0	13
9	823.0	12
10	829.0	11
11	833.0	10
12	821.0	9
13	814.0	6
14	825.0	6
15	850.0	6
16	852.0	6
17	842.0	4
18	824.0	3
19	832.0	3
20	826.0	2
21	827.0	2
22	853.0	2
23	817.0	1
24	822.0	1
25	843.0	1

```
Coluna: CODUFNATU
Valores únicos: [12.0, 11.0, NaN, 51.0, 52.0, ..., 14.0, 41.0, 43.0, 22.0, 26.0]
Length: 26
Categories (25, float64): [11.0, 12.0, 13.0, 14.0, ..., 50.0, 51.0, 52.0, 53.0]
Valor da moda: 12.0
```

	CODUFNATU	Frequência
0	12.0	9148
1	13.0	423
2	11.0	144
3	NaN	121
4	51.0	21
5	31.0	16
6	15.0	15
7	35.0	14
8	41.0	13
9	23.0	12
10	29.0	11
11	33.0	10
12	21.0	9
13	14.0	6
14	25.0	6
15	50.0	6
16	52.0	6
17	42.0	4
18	24.0	3
19	32.0	3
20	26.0	2
21	27.0	2
22	53.0	2
23	17.0	1
24	22.0	1
25	43.0	1

```
Coluna: ESCMAE2010
Valores únicos: [5.0, 9.0, 4.0, 3.0, 2.0, 1.0, NaN, 0.0]
Categories (7, float64): [0.0, 1.0, 2.0, 3.0, 4.0, 5.0, 9.0]
Valor da moda: 3.0
```

	ESCMAE2010	Frequência
0	3.0	4043
1	2.0	2878
2	1.0	1180
3	5.0	1036
4	4.0	396
5	0.0	321
6	NaN	111
7	9.0	35

```
Coluna: SERIESCMAE
Valores únicos: [NaN, 2.0, 8.0, 3.0, 4.0, 5.0, 6.0, 7.0, 1.0]
Categories (8, float64): [1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0]
Valor da moda: 3.0
```

	SERIESCMAE	Frequência
0	NaN	4820
1	3.0	1954
2	8.0	1227
3	4.0	693
4	2.0	350
5	1.0	335
6	5.0	288
7	6.0	178
8	7.0	155

```
Coluna: RACACORMAE
Valores únicos: [1.0, 4.0, NaN, 5.0, 2.0, 3.0]
Categories (5, float64): [1.0, 2.0, 3.0, 4.0, 5.0]
Valor da moda: 4.0
```

	RACACORMAE	Frequência
0	4.0	8499
1	5.0	478
2	1.0	454
3	NaN	341
4	2.0	160
5	3.0	68

```
Coluna: QTDGESTANT
Valores únicos: [2.0, 1.0, NaN, 6.0, 3.0, ..., 12.0, 13.0, 17.0, 14.0, 16.0]
Length: 18
Categories (17, float64): [0.0, 1.0, 2.0, 3.0, ..., 13.0, 14.0, 16.0, 17.0]
Valor da moda: 0.0
```

	QTDGESTANT	Frequência
0	0.0	2742
1	1.0	2624
2	2.0	1597
3	3.0	941
4	NaN	685
5	4.0	520
6	5.0	323
7	6.0	229
8	7.0	136
9	8.0	85
10	9.0	47
11	10.0	29
12	11.0	23
13	12.0	12
14	14.0	3
15	13.0	2
16	16.0	1
17	17.0	1

```
Coluna: QTDPARTNOR
Valores únicos: [1.0, NaN, 2.0, 0.0, 4.0, ..., 11.0, 12.0, 16.0, 14.0, 20.0]
Length: 17
Categories (16, float64): [0.0, 1.0, 2.0, 3.0, ..., 12.0, 14.0, 16.0, 20.0]
Valor da moda: 0.0
```

	QTDPARTNOR	Frequência
0	0.0	4156
1	1.0	1984
2	NaN	1097
3	2.0	1053
4	3.0	633
5	4.0	403
6	5.0	241
7	6.0	178
8	7.0	101
9	8.0	75
10	9.0	38
11	11.0	17
12	10.0	16
13	12.0	4
14	14.0	2
15	16.0	1
16	20.0	1

```
Coluna: QTDPARTCES
Valores únicos: [1.0, 0.0, NaN, 3.0, 2.0, 4.0, 22.0, 7.0]
Categories (7, float64): [0.0, 1.0, 2.0, 3.0, 4.0, 7.0, 22.0]
Valor da moda: 0.0
```

	QTDPARTCES	Frequência
0	0.0	6473
1	1.0	1483
2	NaN	1440
3	2.0	464
4	3.0	120
5	4.0	16
6	7.0	2
7	22.0	2

```
Coluna: SEMAGESTAC
Valores únicos: [38.0, NaN, 39.0, 33.0, 40.0, ..., 28.0, 26.0, 21.0, 25.0, 20.0]
Length: 27
Categories (26, float64): [20.0, 21.0, 22.0, 23.0, ..., 42.0, 43.0, 44.0, 45.0]
Valor da moda: 39.0
```

	SEMAGESTAC	Frequência
0	39.0	2405
1	40.0	1941
2	38.0	1584
3	37.0	887
4	41.0	789
5	36.0	545
6	NaN	343
7	35.0	337
8	42.0	325
9	34.0	218
10	33.0	138
11	43.0	117
12	32.0	99
13	31.0	53
14	44.0	52
15	30.0	39
16	45.0	24
17	29.0	22
18	28.0	18
19	27.0	17
20	26.0	16
21	23.0	9
22	22.0	8
23	24.0	6
24	25.0	4
25	21.0	3
26	20.0	1

```
Coluna: TPMETESTIM
Valores únicos: [9.0, NaN, 2.0, 8.0, 1.0]
Categories (4, float64): [1.0, 2.0, 8.0, 9.0]
Valor da moda: 8.0
```

	TPMETESTIM	Frequência
0	8.0	8422
1	1.0	599
2	9.0	427
3	NaN	343
4	2.0	209

```
Coluna: CONSPRENAT
Valores únicos: [9.0, NaN, 10.0, 6.0, 7.0, ..., 99.0, 16.0, 39.0, 20.0, 40.0]
Length: 26
Categories (25, float64): [0.0, 1.0, 2.0, 3.0, ..., 38.0, 39.0, 40.0, 99.0]
Valor da moda: 6.0
```

	CONSPRENAT	Frequência
0	6.0	1414
1	7.0	1334
2	5.0	1163
3	8.0	1148
4	9.0	901
5	4.0	881
6	10.0	770
7	3.0	702
8	2.0	499
9	1.0	326
10	11.0	293
11	NaN	198
12	12.0	144
13	0.0	95
14	13.0	72
15	14.0	30
16	99.0	13
17	15.0	5
18	16.0	4
19	17.0	2
20	18.0	1
21	20.0	1
22	37.0	1
23	38.0	1
24	39.0	1
25	40.0	1

```
Coluna: MESPRENAT
Valores únicos: [2.0, NaN, 1.0, 3.0, 4.0, ..., 5.0, 9.0, 7.0, 8.0, 99.0]
Length: 11
Categories (10, float64): [1.0, 2.0, 3.0, 4.0, ..., 7.0, 8.0, 9.0, 99.0]
Valor da moda: 2.0
```

	MESPRENAT	Frequência
0	2.0	2962
1	3.0	2112
2	1.0	1669
3	4.0	1128
4	5.0	804
5	6.0	454
6	NaN	281
7	7.0	245
8	8.0	157
9	99.0	119
10	9.0	69

```
Coluna: TPAPRESENT
Valores únicos: [1.0, 2.0, NaN, 3.0, 9.0]
Categories (4, float64): [1.0, 2.0, 3.0, 9.0]
Valor da moda: 1.0
```

	TPAPRESENT	Frequência
0	1.0	9012
1	2.0	746
2	9.0	131
3	NaN	92
4	3.0	19

```
Coluna: STTRABPART
Valores únicos: [2.0, NaN, 1.0, 9.0]
Categories (3, float64): [1.0, 2.0, 9.0]
Valor da moda: 2.0
```

	STTRABPART	Frequência
0	2.0	8558
1	1.0	1048
2	9.0	280
3	NaN	114

```
Coluna: STCESPARTO
Valores únicos: [1.0, 3.0, 2.0, NaN, 9.0]
Categories (4, float64): [1.0, 2.0, 3.0, 9.0]
Valor da moda: 3.0
```

	STCESPARTO	Frequência
0	3.0	5496
1	2.0	3133
2	1.0	925
3	9.0	421
4	NaN	25

```
Coluna: TPNASCASSI
Valores únicos: [1.0, 4.0, 2.0, NaN, 3.0, 9.0]
Categories (5, float64): [1.0, 2.0, 3.0, 4.0, 9.0]
Valor da moda: 1.0
```

	TPNASCASSI	Frequência
0	1.0	7239
1	2.0	2202
2	3.0	255
3	4.0	201
4	NaN	87
5	9.0	16

```
Coluna: TPFUNCRESP
Valores únicos: [1.0, 2.0, NaN, 4.0, 5.0, 3.0]
Categories (5, float64): [1.0, 2.0, 3.0, 4.0, 5.0]
Valor da moda: 2.0
```

	TPFUNCRESP	Frequência
0	2.0	7443
1	5.0	2292
2	4.0	157
3	NaN	89
4	1.0	17
5	3.0	2

```
Coluna: TPDOCRESP
Valores únicos: [2.0, 5.0, 3.0, NaN, 4.0, 1.0, 0.0]
Categories (6, float64): [0.0, 1.0, 2.0, 3.0, 4.0, 5.0]
Valor da moda: 4.0
```

	TPDOCRESP	Frequência
0	4.0	5318
1	3.0	4308
2	5.0	241
3	NaN	77
4	0.0	49
5	1.0	5
6	2.0	2

```
Coluna: ESCMAEAGR1
Valores únicos: [8.0, 9.0, 7.0, 5.0, 4.0, ..., 10.0, 3.0, 11.0, 6.0, 12.0]
Length: 14
Categories (13, float64): [0.0, 1.0, 2.0, 3.0, ..., 9.0, 10.0, 11.0, 12.0]
Valor da moda: 6.0
```

	ESCMAEAGR1	Frequência
0	6.0	1861
1	12.0	1658
2	4.0	1227
3	8.0	1036
4	11.0	1030
5	2.0	693
6	3.0	621
7	5.0	524
8	7.0	396
9	0.0	321
10	1.0	254
11	10.0	233
12	NaN	111
13	9.0	35

```
Coluna: STDNEPIDEM
Valores únicos: [0]
Categories (1, int64): [0]
Valor da moda: 0
```

	STDNEPIDEM	Frequência
0	0	10000

```
Coluna: STDNNOVA
Valores únicos: [1]
Categories (1, int64): [1]
Valor da moda: 1
```

	STDNNOVA	Frequência
0	1	10000

```
Coluna: CODPAISRES
Valores únicos: [1.0, NaN]
Categories (1, float64): [1.0]
Valor da moda: 1.0
```

	CODPAISRES	Frequência
0	1.0	9997
1	NaN	3

```
Coluna: TPROBSON
Valores únicos: [5, 11, 2, 3, 7, ..., 10, 4, 6, 8, 9]
Length: 11
Categories (11, int64): [1, 2, 3, 4, ..., 8, 9, 10, 11]
Valor da moda: 3
```

	TPROBSON	Frequência
0	3	2978
1	1	2016
2	5	1448
3	10	1235
4	11	516
5	4	499
6	7	434
7	2	414
8	6	247
9	8	194
10	9	19

```
Coluna: PARIDADE
Valores únicos: [1, 0]
Categories (2, int64): [0, 1]
Valor da moda: 1
```

	PARIDADE	Frequência
0	1	6685
1	0	3315

```
Coluna: KOTELCHUCK
Valores únicos: [5, 9, 4, 2, 3, 1]
Categories (6, int64): [1, 2, 3, 4, 5, 9]
Valor da moda: 5
```

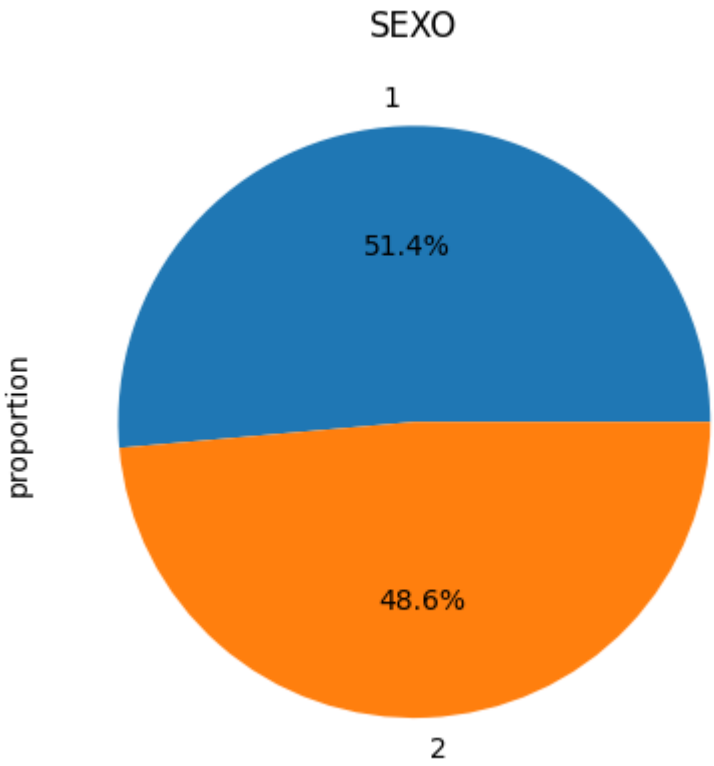
	KOTELCHUCK	Frequência
0	5	4120
1	2	3082
2	3	1328
3	4	1059
4	9	316
5	1	95

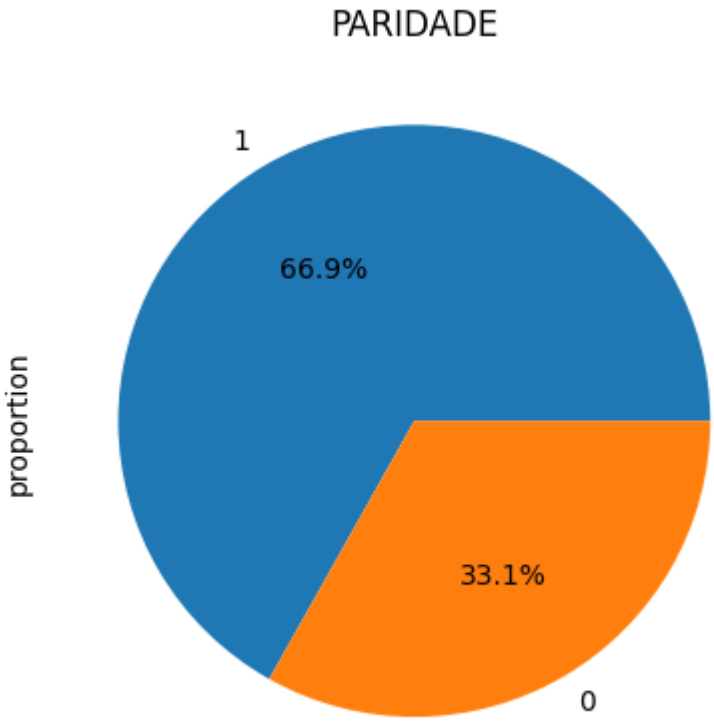
VARIÁVEIS DATA

	Contagem	Valores Únicos	moda	Primeira Data	Última Data
DTNASC	10000	366	1970-01-01 00:00:00.002032020	1970-01-01 00:00:00.001012020	1970-01-01 00:00:00.031122020
DTCADASTRO	10000	348	1970-01-01 00:00:00.017022022	1970-01-01 00:00:00.001022021	1970-01-01 00:00:00.031102020
DTRECEBIM	9797	137	1970-01-01 00:00:00.004032022	1970-01-01 00:00:00.001022022	1970-01-01 00:00:00.031122020
DTNASCMAE	9923	6015	1970-01-01 00:00:00.022071997	1970-01-01 00:00:00.001011978	1970-01-01 00:00:00.031122003
DTULTMENST	8422	421	1970-01-01 00:00:00.005082019	1970-01-01 00:00:00.001012020	1970-01-01 00:00:00.031122019
DTDECLARAC	9914	421	1970-01-01 00:00:00.027042020	1970-01-01 00:00:00.001012020	1970-01-01 00:00:00.031122020

GRÁFICO DE SETORES

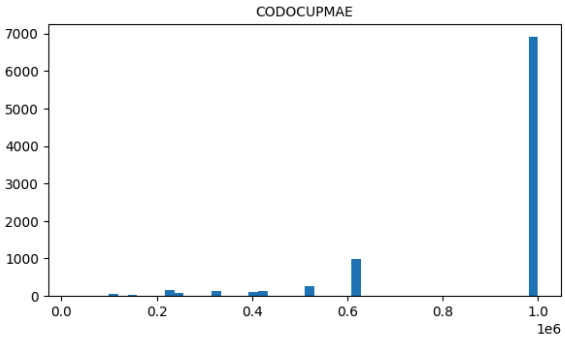
VARIÁVEIS DICOTOMICAS

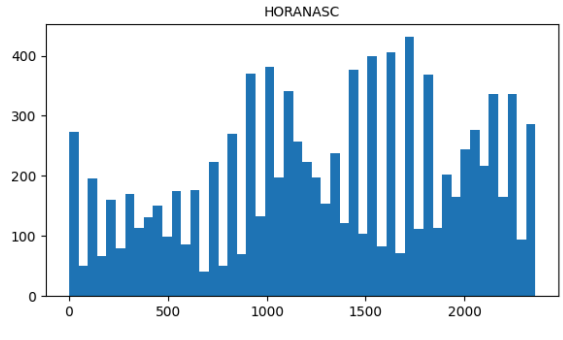


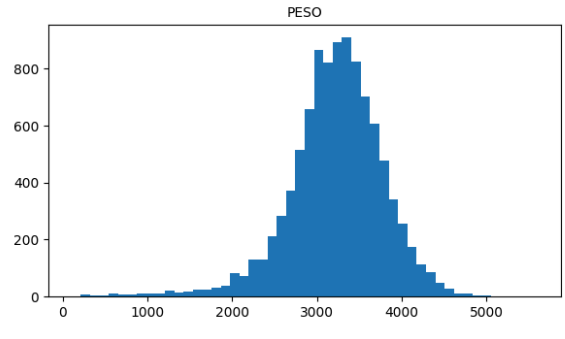


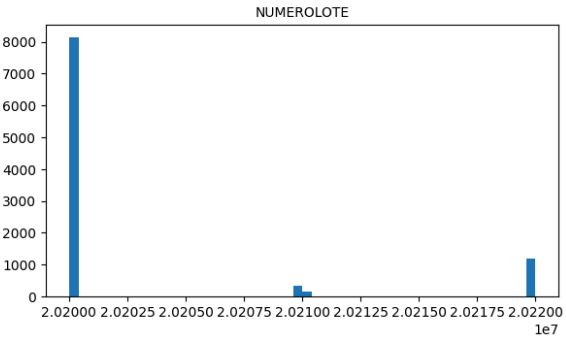
HISTOGRAMAS

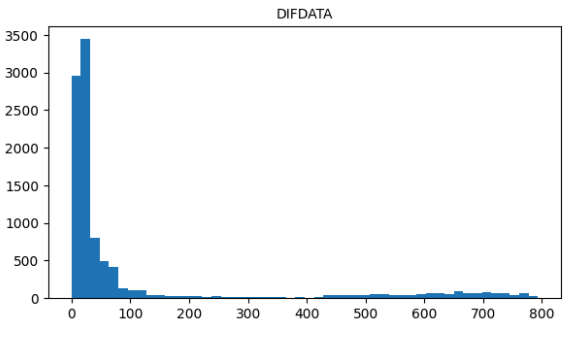
VARIÁVEIS NÚMERICAS

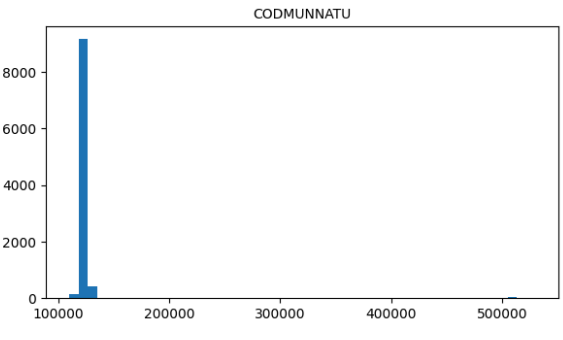


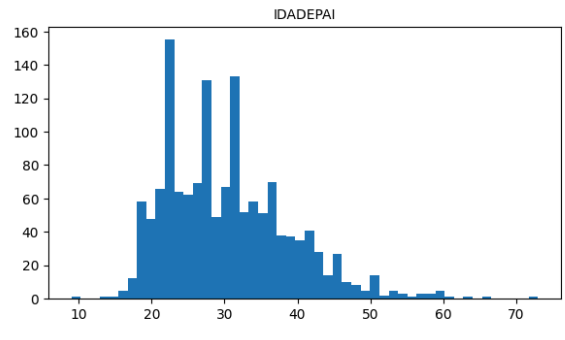












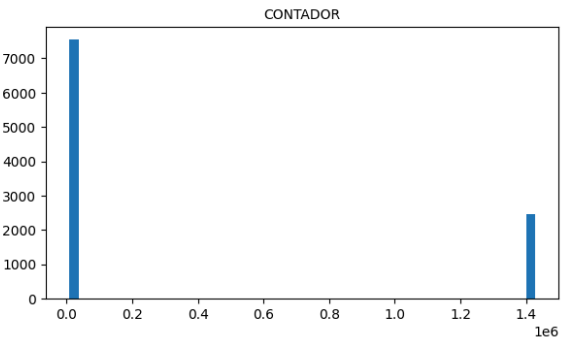
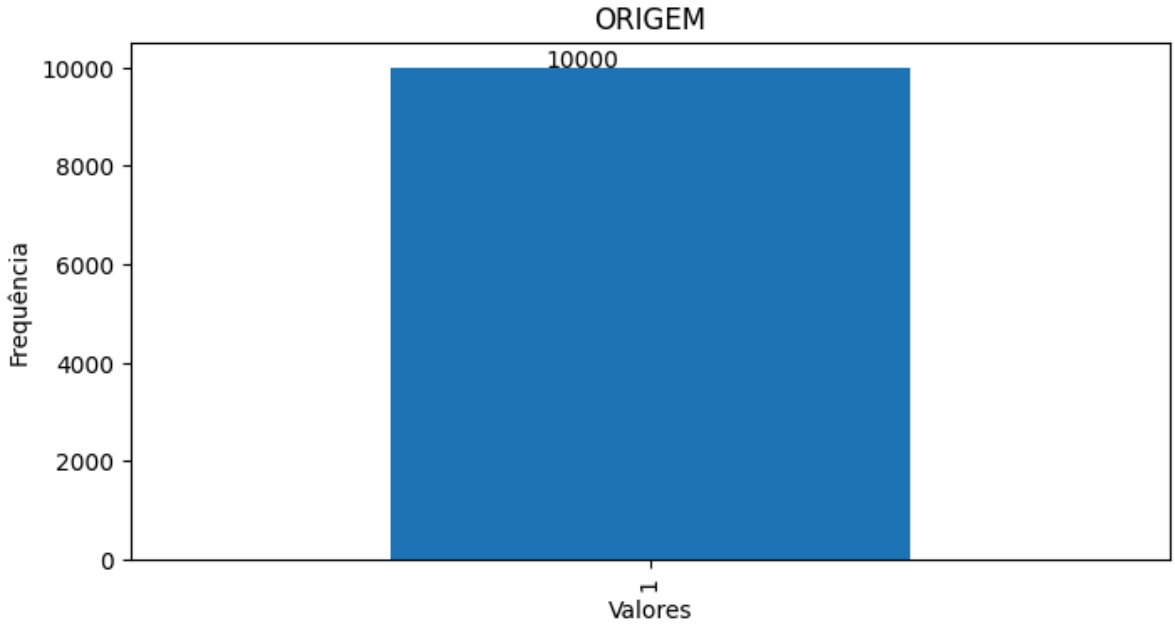


GRÁFICO DE BARRAS

VARIÁVEIS CATEGORICAS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Frequência
Valores
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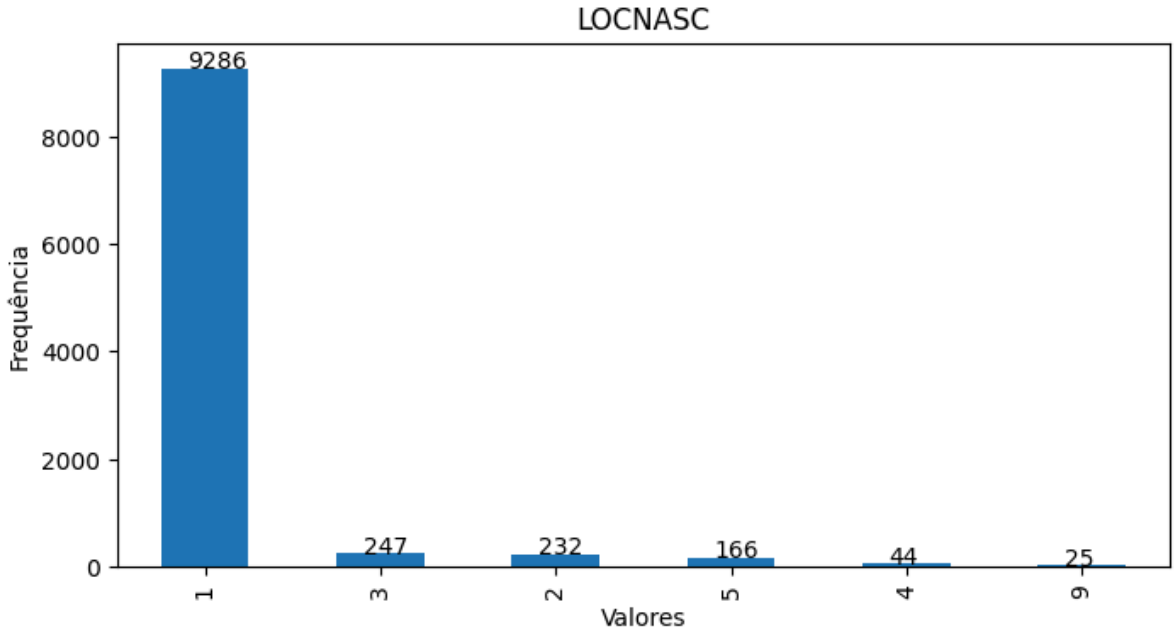
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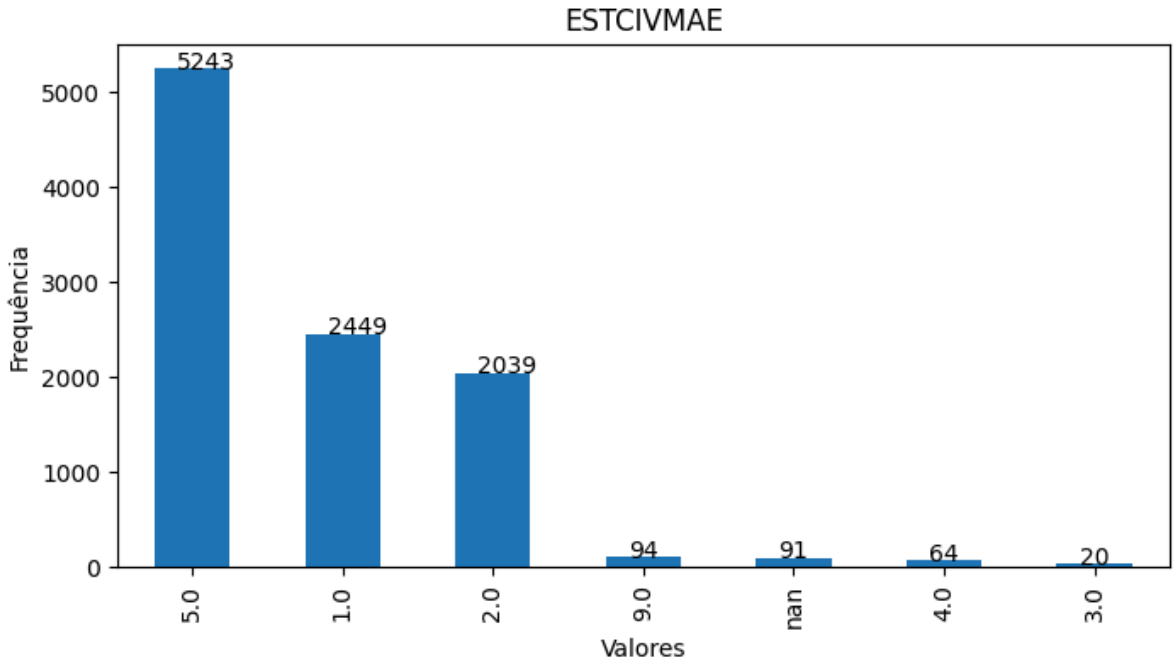
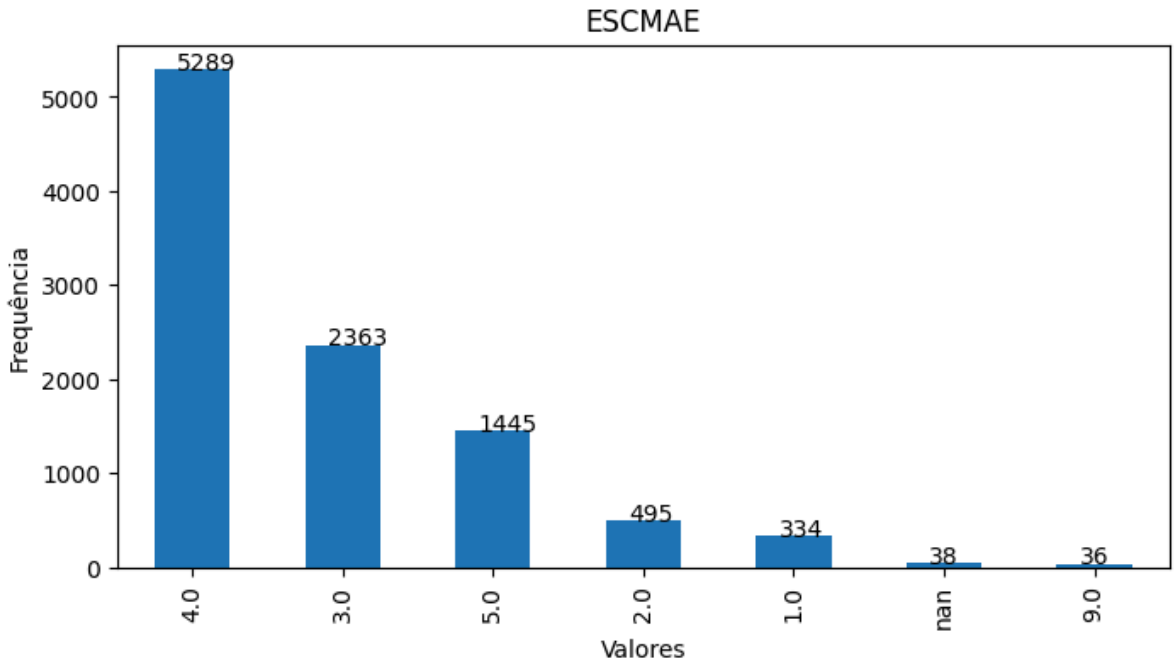
9286
247
232
166
44
25
Frequência
Valores
1
3
2
5
4
9


ESTCIVMAE
5243
2449
2039
94
91
64
20
Frequência
Valores
5.0
1.0
2.0
9.0
nan
4.0
3.0


ESCMAE
Frequência
Valores
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2363
1445
495
334
38
36
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5.0
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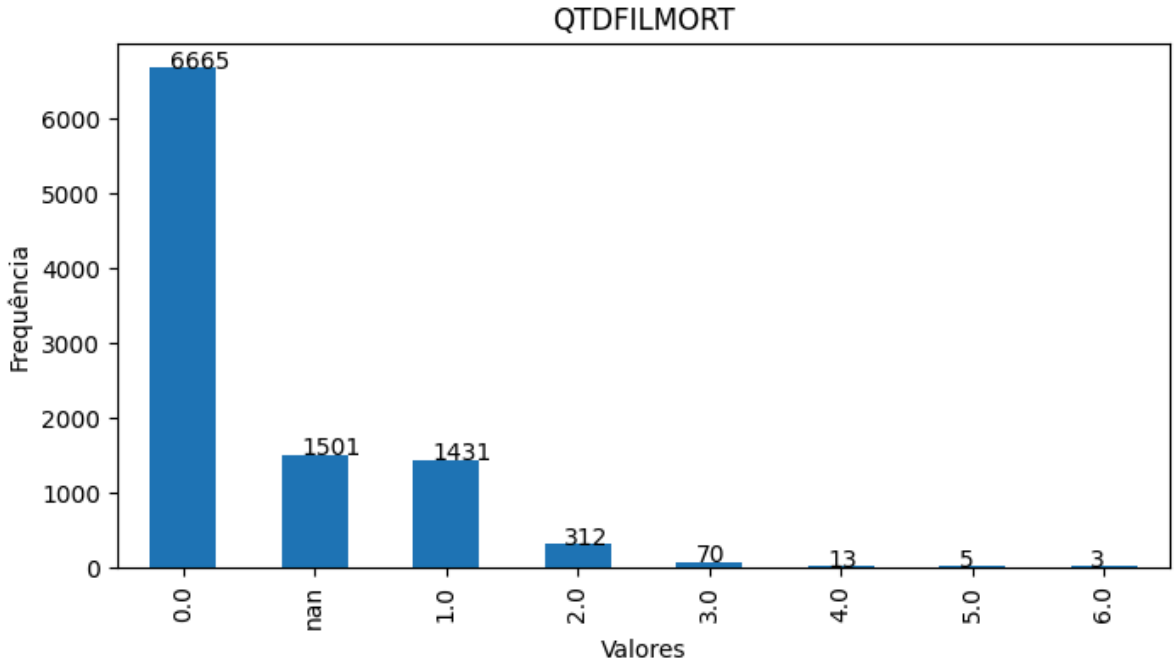
1.0
nan
9.0


QTDFILMORT
Frequência
Valores
6665
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1431
312
70
13
5
3
0.0
nan
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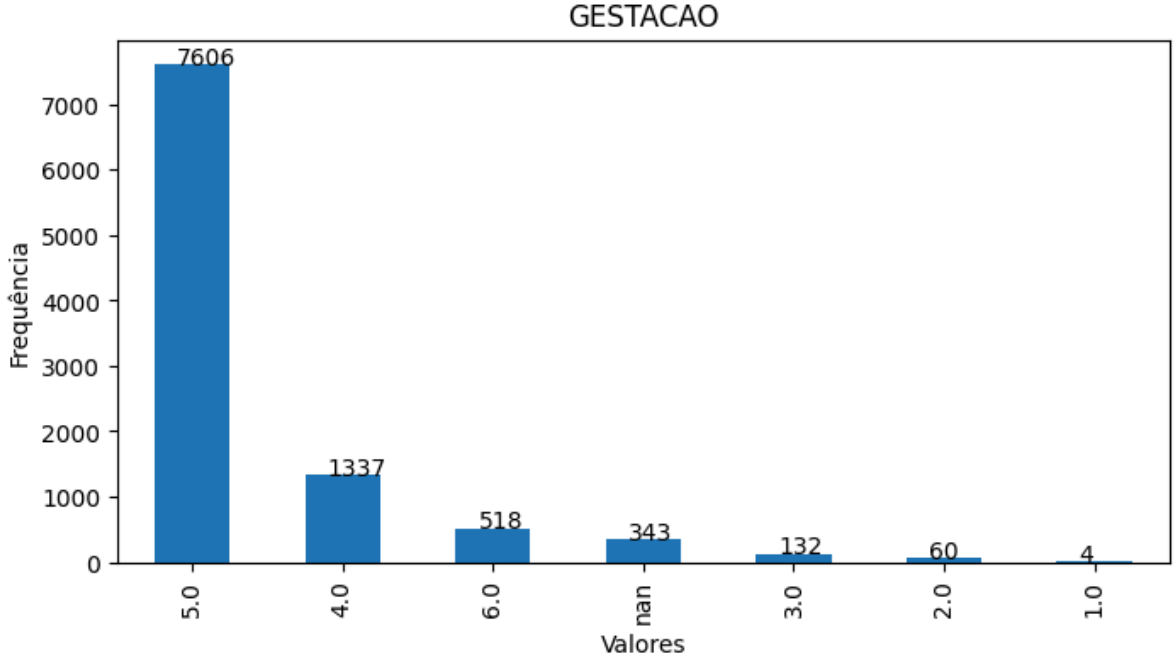
2.0
3.0
4.0
5.0
6.0


GESTACAO
Frequência
Valores
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518
343
132
60
4
5.0
4.0
6.0
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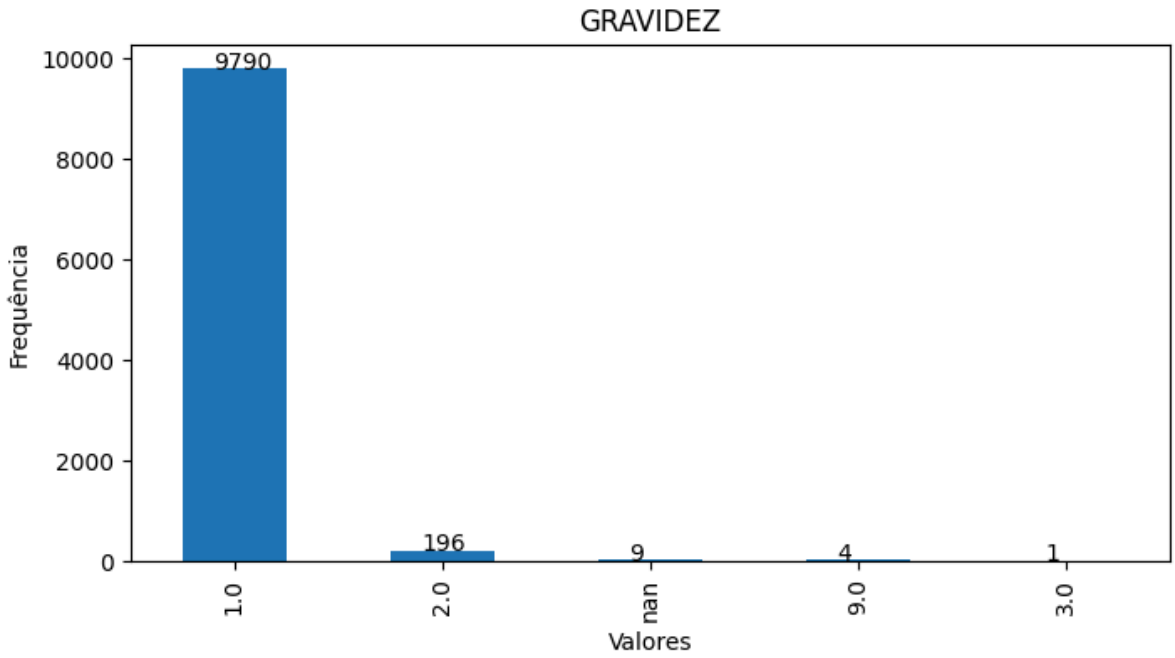
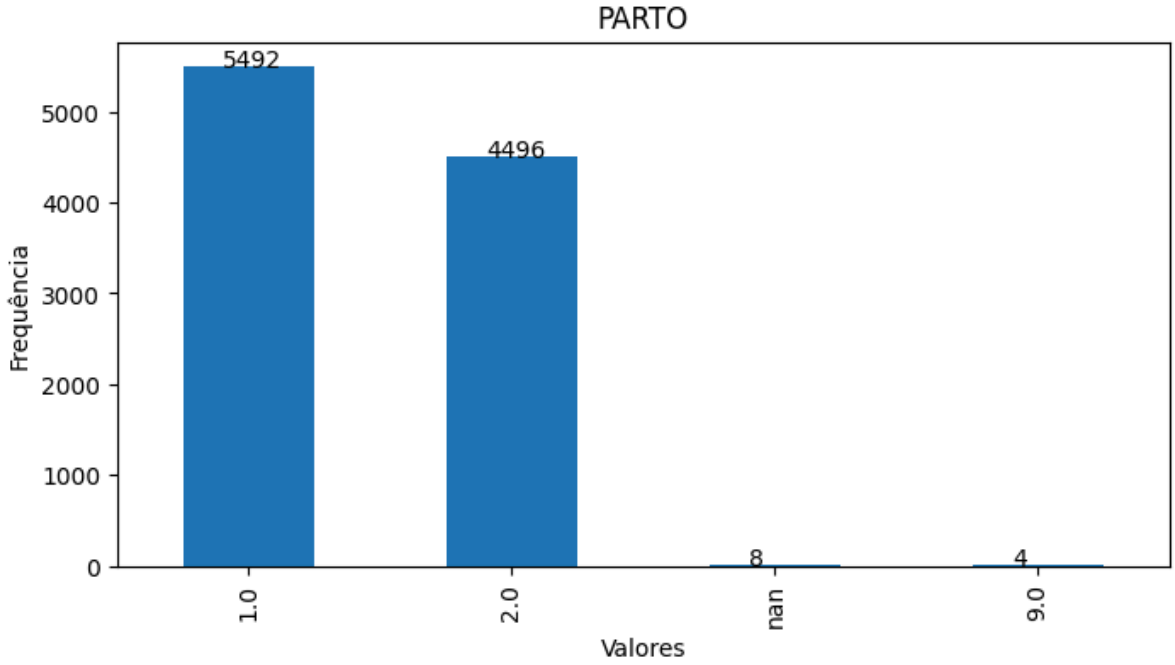
3.0
2.0
1.0


GRAVIDEZ
Frequência
Valores
9790
196
9
4
1
1.0
2.0
nan
9.0
3.0


PARTO
Frequência
Valores
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8
4
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2.0
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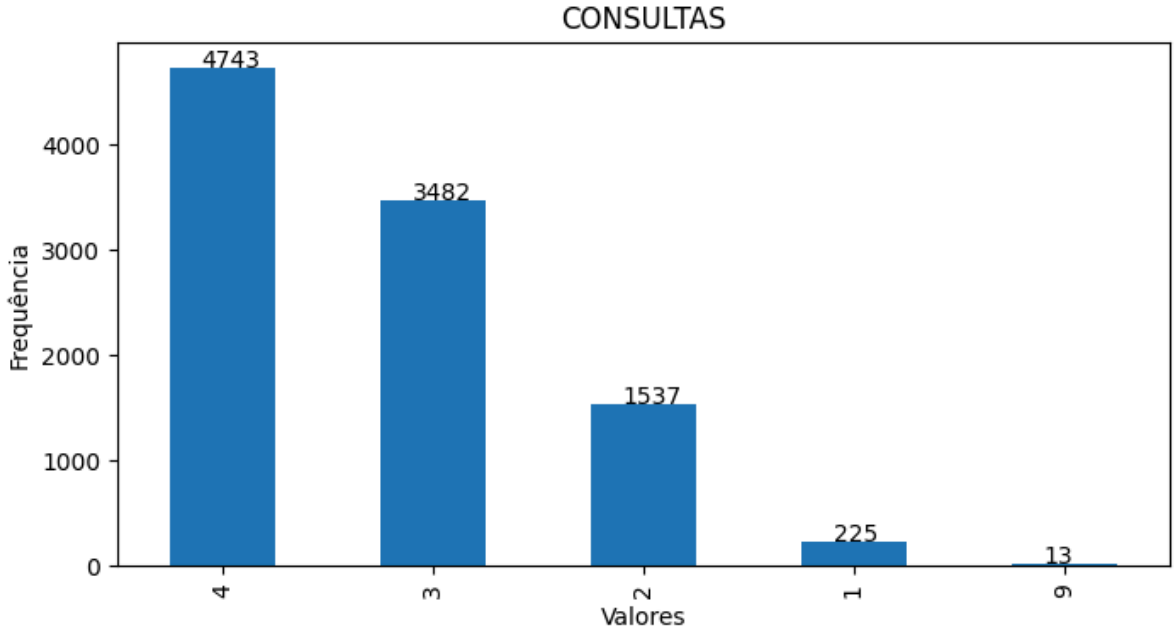
CONSULTAS
Frequência
Valores
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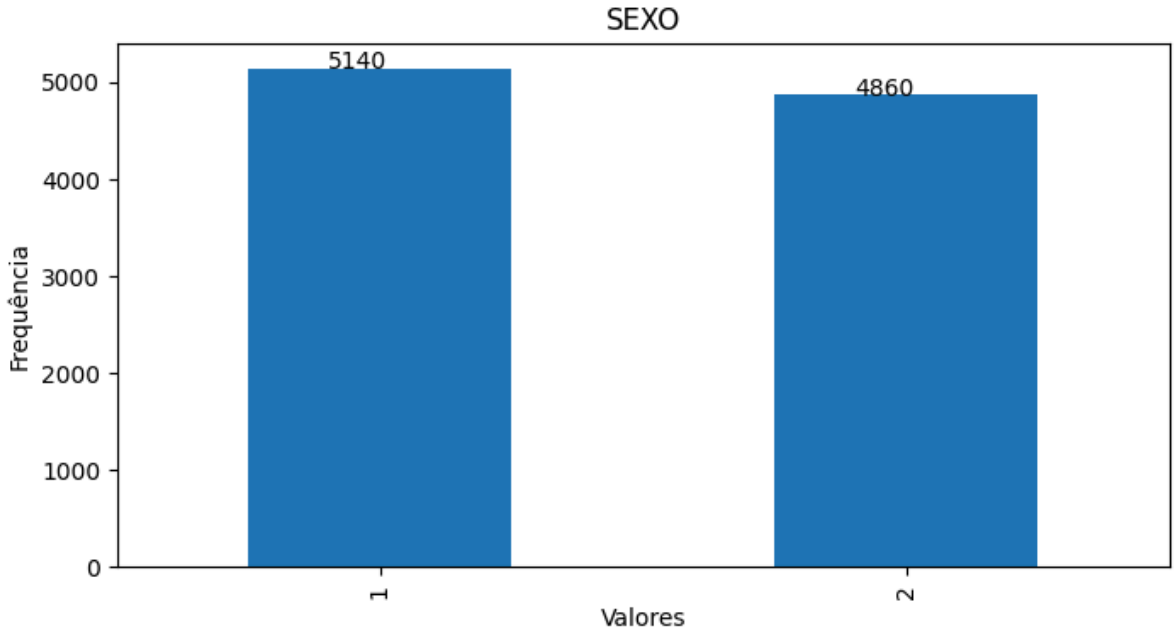
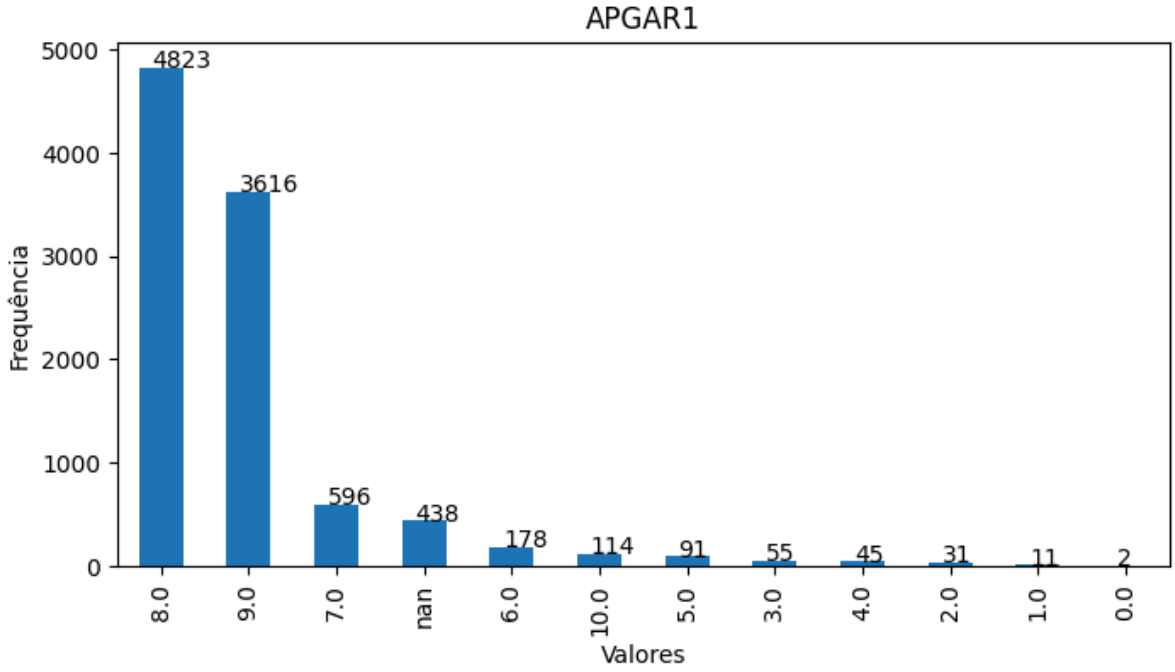
1537
225
13
4
3
2
1
9


SEXO
5140
4860
5000
4000
3000
2000
1000
0
Frequência
1
2
Valores


APGAR1
4823
3616
596
438
178
114
91
55
45
31
11
2
5000
4000
3000
2000
1000
0
Frequência
8.0
9.0
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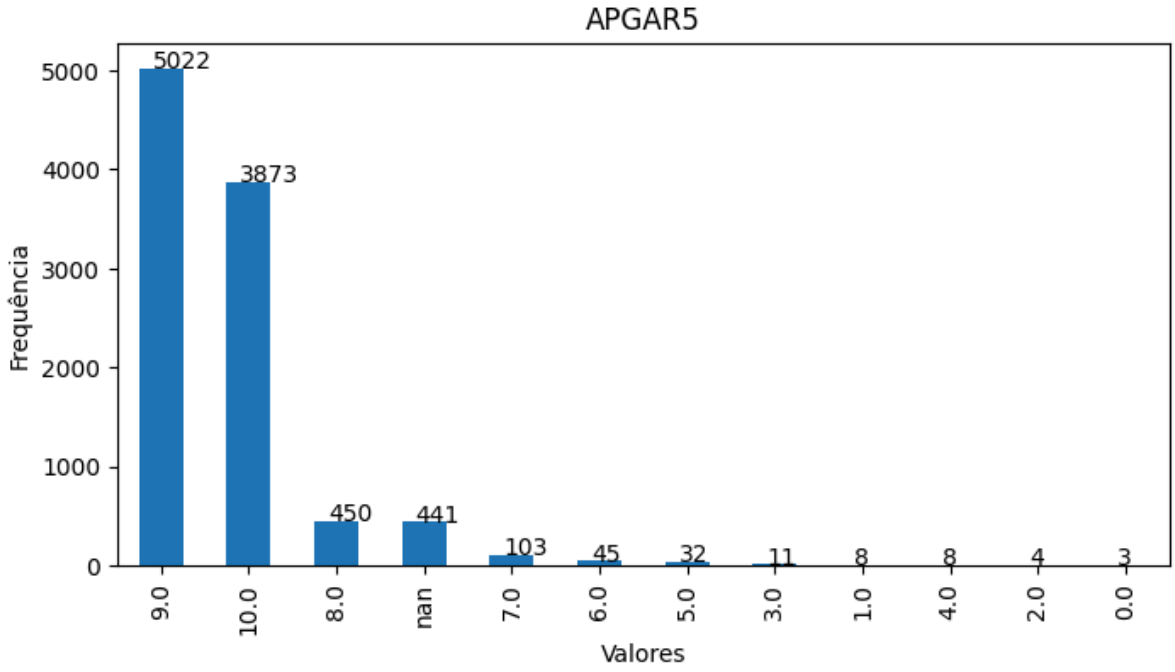
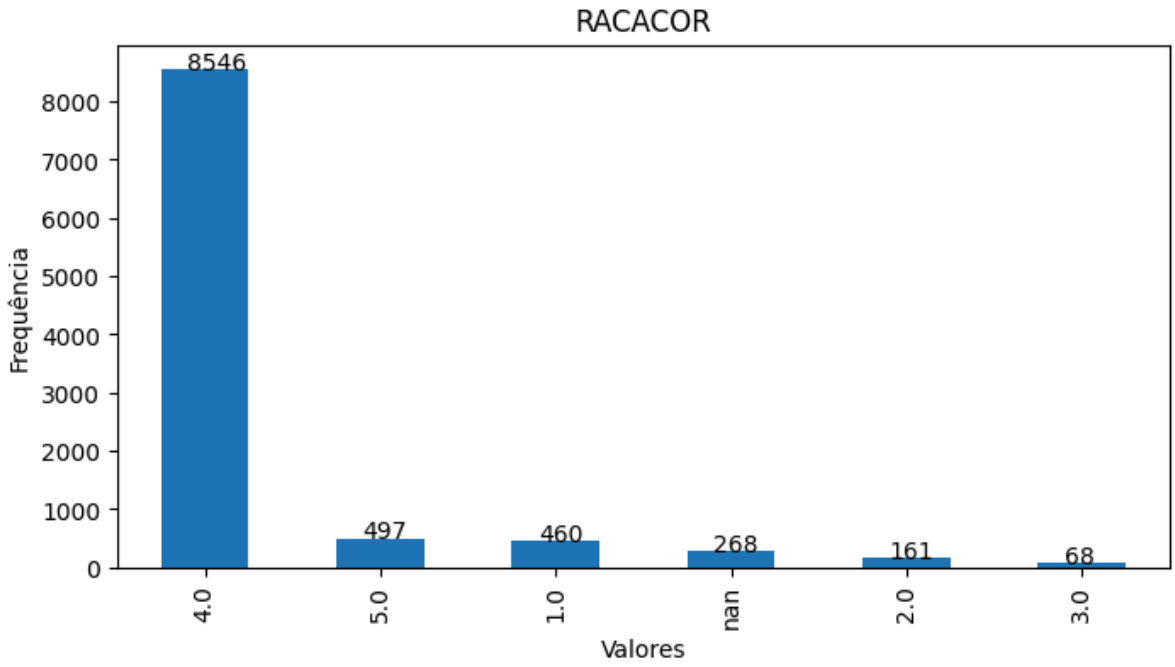
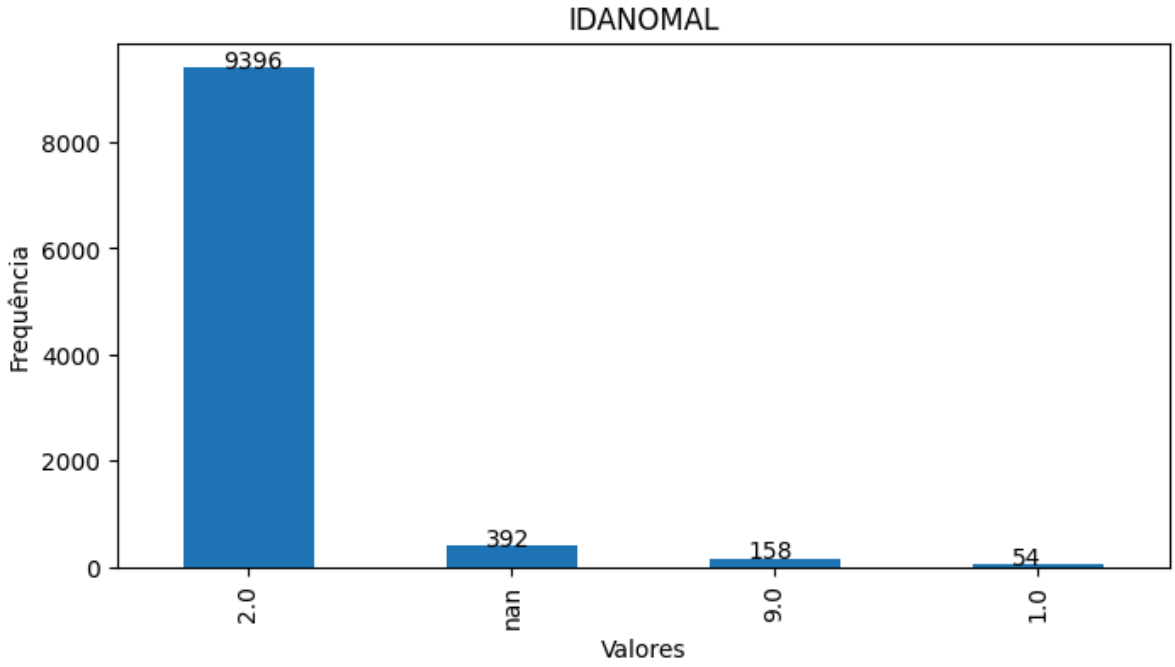
nan
6.0
10.0
5.0
3.0
4.0
2.0
1.0
0.0
Valores


APGAR5
5022
3873
450
441
103
45
32
11
8
8
4
3
5000
4000
3000
2000
1000
0
Frequência
9.0
10.0
8.0
nan
7.0
6.0
5.0
3.0
1.0
4.0
2.0
0.0
Valores


RACACOR
Frequência
Valores
8546
497
460
268
161
68
4.0
5.0
1.0
nan
2.0
3.0


IDANOMAL
Frequência
Valores
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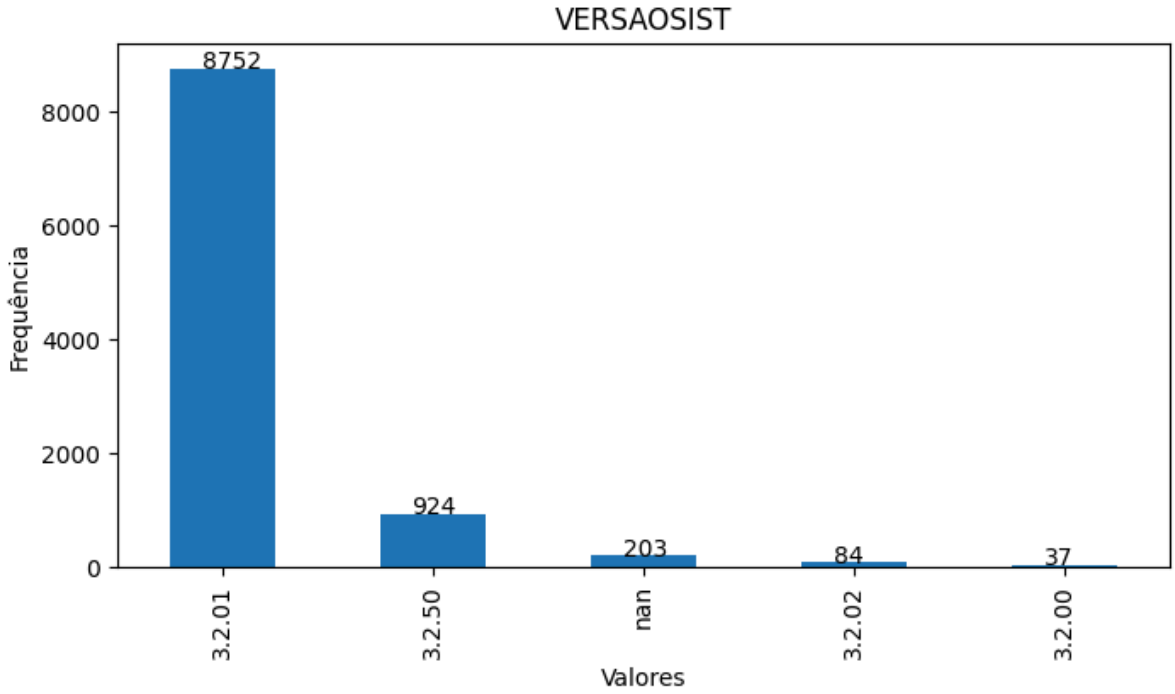
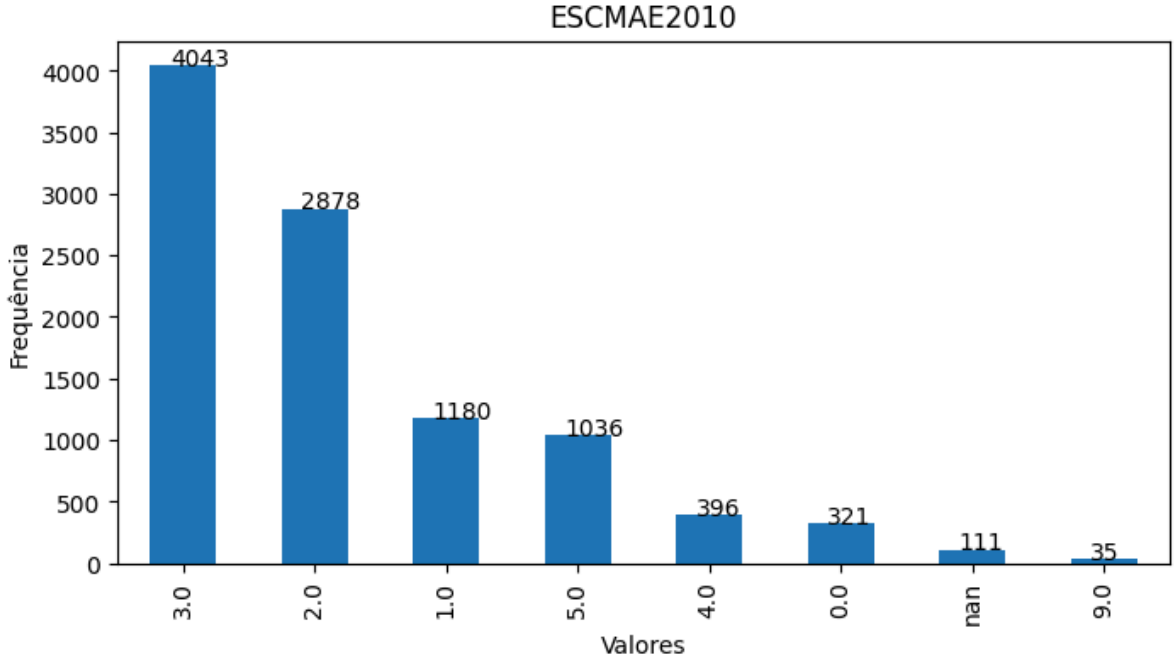
392
158
54
2.0
nan
9.0
1.0


VERSAOSIST
Frequência
Valores
8752
924
203
84
37
3.2.01
3.2.50
nan
3.2.02
3.2.00


ESCMAE2010
Frequência
Valores
4043
2878
1180
1036
396
321
111
35
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2.0
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5.0
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0.0
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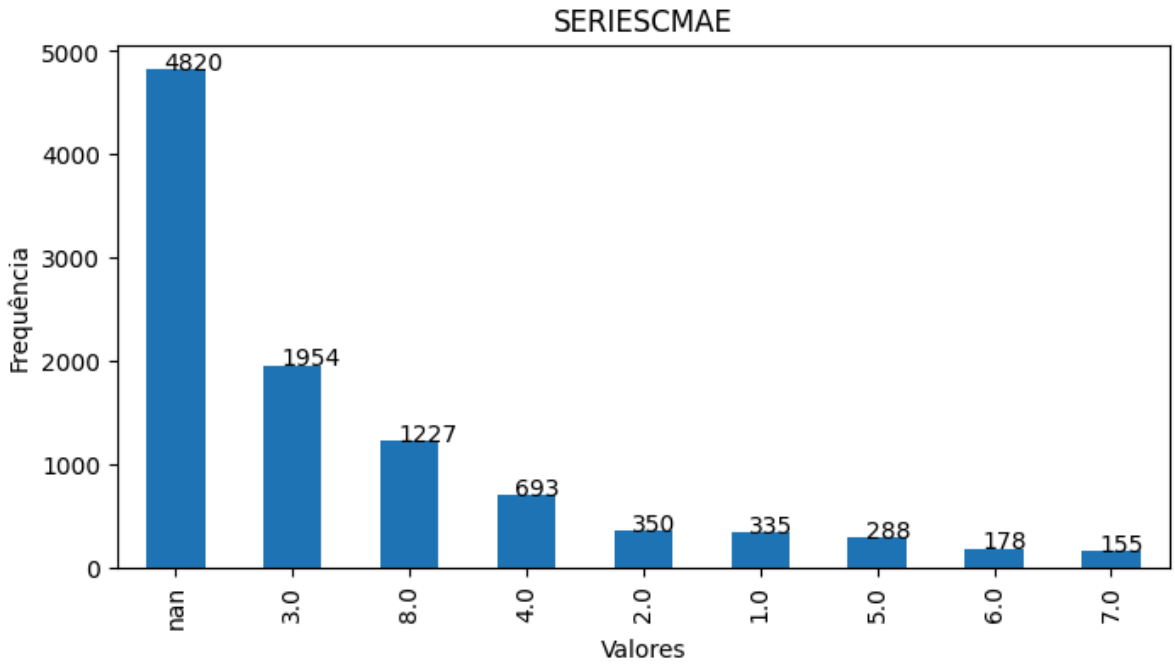
9.0


SERIESCMAE
Frequência
Valores
4820
1954
1227
693
350
335
288
178
155
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8.0
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2.0
1.0
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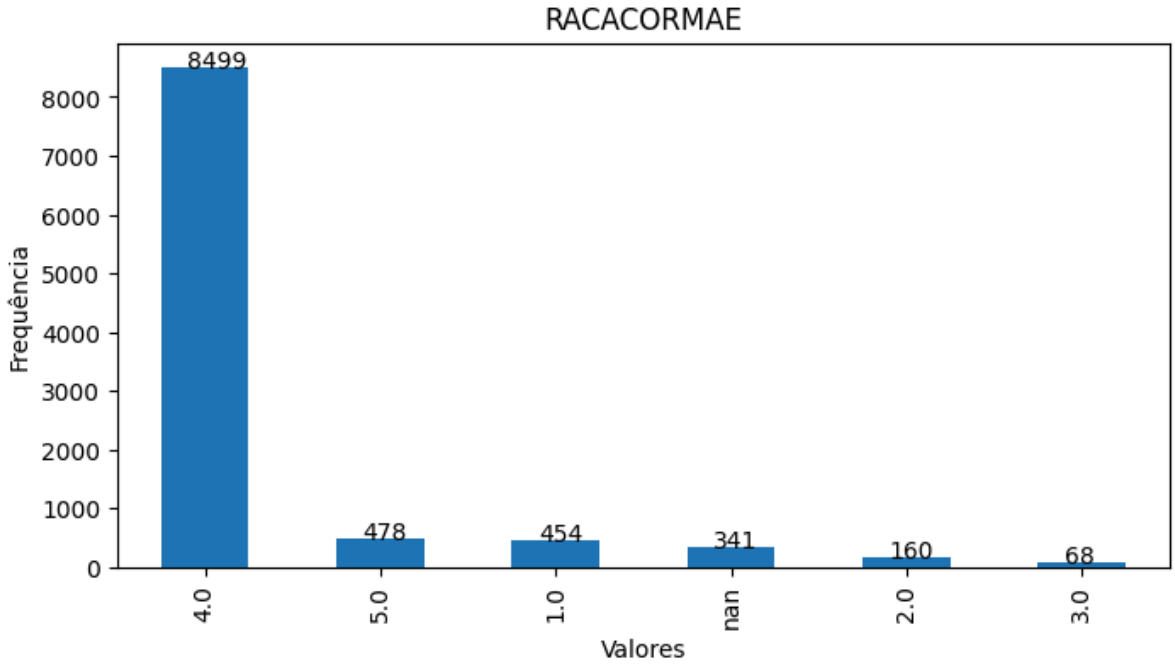
6.0
7.0


RACACORMAE
Frequência
Valores
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454
341
160
68
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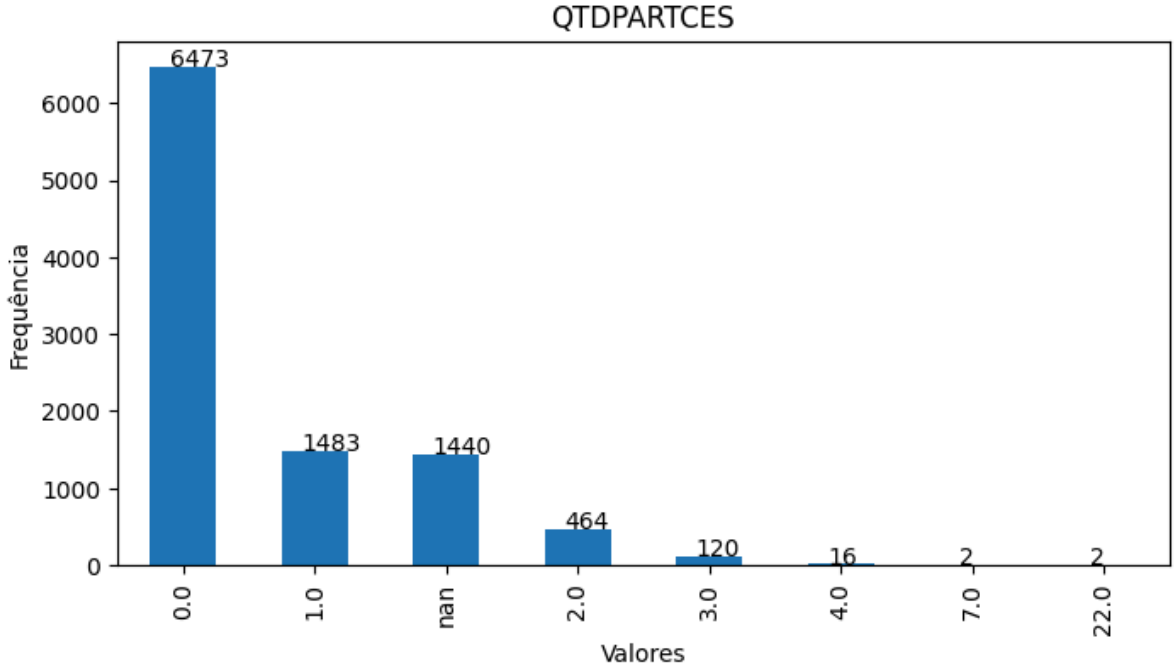
5.0
1.0
nan
2.0
3.0


QTDPARTCES
Frequência
Valores
6473
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1440
464
120
16
2
2
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1.0
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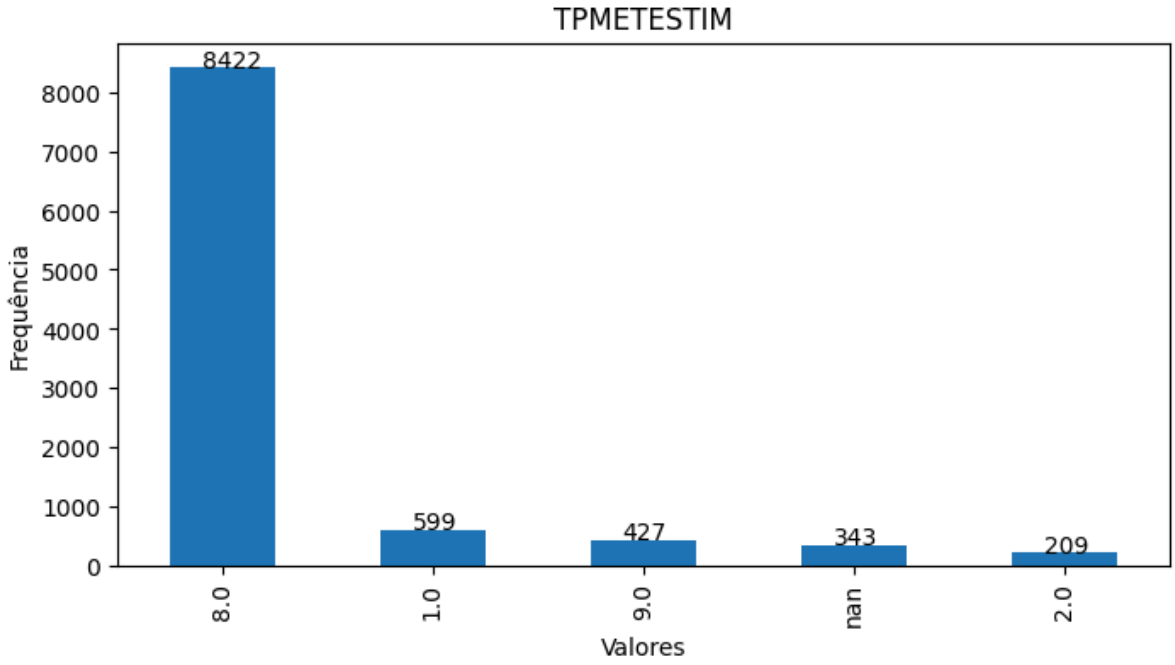
4.0
7.0
22.0


TPMETESTIM
Frequência
Valores
8422
599
427
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209
8.0
1.0
9.0
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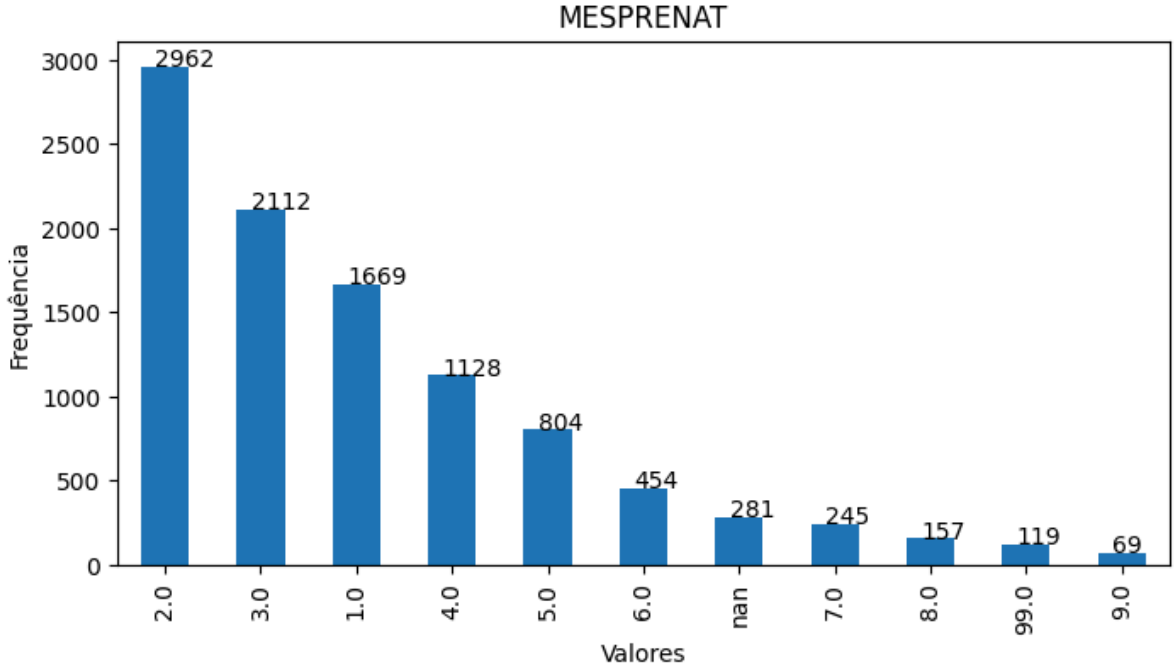
2.0


MESPRENAT
Frequência
Valores
2962
2112
1669
1128
804
454
281
245
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119
69
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1.0
4.0
5.0
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nan
7.0
8.0
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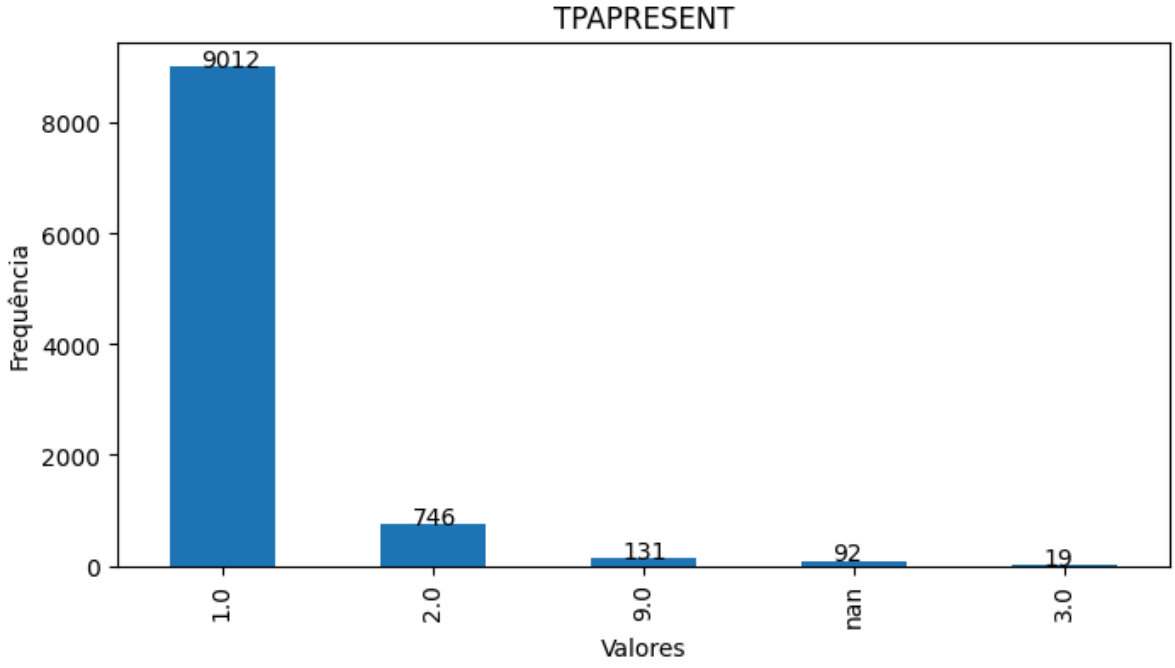
9.0


TPAPRESENT
Frequência
Valores
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746
131
92
19
1.0
2.0
9.0
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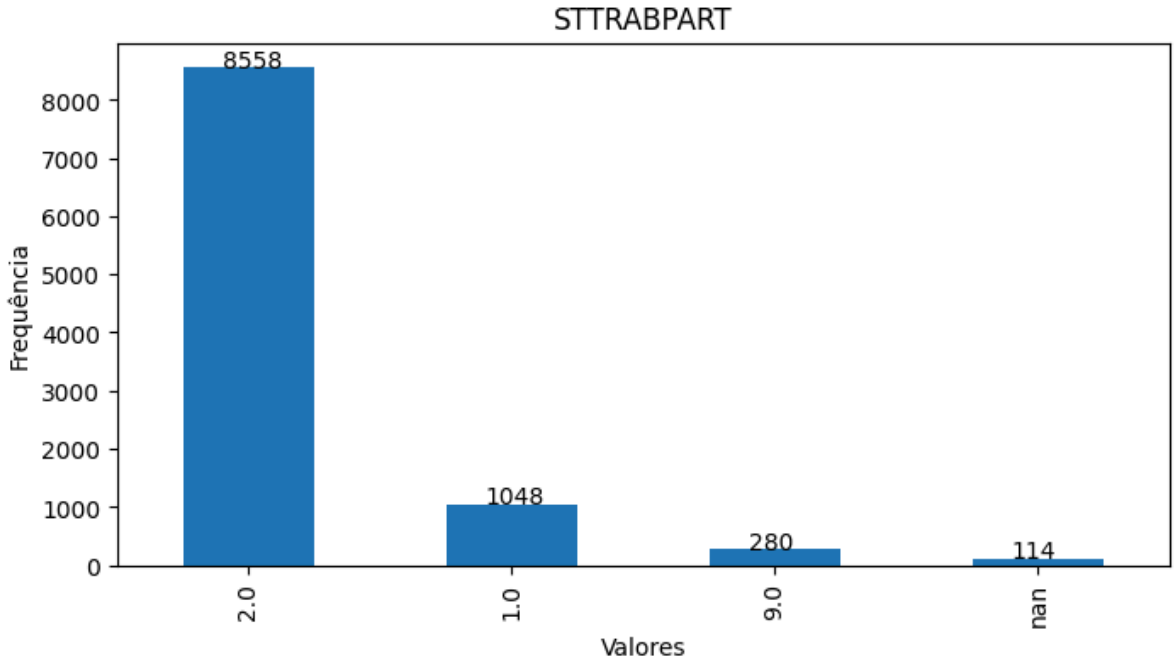
3.0


STTRABPART
Frequência
Valores
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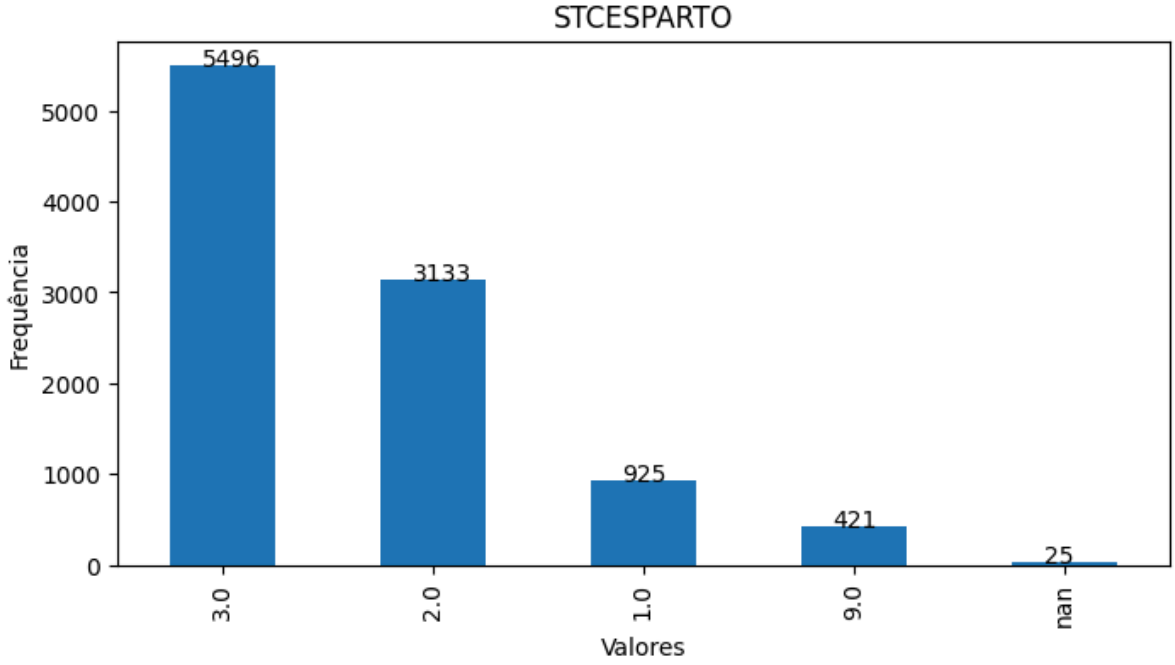
1048
280
114
2.0
1.0
9.0
nan


STCESPARTO
Frequência
Valores
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3133
925
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25
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2.0
1.0
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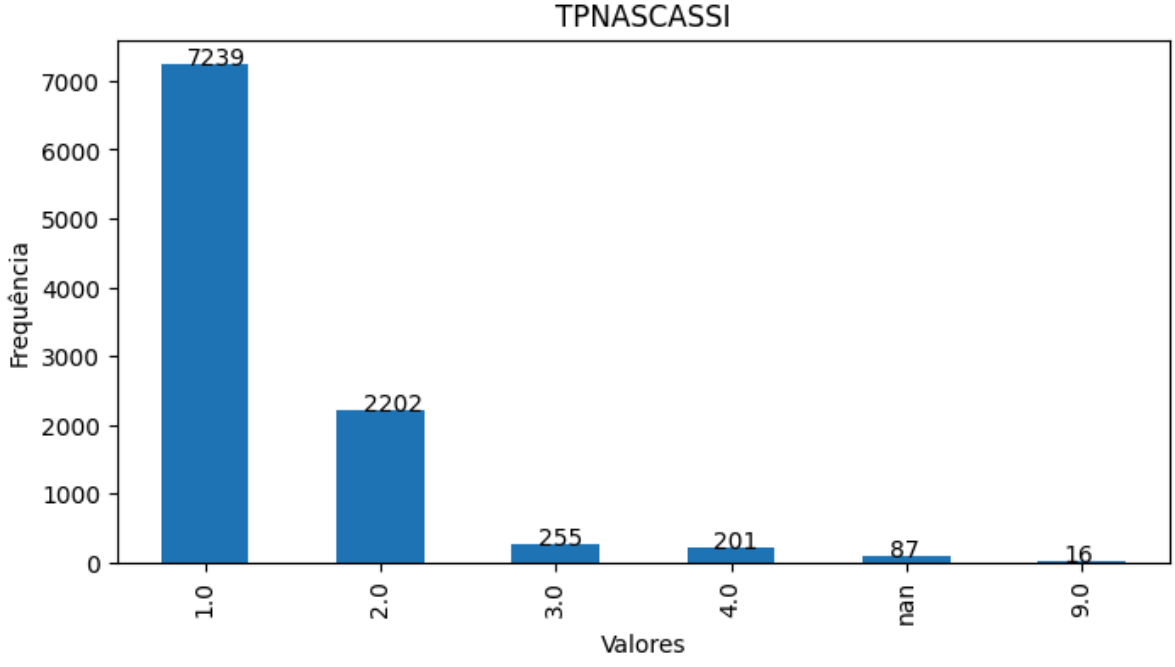
TPNASCASSI
Frequência
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201
87
16
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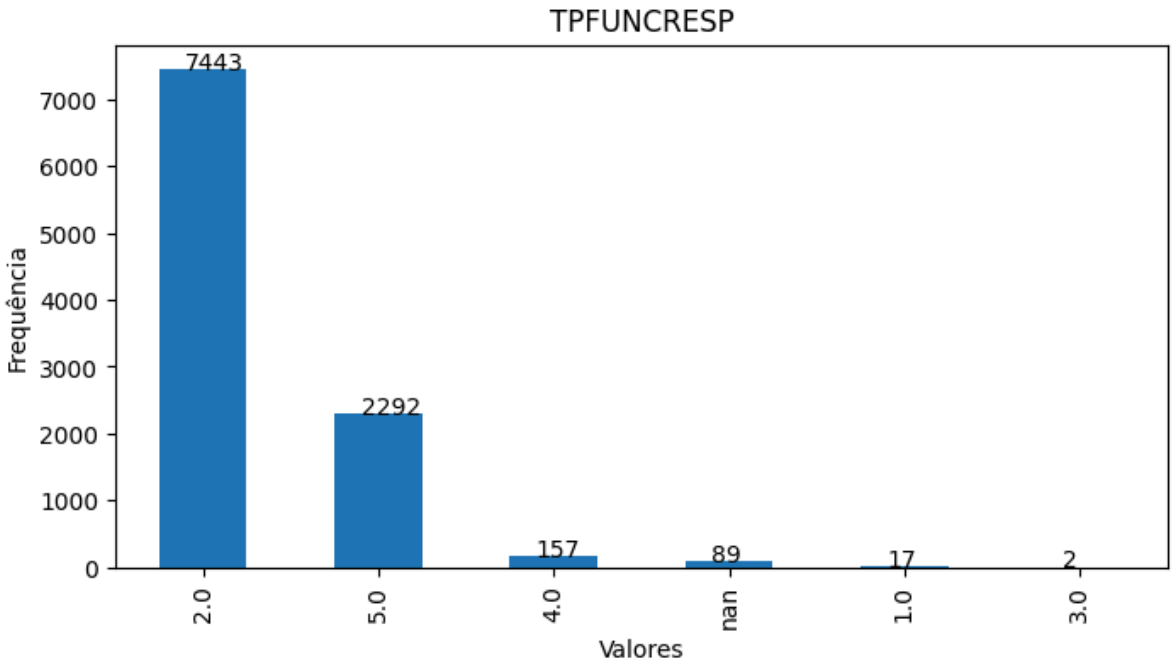
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Frequência
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89
17
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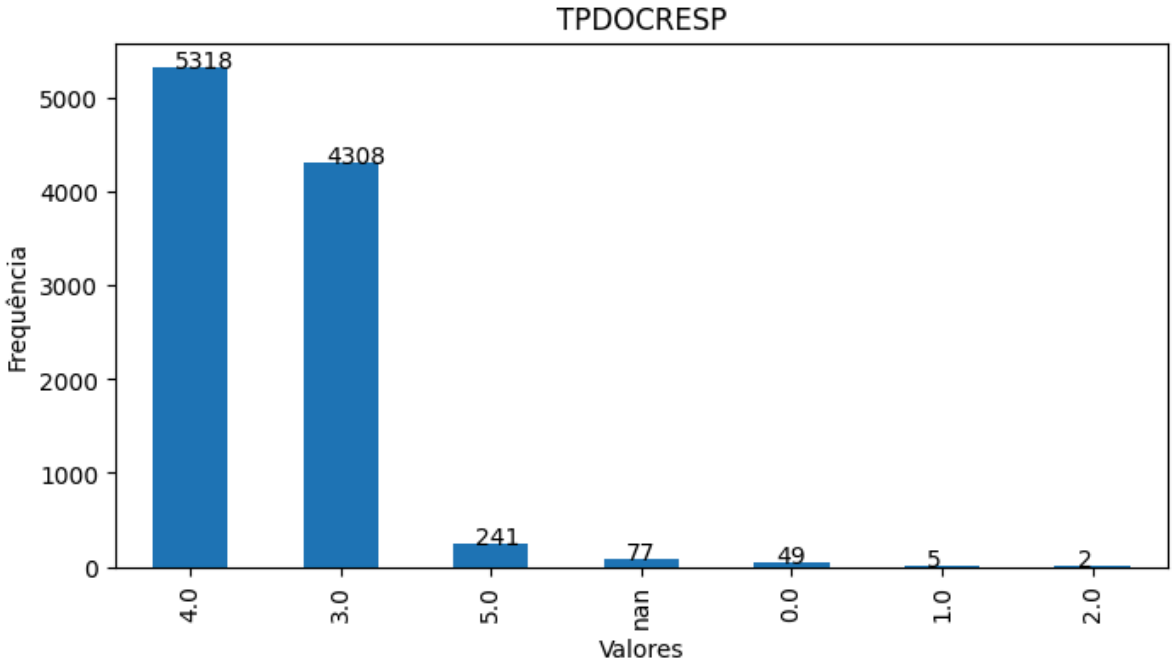
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Frequência
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241
77
49
5
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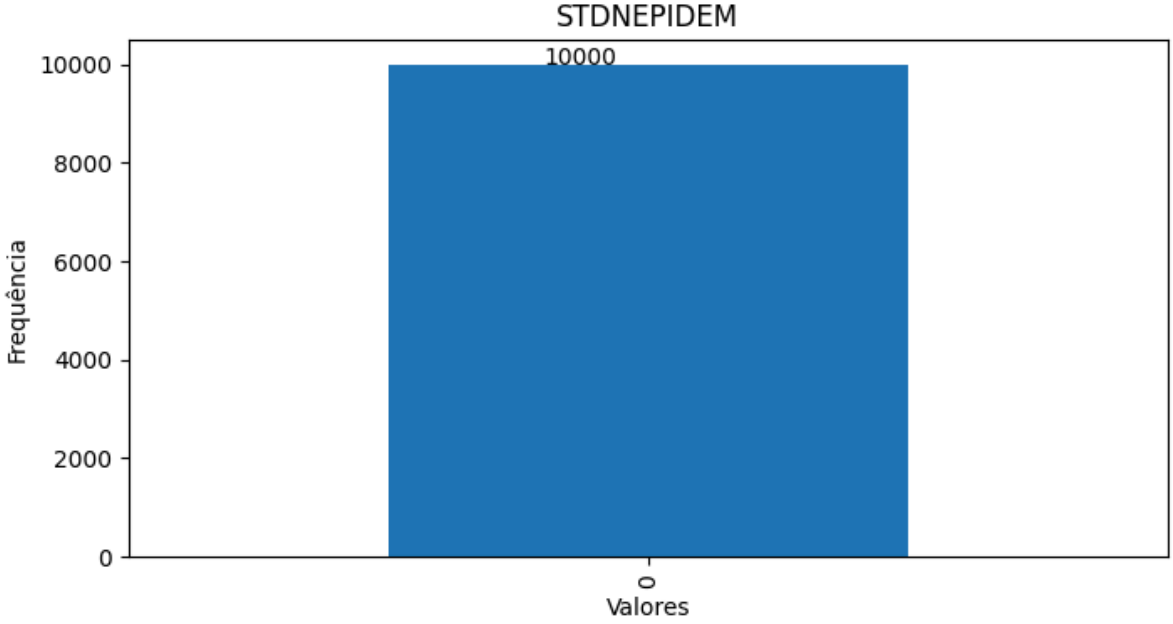
2.0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Frequência
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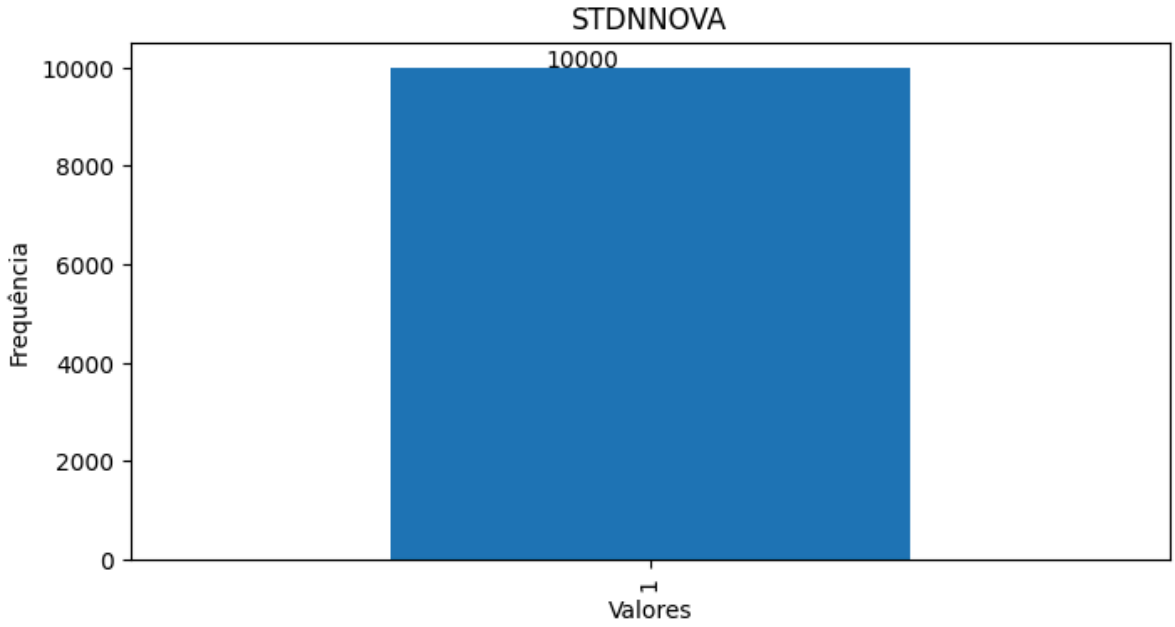
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8000
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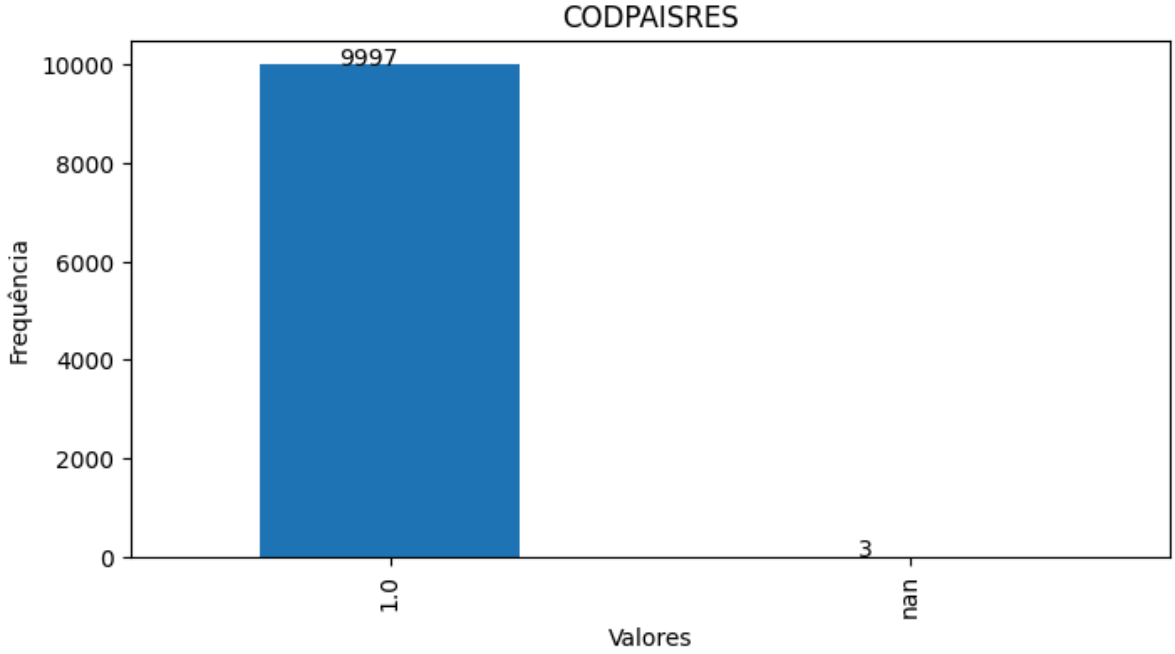
2000
0
Frequência
10000
1
Valores


CODPAISRES
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6000
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Frequência
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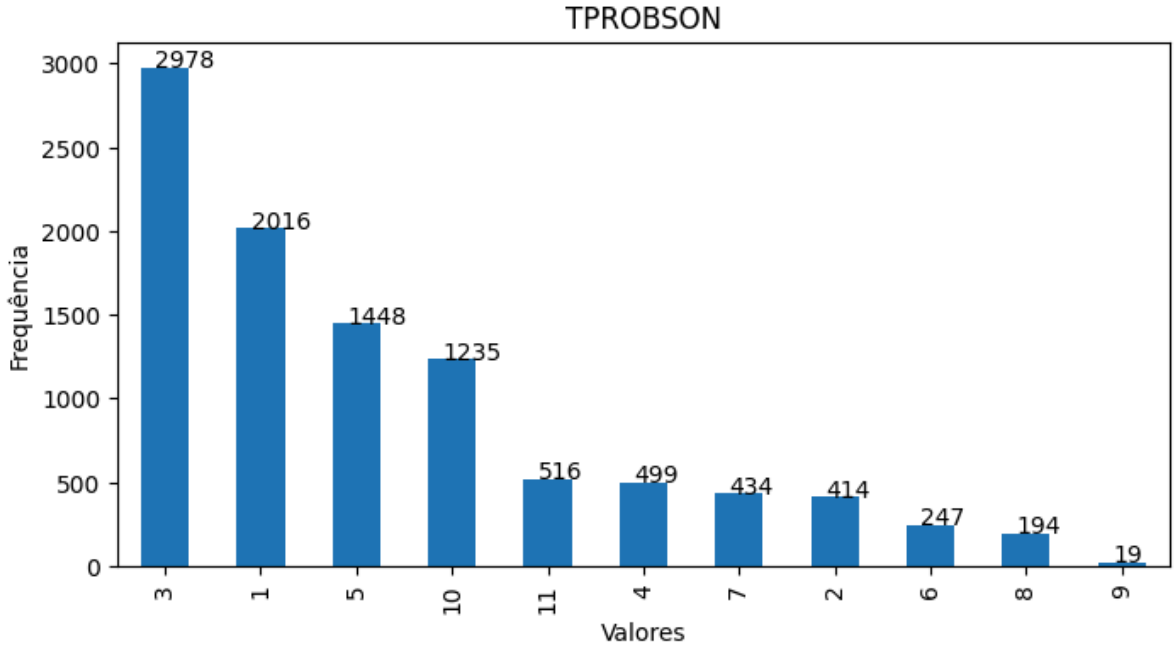
nan
Valores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Frequência
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2016
1448
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247
194
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11
4
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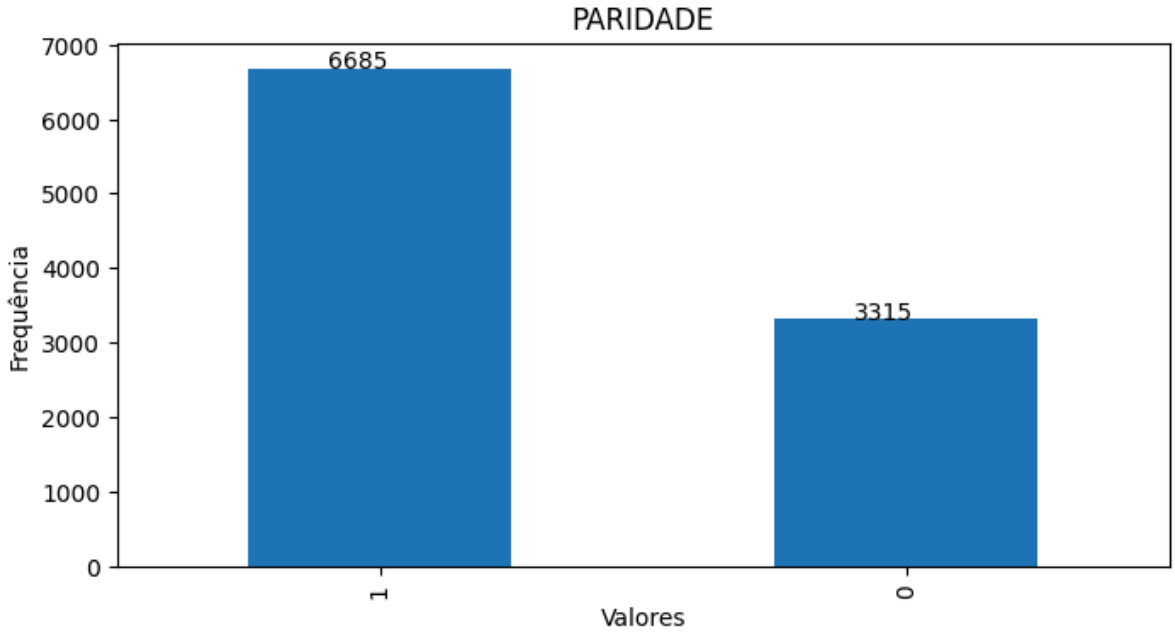
2
6
8
9
Valores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5000
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3000
2000
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Frequência
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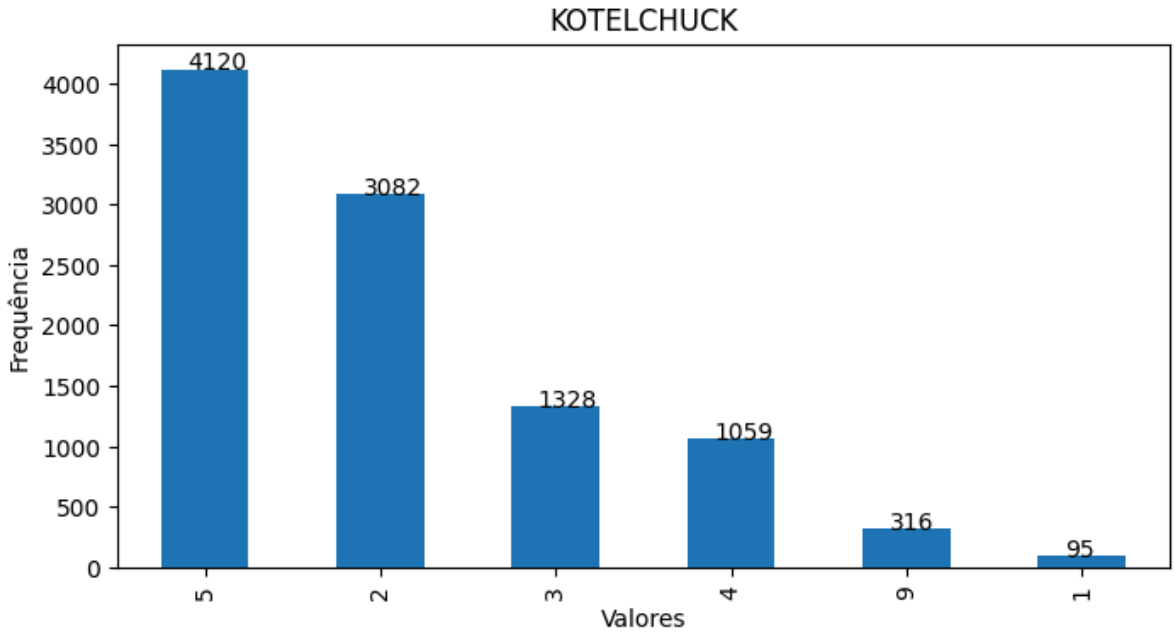
3315
1
0
Valores


KOTELCHUCK
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3500
3000
2500
2000
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Frequência
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1328
1059
316
95
5
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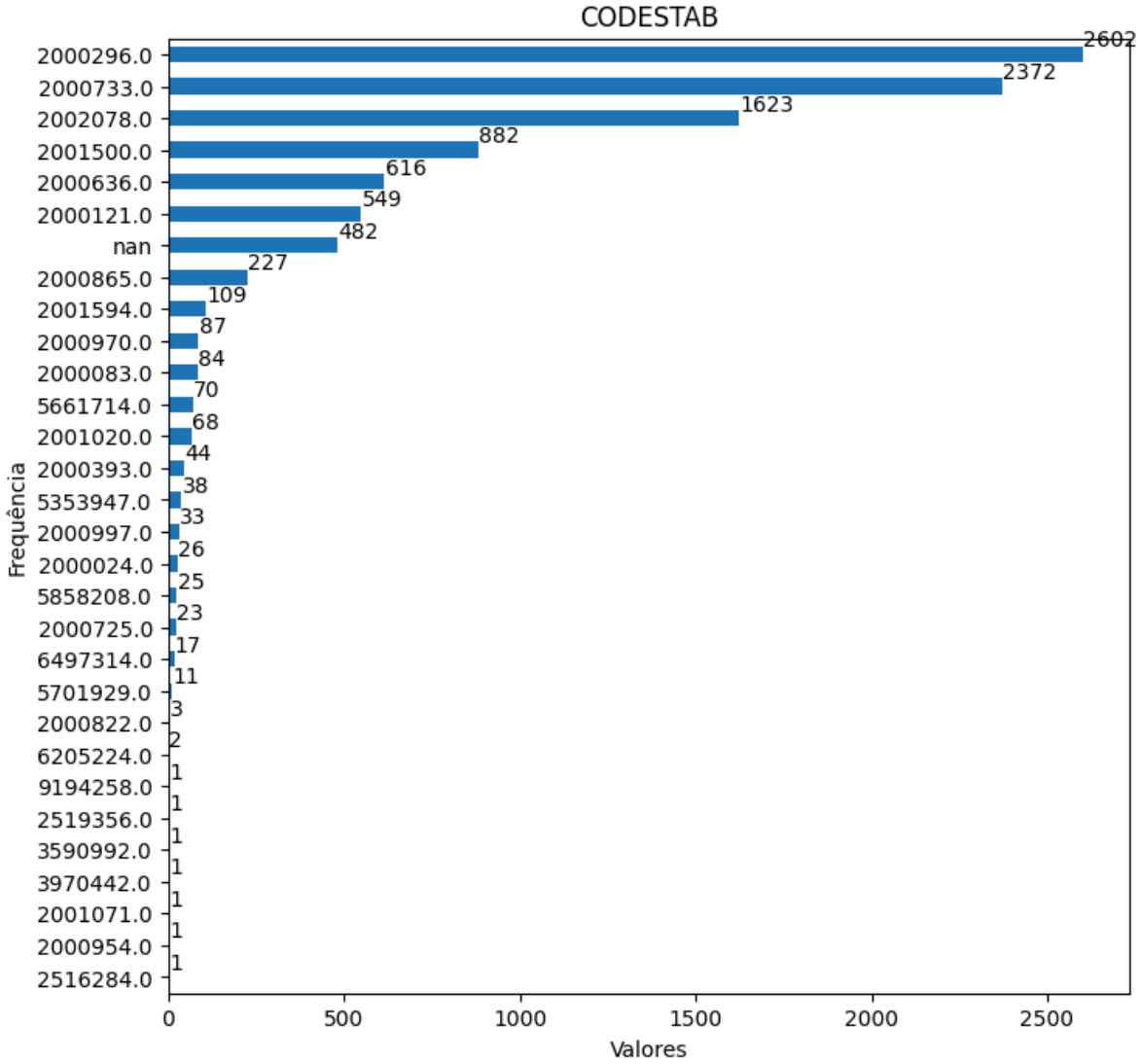
4
9
1
Valores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6205224.0
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2372
1623
882
616
549
482
227
109
87
84
70
68
44
38
33
26
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23
17
11
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1
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1
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Frequência
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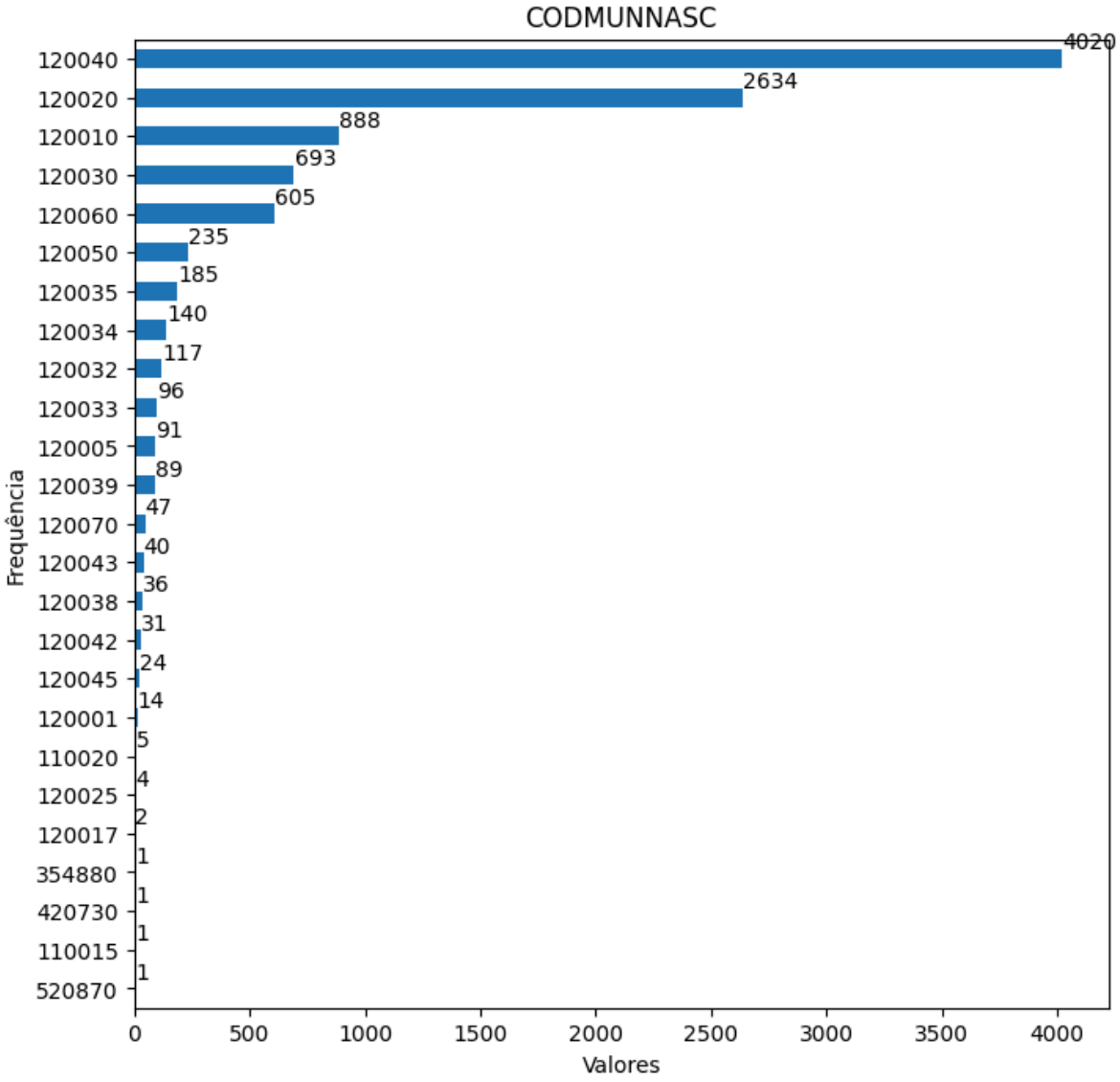
1500
2000
2500
Valores


CODMUNNASC
Frequência
Valores
120040
120020
120010
120030
120060
120050
120035
120034
120032
120033
120005
120039
120070
120043
120038
120042
120045
120001
110020
120025
120017
354880
420730
110015
520870
4020
2634
888
693
605
235
185
140
117
96
91
89
47
40
36
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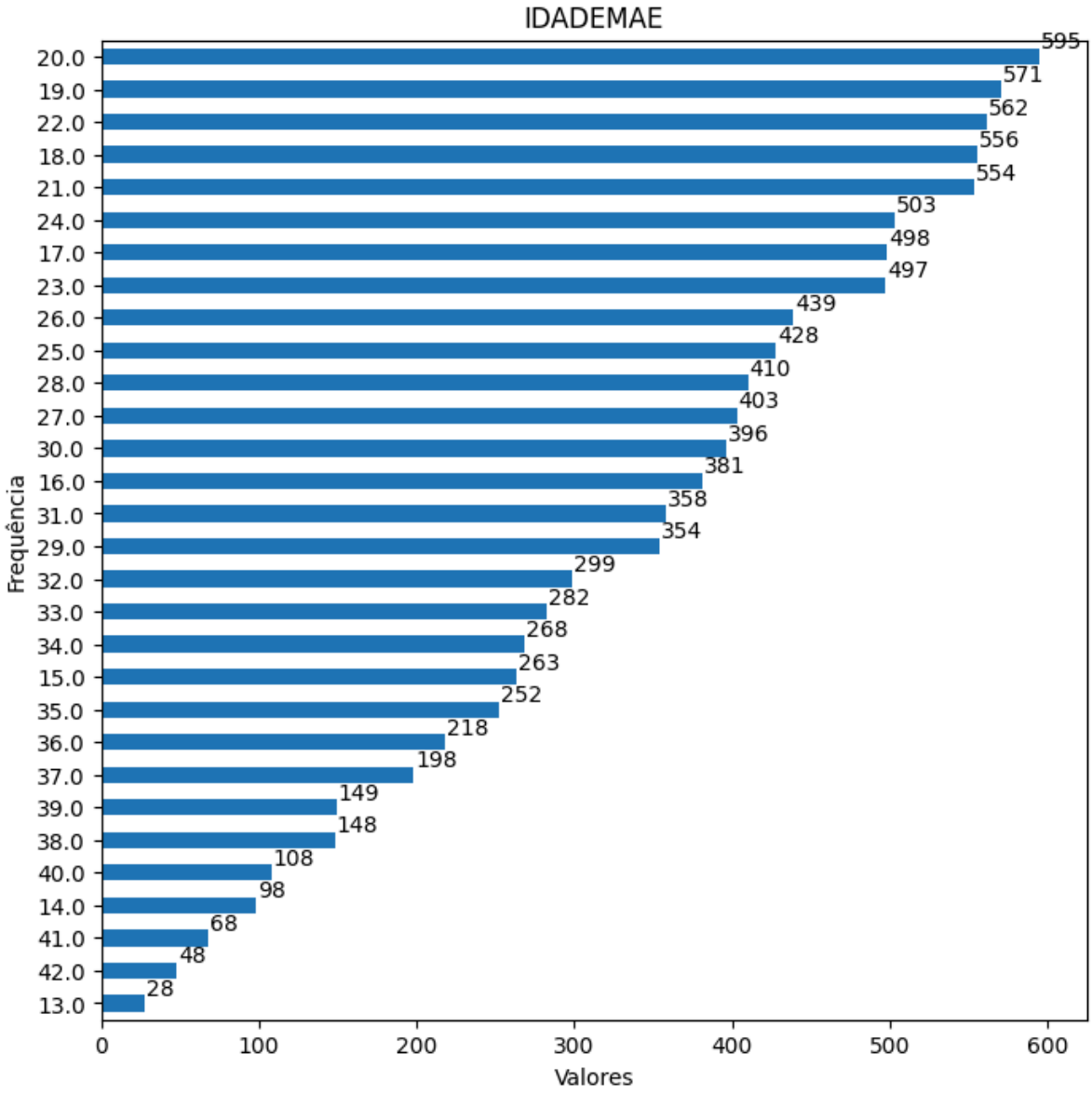
2000
2500
3000
3500
4000


IDADEMAE
Frequência
Valores
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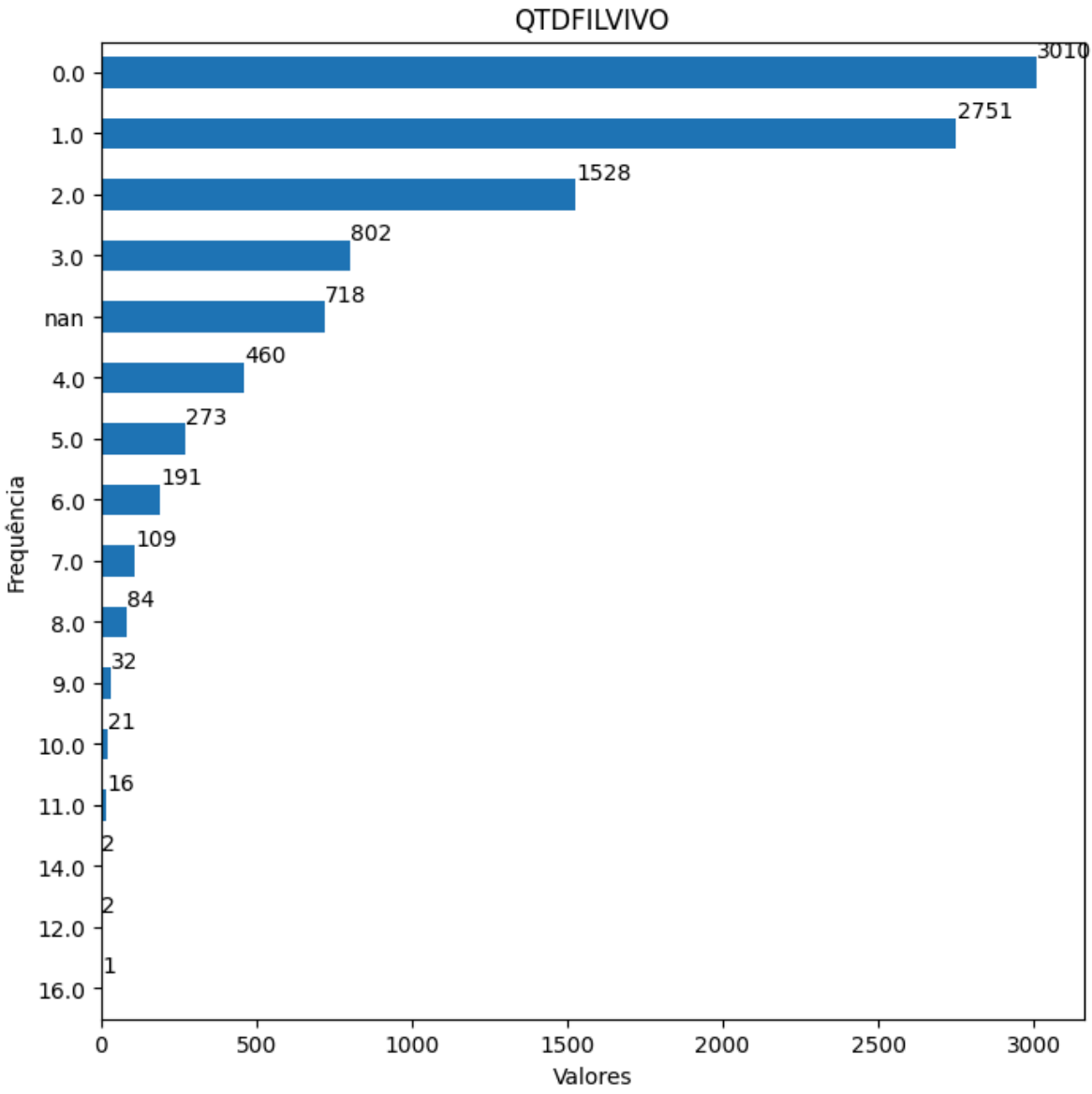
19.0 571
22.0 562
18.0 556
21.0 554
24.0 503
17.0 498
23.0 497
26.0 439
25.0 428
28.0 410
27.0 403
30.0 396
16.0 381
31.0 358
29.0 354
32.0 299
33.0 282
34.0 268
15.0 263
35.0 252
36.0 218
37.0 198
39.0 149
38.0 148
40.0 108
14.0 98
41.0 68
42.0 48
13.0 28
0
100
200
300
400
500
600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Frequência
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nan
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5.0
6.0
7.0
8.0
9.0
10.0
11.0
14.0
12.0
16.0
3010
2751
1528
802
718
460
273
191
109
84
32
21
16
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0
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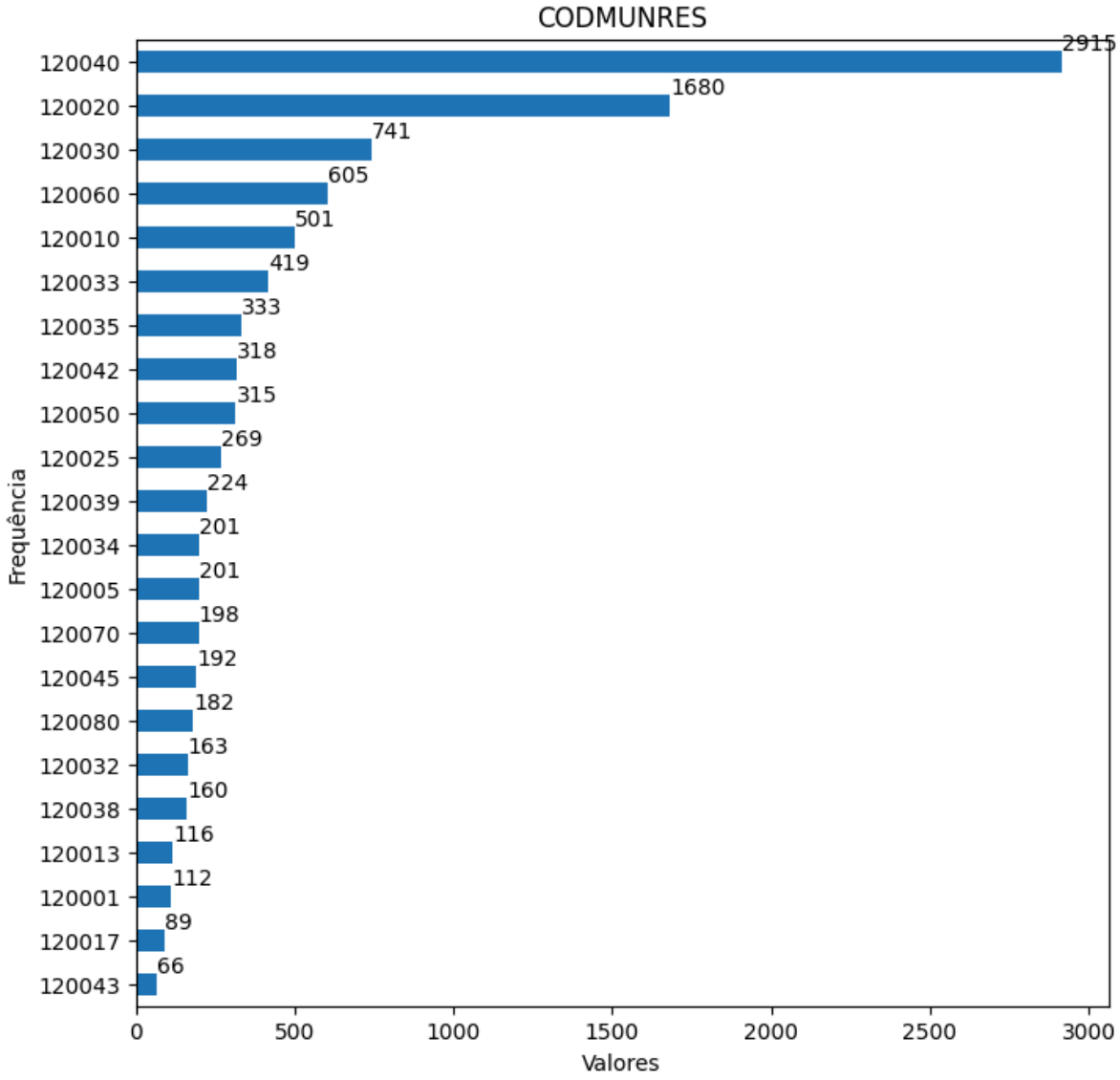
1000
1500
2000
2500
3000


CODMUNRES
120040
120020
120030
120060
120010
120033
120035
120042
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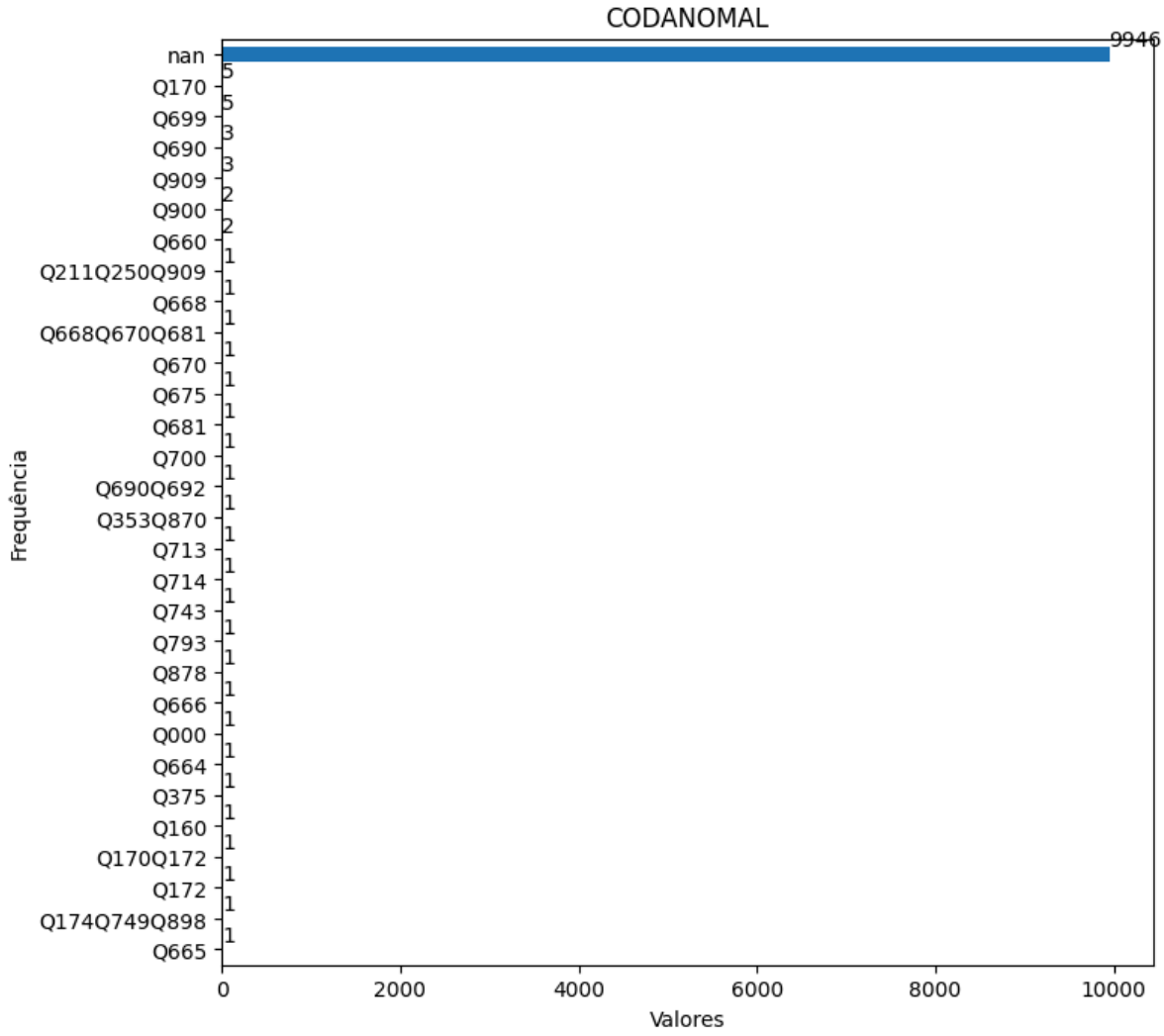
120025
120039
120034
120005
120070
120045
120080
120032
120038
120013
120001
120017
120043
2915
1680
741
605
501
419
333
318
315
269
224
201
201
198
192
182
163
160
116
112
89
66
Frequência
0
500
1000
1500
2000
2500
3000
Valores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Q909
Q900
Q660
Q211Q250Q909
Q668
Q668Q670Q681
Q670
Q675
Q681
Q700
Q690Q692
Q353Q870
Q713
Q714
Q743
Q793
Q878
Q666
Q000
Q664
Q375
Q160
Q170Q172
Q172
Q174Q749Q898
Q665
9946
5
5
3
3
2
2
1
1
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Frequência
0
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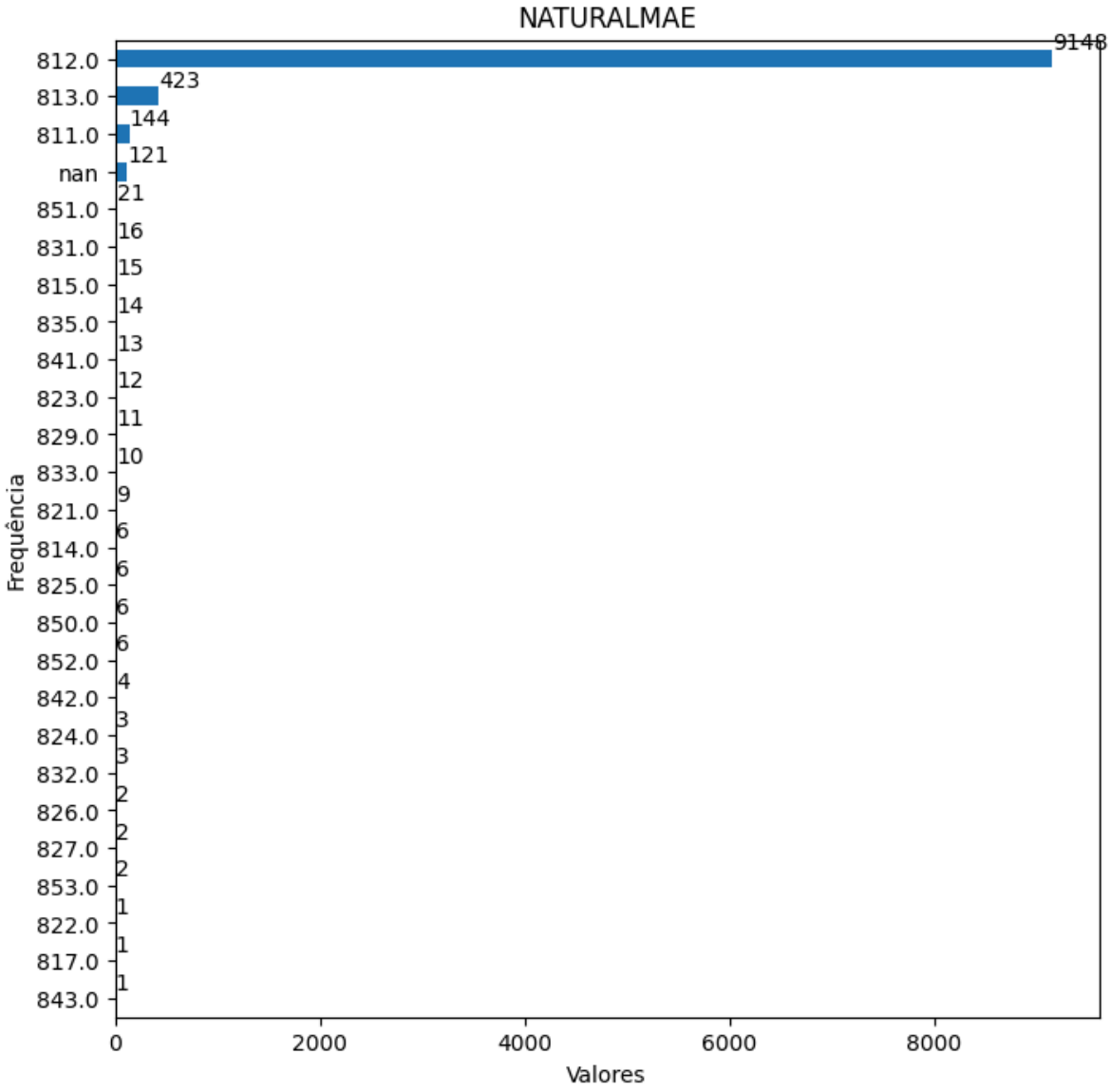
4000
6000
8000
10000
Valores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815.0
835.0
841.0
823.0
829.0
833.0
821.0
814.0
825.0
850.0
852.0
842.0
824.0
832.0
826.0
827.0
853.0
822.0
817.0
843.0
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423
144
121
21
16
15
14
13
12
11
10
9
6
6
6
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3
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2
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1
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Frequência
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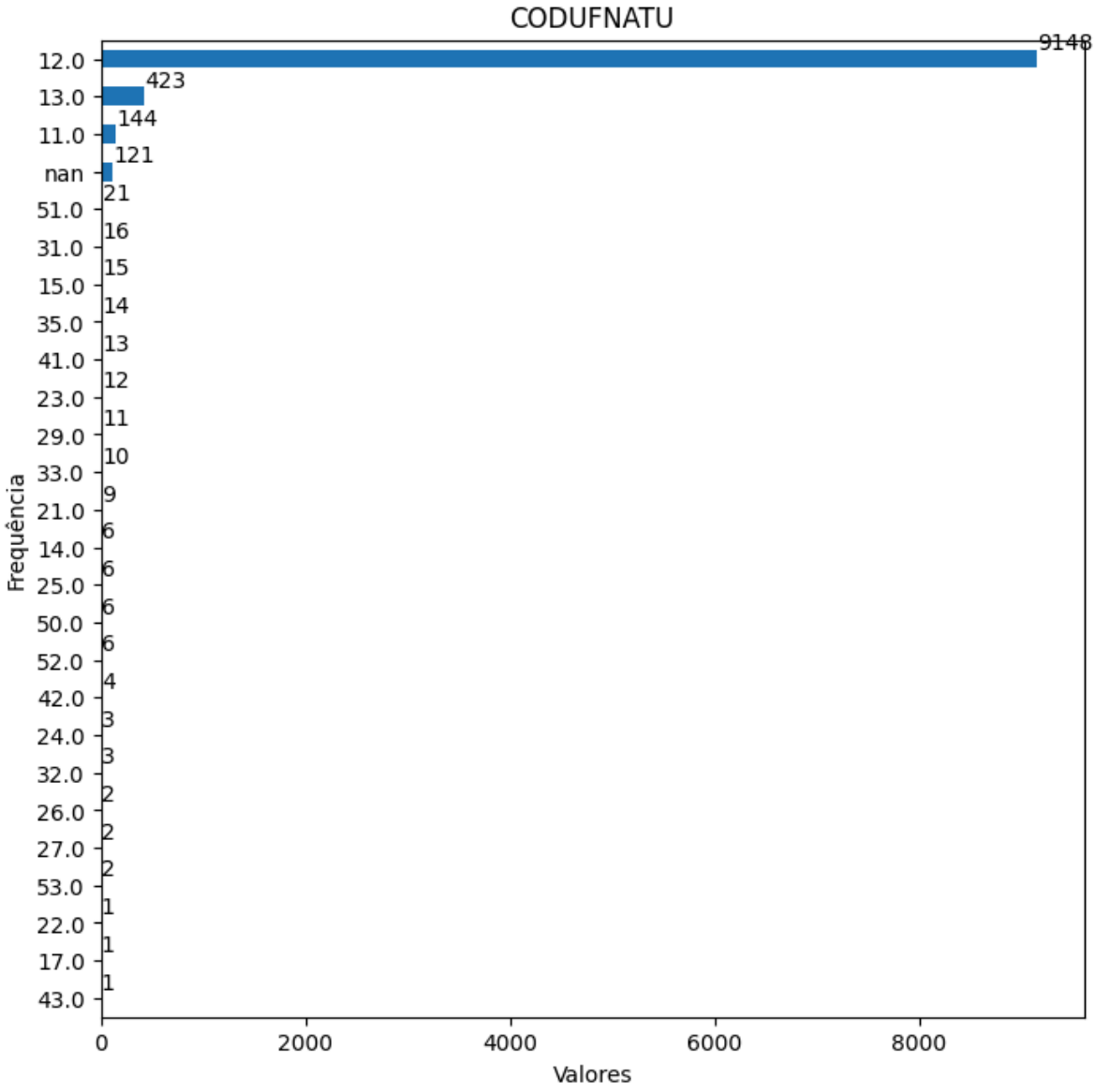
6000
8000
Valores


CODUFNATU
Frequência
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11.0
nan
51.0
31.0
15.0
35.0
41.0
23.0
29.0
33.0
21.0
14.0
25.0
50.0
52.0
42.0
24.0
32.0
26.0
27.0
53.0
22.0
17.0
43.0
9148
423
144
121
21
16
15
14
13
12
11
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6
6
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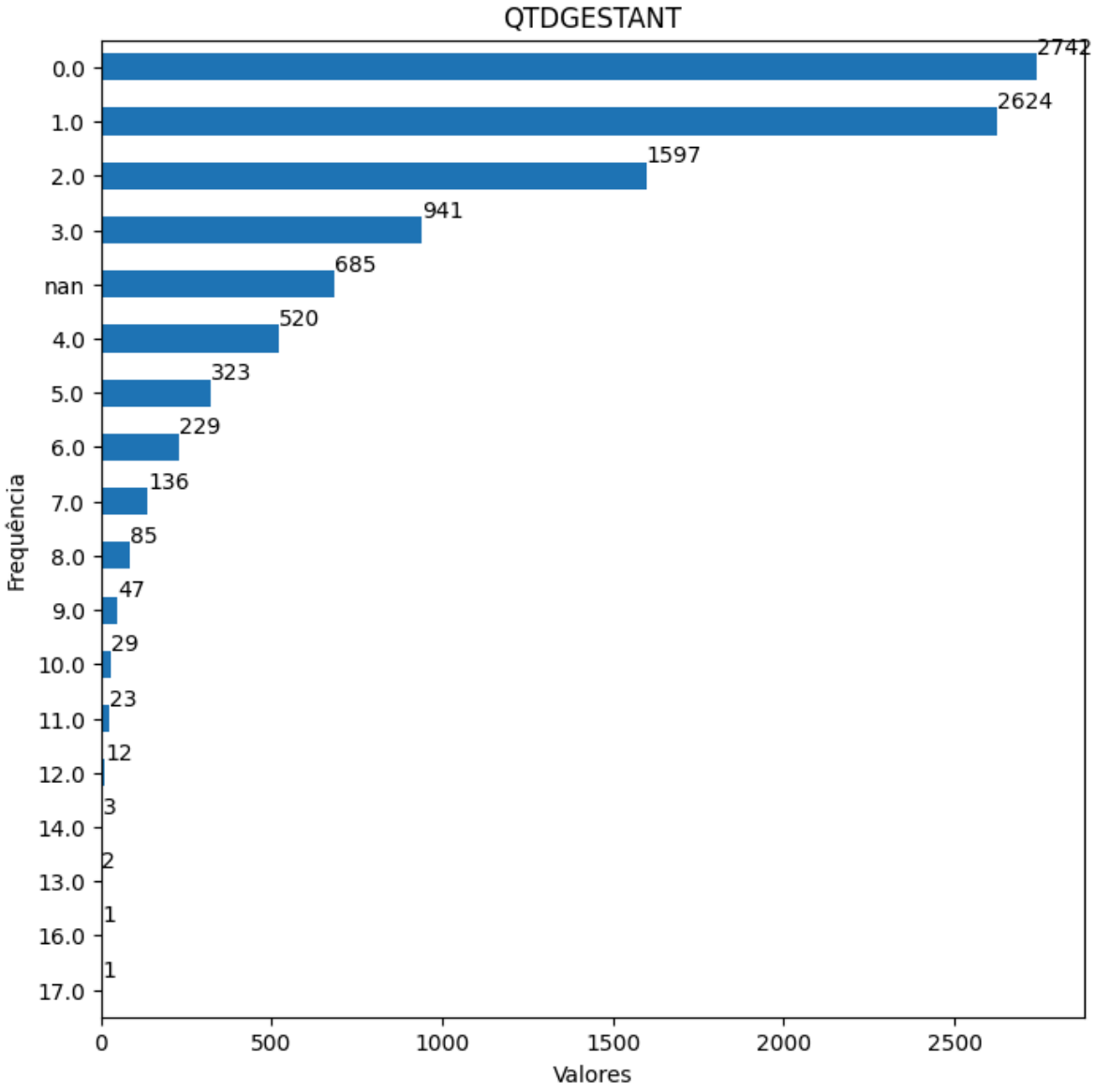
4000
6000
8000


QTDGESTANT
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1.0
2.0
3.0
nan
4.0
5.0
6.0
7.0
8.0
9.0
10.0
11.0
12.0
14.0
13.0
16.0
17.0
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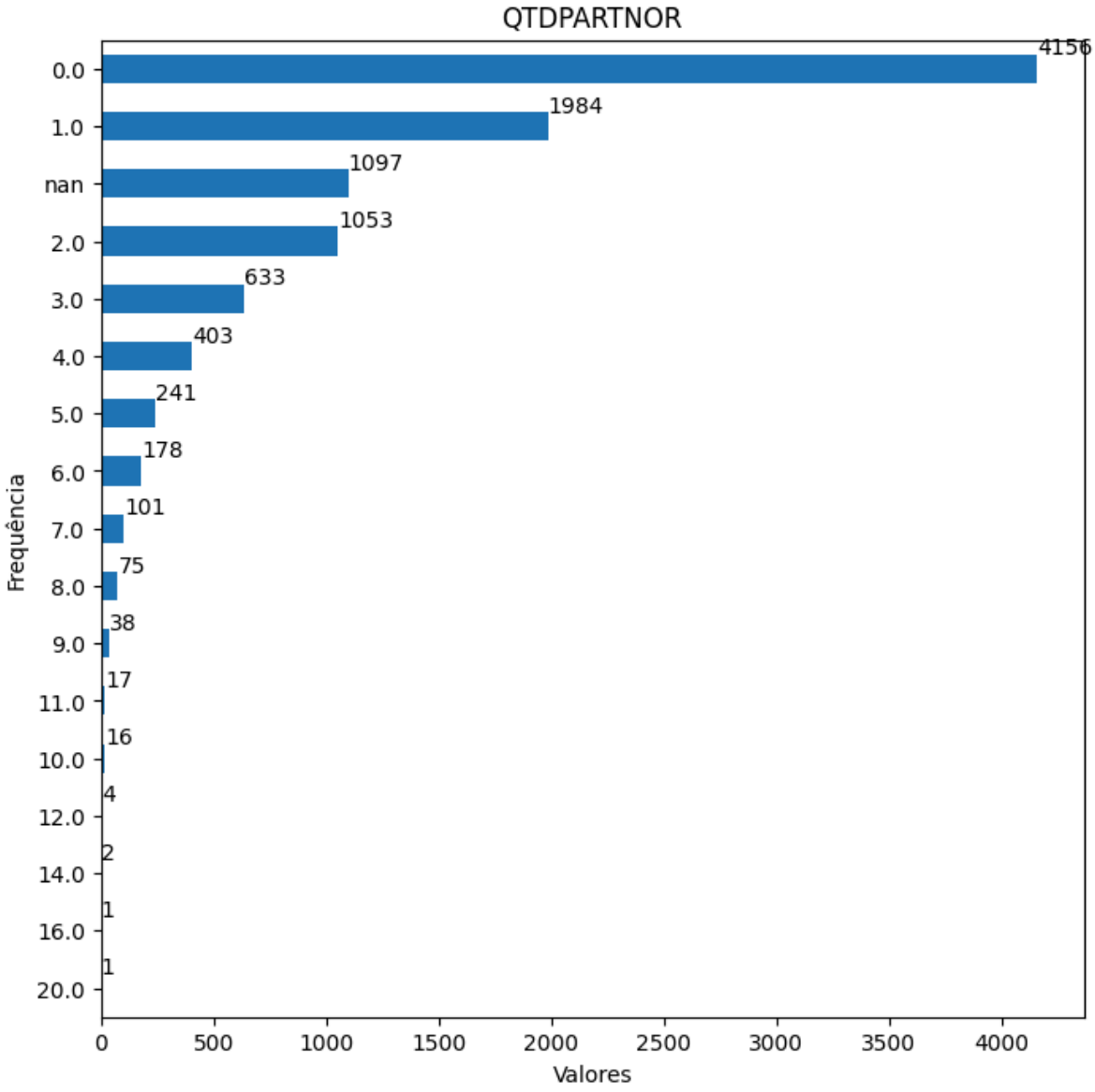
2500
Valores


QTDPARTNOR
Frequência
Valores
0.0
1.0
nan
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
11.0
10.0
12.0
14.0
16.0
20.0
4156
1984
1097
1053
633
403
241
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38
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1000
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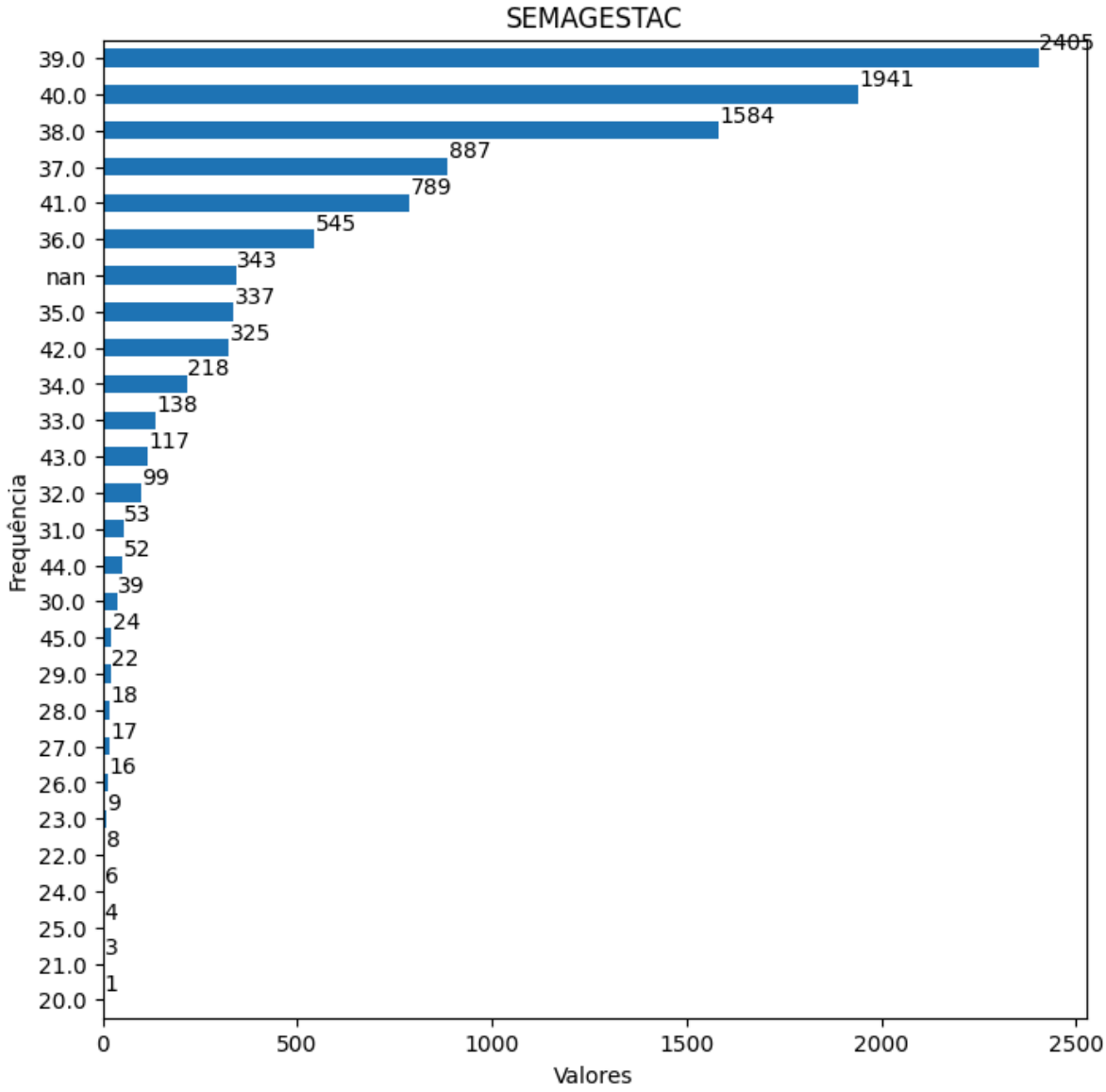
3500
4000


SEMAGESTAC
Frequência
Valores
39.0
40.0
38.0
37.0
41.0
36.0
nan
35.0
42.0
34.0
33.0
43.0
32.0
31.0
44.0
30.0
45.0
29.0
28.0
27.0
26.0
23.0
22.0
24.0
25.0
21.0
20.0
2405
1941
1584
887
789
545
343
337
325
218
138
117
99
53
52
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24
22
18
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16
9
8
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1
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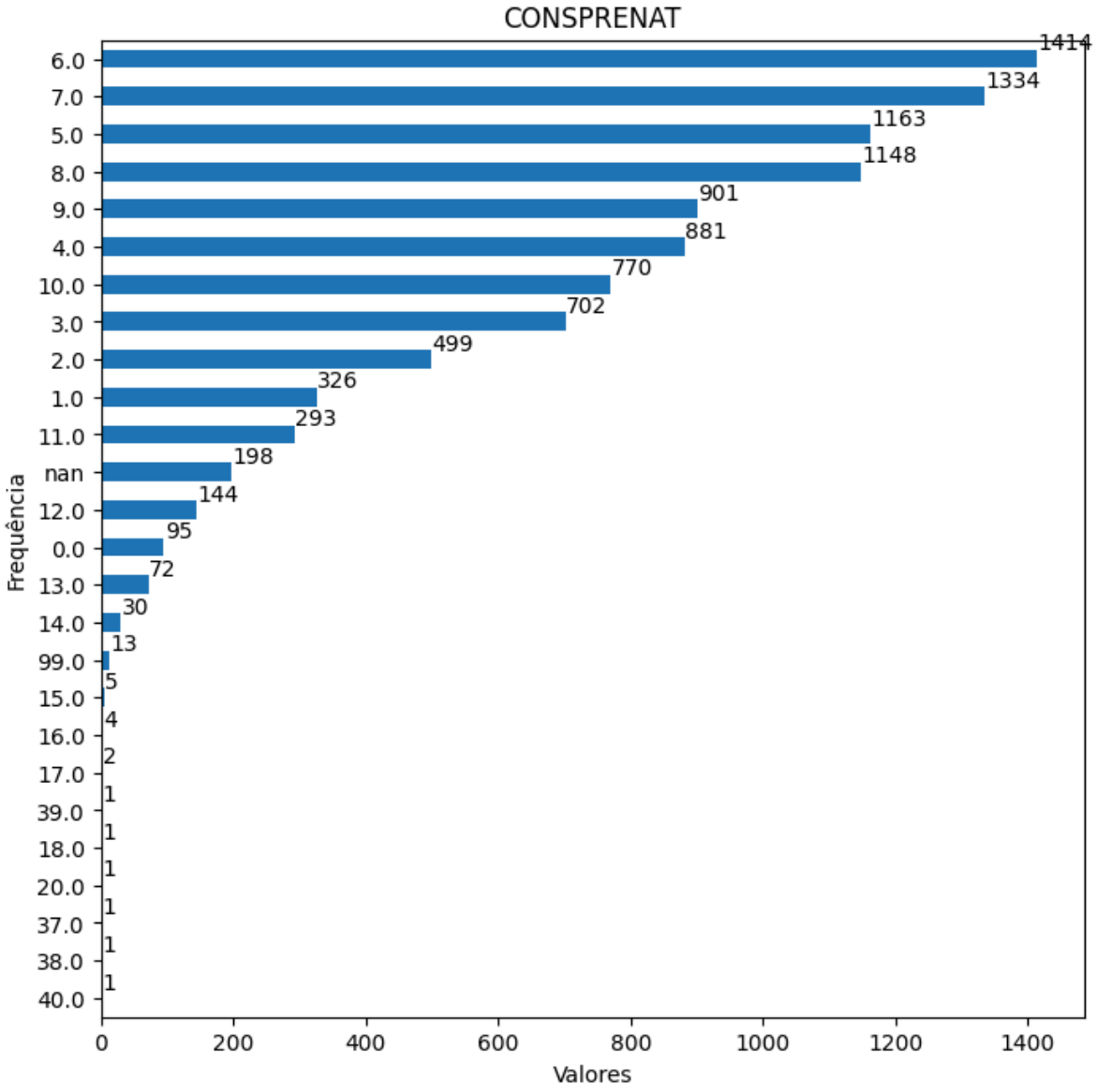
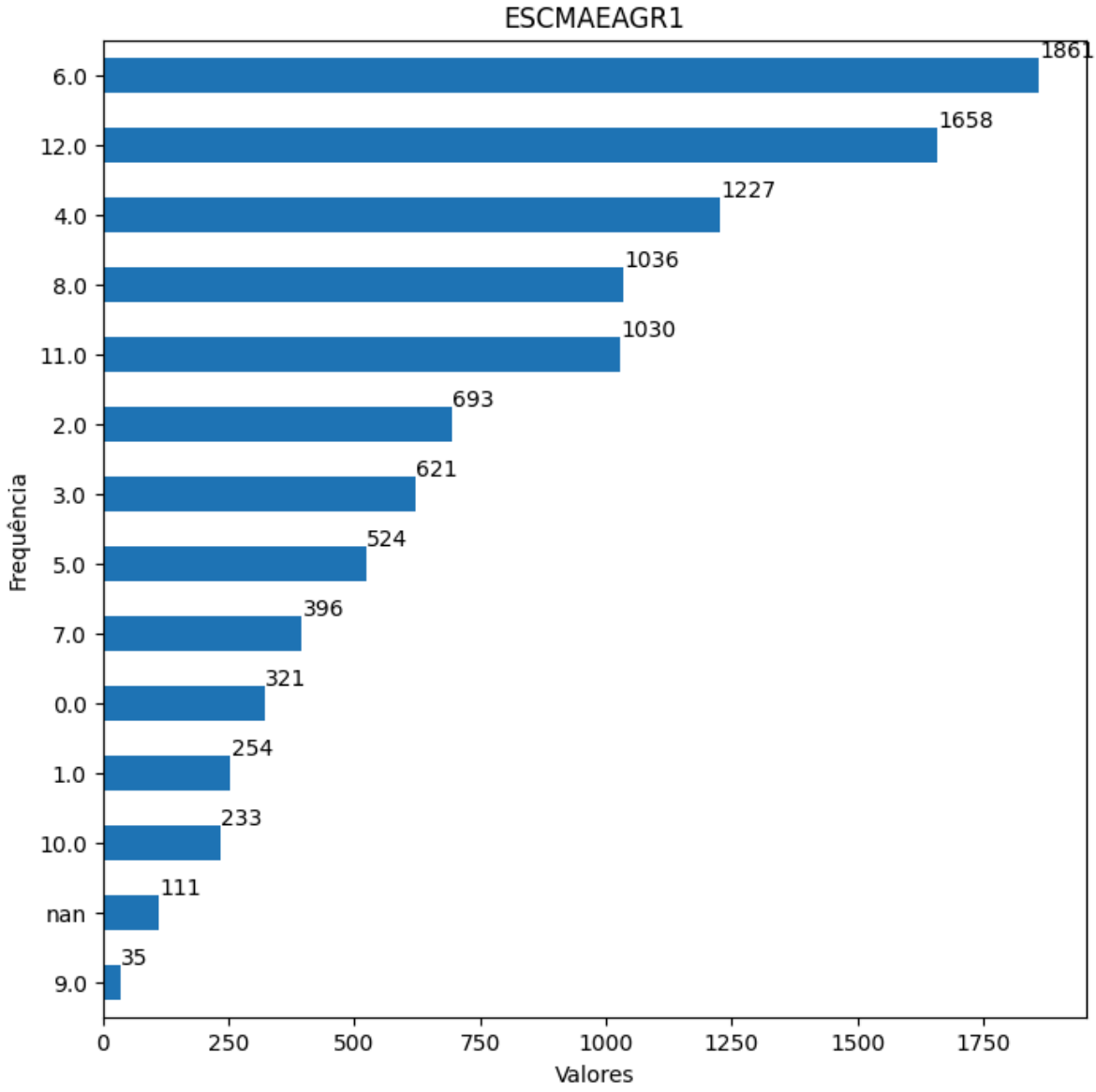
1500
2000
2500


CONSPRENAT
Frequência
Valores
6.0 1414
7.0 1334
5.0 1163
8.0 1148
9.0 901
4.0 881
10.0 770
3.0 702
2.0 499
1.0 326
11.0 293
nan 198
12.0 144
0.0 95
13.0 72
14.0 30
99.0 13
15.0 5
16.0 4
17.0 2
39.0 1
18.0 1
20.0 1
37.0 1
38.0 1
40.0 1
0 200 400 600 800 1000 1200 1400



VALORES ÚNICOS

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47	STCESPARTO	4
48	TPNASCASSI	5
49	TPFUNCRESP	5
50	TPDOCRESP	6
51	DTDECLARAC	421
52	ESCMAEAGR1	13
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54	STDNNOVA	1
55	CODPAISRES	1
56	TPROBSON	11
57	PARIDADE	2
58	KOTELCHUCK	6
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TABELA DE FREQUÊNCIA

ORIGEM	Frequência Absoluta	Frequência Relativa
ORIGEM		
1	10000	100.00%

CODESTAB	Frequência Absoluta	Frequência Relativa
CODESTAB		
2000296.0	2602	26.02%
2000733.0	2372	23.72%
2002078.0	1623	16.23%
2001500.0	882	8.82%
2000636.0	616	6.16%
2000121.0	549	5.49%
NaN	482	4.82%
2000865.0	227	2.27%
2001594.0	109	1.09%
2000970.0	87	0.87%
2000083.0	84	0.84%
5661714.0	70	0.70%
2001020.0	68	0.68%
2000393.0	44	0.44%
5353947.0	38	0.38%
2000997.0	33	0.33%
2000024.0	26	0.26%
5858208.0	25	0.25%
2000725.0	23	0.23%
6497314.0	17	0.17%
5701929.0	11	0.11%
2000822.0	3	0.03%
6205224.0	2	0.02%
2519356.0	1	0.01%
3590992.0	1	0.01%
3970442.0	1	0.01%
2001071.0	1	0.01%
2000954.0	1	0.01%
9194258.0	1	0.01%
2516284.0	1	0.01%

CODMUNNASC	Frequência Absoluta	Frequência Relativa
CODMUNNASC		
120040	4020	40.20%
120020	2634	26.34%
120010	888	8.88%
120030	693	6.93%
120060	605	6.05%
120050	235	2.35%
120035	185	1.85%
120034	140	1.40%
120032	117	1.17%
120033	96	0.96%
120005	91	0.91%
120039	89	0.89%
120070	47	0.47%
120043	40	0.40%
120038	36	0.36%
120042	31	0.31%
120045	24	0.24%
120001	14	0.14%
110020	5	0.05%
120025	4	0.04%
120017	2	0.02%
420730	1	0.01%
110015	1	0.01%
354880	1	0.01%
520870	1	0.01%

LOCNASC	Frequência Absoluta	Frequência Relativa
LOCNASC		
1	9286	92.86%
3	247	2.47%
2	232	2.32%
5	166	1.66%
4	44	0.44%
9	25	0.25%

IDADEMAE	Frequência Absoluta	Frequência Relativa
IDADEMAE		
20.0	595	5.95%
19.0	571	5.71%
22.0	562	5.62%
18.0	556	5.56%
21.0	554	5.54%
24.0	503	5.03%
17.0	498	4.98%
23.0	497	4.97%
26.0	439	4.39%
25.0	428	4.28%
28.0	410	4.10%
27.0	403	4.03%
30.0	396	3.96%
16.0	381	3.81%
31.0	358	3.58%
29.0	354	3.54%
32.0	299	2.99%
33.0	282	2.82%
34.0	268	2.68%
15.0	263	2.63%
35.0	252	2.52%
36.0	218	2.18%
37.0	198	1.98%
39.0	149	1.49%
38.0	148	1.48%
40.0	108	1.08%
14.0	98	0.98%
41.0	68	0.68%
42.0	48	0.48%
13.0	28	0.28%
43.0	20	0.20%
44.0	16	0.16%
45.0	11	0.11%
12.0	6	0.06%
46.0	5	0.05%

IDADEMAE	Frequência Absoluta	Frequência Relativa
IDADEMAE		
48.0	3	0.03%
11.0	3	0.03%
47.0	1	0.01%
50.0	1	0.01%
56.0	1	0.01%
NaN	1	0.01%

ESTCIVMAE	Frequência Absoluta	Frequência Relativa
ESTCIVMAE		
5.0	5243	52.43%
1.0	2449	24.49%
2.0	2039	20.39%
9.0	94	0.94%
NaN	91	0.91%
4.0	64	0.64%
3.0	20	0.20%

ESCMAE	Frequência Absoluta	Frequência Relativa
ESCMAE		
4.0	5289	52.89%
3.0	2363	23.63%
5.0	1445	14.45%
2.0	495	4.95%
1.0	334	3.34%
NaN	38	0.38%
9.0	36	0.36%

QTDFILVIVO	Frequência Absoluta	Frequência Relativa
QTDFILVIVO		
0.0	3010	30.10%
1.0	2751	27.51%
2.0	1528	15.28%
3.0	802	8.02%
NaN	718	7.18%
4.0	460	4.60%
5.0	273	2.73%
6.0	191	1.91%
7.0	109	1.09%
8.0	84	0.84%
9.0	32	0.32%
10.0	21	0.21%
11.0	16	0.16%
12.0	2	0.02%
14.0	2	0.02%
16.0	1	0.01%

QTDFILMORT	Frequência Absoluta	Frequência Relativa
QTDFILMORT		
0.0	6665	66.65%
NaN	1501	15.01%
1.0	1431	14.31%
2.0	312	3.12%
3.0	70	0.70%
4.0	13	0.13%
5.0	5	0.05%
6.0	3	0.03%

CODMUNRES	Frequência Absoluta	Frequência Relativa
CODMUNRES		
120040	2915	29.15%
120020	1680	16.80%
120030	741	7.41%
120060	605	6.05%
120010	501	5.01%
120033	419	4.19%
120035	333	3.33%
120042	318	3.18%
120050	315	3.15%
120025	269	2.69%
120039	224	2.24%
120034	201	2.01%
120005	201	2.01%
120070	198	1.98%
120045	192	1.92%
120080	182	1.82%
120032	163	1.63%
120038	160	1.60%
120013	116	1.16%
120001	112	1.12%
120017	89	0.89%
120043	66	0.66%

GESTACAO	Frequência Absoluta	Frequência Relativa
GESTACAO		
5.0	7606	76.06%
4.0	1337	13.37%
6.0	518	5.18%
NaN	343	3.43%
3.0	132	1.32%
2.0	60	0.60%
1.0	4	0.04%

GRAVIDEZ	Frequência Absoluta	Frequência Relativa
GRAVIDEZ		
1.0	9790	97.90%
2.0	196	1.96%
NaN	9	0.09%
9.0	4	0.04%
3.0	1	0.01%

PARTO	Frequência Absoluta	Frequência Relativa
PARTO		
1.0	5492	54.92%
2.0	4496	44.96%
NaN	8	0.08%
9.0	4	0.04%

CONSULTAS	Frequência Absoluta	Frequência Relativa
CONSULTAS		
4	4743	47.43%
3	3482	34.82%
2	1537	15.37%
1	225	2.25%
9	13	0.13%

SEXO	Frequência Absoluta	Frequência Relativa
SEXO		
1	5140	51.40%
2	4860	48.60%

APGAR1	Frequência Absoluta	Frequência Relativa
APGAR1		
8.0	4823	48.23%
9.0	3616	36.16%
7.0	596	5.96%
NaN	438	4.38%
6.0	178	1.78%
10.0	114	1.14%
5.0	91	0.91%
3.0	55	0.55%
4.0	45	0.45%
2.0	31	0.31%
1.0	11	0.11%
0.0	2	0.02%

APGAR5	Frequência Absoluta	Frequência Relativa
APGAR5		
9.0	5022	50.22%
10.0	3873	38.73%
8.0	450	4.50%
NaN	441	4.41%
7.0	103	1.03%
6.0	45	0.45%
5.0	32	0.32%
3.0	11	0.11%
1.0	8	0.08%
4.0	8	0.08%
2.0	4	0.04%
0.0	3	0.03%

RACACOR	Frequência Absoluta	Frequência Relativa
RACACOR		
4.0	8546	85.46%
5.0	497	4.97%
1.0	460	4.60%
NaN	268	2.68%
2.0	161	1.61%
3.0	68	0.68%

IDANOMAL	Frequência Absoluta	Frequência Relativa
IDANOMAL		
2.0	9396	93.96%
NaN	392	3.92%
9.0	158	1.58%
1.0	54	0.54%

CODANOMAL CODANOMAL	Frequência Absoluta	Frequência Relativa
NaN	9946	99.46%
Q170	5	0.05%
Q699	5	0.05%
Q690	3	0.03%
Q909	3	0.03%
Q900	2	0.02%
Q660	2	0.02%
Q668	1	0.01%
Q668Q670Q681	1	0.01%
Q670	1	0.01%
Q675	1	0.01%
Q681	1	0.01%
Q700	1	0.01%
Q690Q692	1	0.01%
Q665	1	0.01%
Q713	1	0.01%
Q714	1	0.01%
Q743	1	0.01%
Q793	1	0.01%
Q878	1	0.01%
Q666	1	0.01%
Q000	1	0.01%
Q664	1	0.01%
Q375	1	0.01%
Q160	1	0.01%
Q170Q172	1	0.01%
Q172	1	0.01%
Q174Q749Q898	1	0.01%
Q211Q250Q909	1	0.01%
Q353Q870	1	0.01%
Q359Q379	1	0.01%
Q422	1	0.01%
Q039	1	0.01%
Q423	1	0.01%
Q525	1	0.01%

CODANOMAL CODANOMAL	Frequência Absoluta	Frequência Relativa
Q541	1	0.01%
Q543Q793	1	0.01%
Q564	1	0.01%
Q620Q621	1	0.01%
Q620Q642	1	0.01%
Q660Q870	1	0.01%

VERSAOSIST VERSAOSIST	Frequência Absoluta	Frequência Relativa
3.2.01	8752	87.52%
3.2.50	924	9.24%
NaN	203	2.03%
3.2.02	84	0.84%
3.2.00	37	0.37%

NATURALMAE	Frequência Absoluta	Frequência Relativa
NATURALMAE		
812.0	9148	91.48%
813.0	423	4.23%
811.0	144	1.44%
NaN	121	1.21%
851.0	21	0.21%
831.0	16	0.16%
815.0	15	0.15%
835.0	14	0.14%
841.0	13	0.13%
823.0	12	0.12%
829.0	11	0.11%
833.0	10	0.10%
821.0	9	0.09%
814.0	6	0.06%
825.0	6	0.06%
850.0	6	0.06%
852.0	6	0.06%
842.0	4	0.04%
824.0	3	0.03%
832.0	3	0.03%
826.0	2	0.02%
827.0	2	0.02%
853.0	2	0.02%
817.0	1	0.01%
822.0	1	0.01%
843.0	1	0.01%

CODUFNATU	Frequência Absoluta	Frequência Relativa
CODUFNATU		
12.0	9148	91.48%
13.0	423	4.23%
11.0	144	1.44%
NaN	121	1.21%
51.0	21	0.21%
31.0	16	0.16%
15.0	15	0.15%
35.0	14	0.14%
41.0	13	0.13%
23.0	12	0.12%
29.0	11	0.11%
33.0	10	0.10%
21.0	9	0.09%
14.0	6	0.06%
25.0	6	0.06%
50.0	6	0.06%
52.0	6	0.06%
42.0	4	0.04%
24.0	3	0.03%
32.0	3	0.03%
26.0	2	0.02%
27.0	2	0.02%
53.0	2	0.02%
17.0	1	0.01%
22.0	1	0.01%
43.0	1	0.01%

ESCMAE2010	Frequência Absoluta	Frequência Relativa
ESCMAE2010		
3.0	4043	40.43%
2.0	2878	28.78%
1.0	1180	11.80%
5.0	1036	10.36%
4.0	396	3.96%
0.0	321	3.21%
NaN	111	1.11%
9.0	35	0.35%

SERIESCMAE	Frequência Absoluta	Frequência Relativa
SERIESCMAE		
NaN	4820	48.20%
3.0	1954	19.54%
8.0	1227	12.27%
4.0	693	6.93%
2.0	350	3.50%
1.0	335	3.35%
5.0	288	2.88%
6.0	178	1.78%
7.0	155	1.55%

RACACORMAE	Frequência Absoluta	Frequência Relativa
RACACORMAE		
4.0	8499	84.99%
5.0	478	4.78%
1.0	454	4.54%
NaN	341	3.41%
2.0	160	1.60%
3.0	68	0.68%

QTDGESTANT	Frequência Absoluta	Frequência Relativa
QTDGESTANT		
0.0	2742	27.42%
1.0	2624	26.24%
2.0	1597	15.97%
3.0	941	9.41%
NaN	685	6.85%
4.0	520	5.20%
5.0	323	3.23%
6.0	229	2.29%
7.0	136	1.36%
8.0	85	0.85%
9.0	47	0.47%
10.0	29	0.29%
11.0	23	0.23%
12.0	12	0.12%
14.0	3	0.03%
13.0	2	0.02%
16.0	1	0.01%
17.0	1	0.01%

QTDPARTNOR	Frequência Absoluta	Frequência Relativa
QTDPARTNOR		
0.0	4156	41.56%
1.0	1984	19.84%
NaN	1097	10.97%
2.0	1053	10.53%
3.0	633	6.33%
4.0	403	4.03%
5.0	241	2.41%
6.0	178	1.78%
7.0	101	1.01%
8.0	75	0.75%
9.0	38	0.38%
11.0	17	0.17%
10.0	16	0.16%
12.0	4	0.04%
14.0	2	0.02%
16.0	1	0.01%
20.0	1	0.01%

QTDPARTCES	Frequência Absoluta	Frequência Relativa
QTDPARTCES		
0.0	6473	64.73%
1.0	1483	14.83%
NaN	1440	14.40%
2.0	464	4.64%
3.0	120	1.20%
4.0	16	0.16%
7.0	2	0.02%
22.0	2	0.02%

SEMAGESTAC	Frequência Absoluta	Frequência Relativa
SEMAGESTAC		
39.0	2405	24.05%
40.0	1941	19.41%
38.0	1584	15.84%
37.0	887	8.87%
41.0	789	7.89%
36.0	545	5.45%
NaN	343	3.43%
35.0	337	3.37%
42.0	325	3.25%
34.0	218	2.18%
33.0	138	1.38%
43.0	117	1.17%
32.0	99	0.99%
31.0	53	0.53%
44.0	52	0.52%
30.0	39	0.39%
45.0	24	0.24%
29.0	22	0.22%
28.0	18	0.18%
27.0	17	0.17%
26.0	16	0.16%
23.0	9	0.09%
22.0	8	0.08%
24.0	6	0.06%
25.0	4	0.04%
21.0	3	0.03%
20.0	1	0.01%

TPMETESTIM	Frequência Absoluta	Frequência Relativa
TPMETESTIM		
8.0	8422	84.22%
1.0	599	5.99%
9.0	427	4.27%
NaN	343	3.43%
2.0	209	2.09%

CONSPRENAT	Frequência Absoluta	Frequência Relativa
CONSPRENAT		
6.0	1414	14.14%
7.0	1334	13.34%
5.0	1163	11.63%
8.0	1148	11.48%
9.0	901	9.01%
4.0	881	8.81%
10.0	770	7.70%
3.0	702	7.02%
2.0	499	4.99%
1.0	326	3.26%
11.0	293	2.93%
NaN	198	1.98%
12.0	144	1.44%
0.0	95	0.95%
13.0	72	0.72%
14.0	30	0.30%
99.0	13	0.13%
15.0	5	0.05%
16.0	4	0.04%
17.0	2	0.02%
18.0	1	0.01%
20.0	1	0.01%
37.0	1	0.01%
38.0	1	0.01%
39.0	1	0.01%
40.0	1	0.01%

MESPRENAT	Frequência Absoluta	Frequência Relativa
MESPRENAT		
2.0	2962	29.62%
3.0	2112	21.12%
1.0	1669	16.69%
4.0	1128	11.28%
5.0	804	8.04%
6.0	454	4.54%
NaN	281	2.81%
7.0	245	2.45%
8.0	157	1.57%
99.0	119	1.19%
9.0	69	0.69%

TPAPRESENT	Frequência Absoluta	Frequência Relativa
TPAPRESENT		
1.0	9012	90.12%
2.0	746	7.46%
9.0	131	1.31%
NaN	92	0.92%
3.0	19	0.19%

STTRABPART	Frequência Absoluta	Frequência Relativa
STTRABPART		
2.0	8558	85.58%
1.0	1048	10.48%
9.0	280	2.80%
NaN	114	1.14%

STCESPARTO	Frequência Absoluta	Frequência Relativa
STCESPARTO		
3.0	5496	54.96%
2.0	3133	31.33%
1.0	925	9.25%
9.0	421	4.21%
NaN	25	0.25%

TPNASCASSI	Frequência Absoluta	Frequência Relativa
TPNASCASSI		
1.0	7239	72.39%
2.0	2202	22.02%
3.0	255	2.55%
4.0	201	2.01%
NaN	87	0.87%
9.0	16	0.16%

TPFUNCRESP	Frequência Absoluta	Frequência Relativa
TPFUNCRESP		
2.0	7443	74.43%
5.0	2292	22.92%
4.0	157	1.57%
NaN	89	0.89%
1.0	17	0.17%
3.0	2	0.02%

TPDOCRESP	Frequência Absoluta	Frequência Relativa
TPDOCRESP		
4.0	5318	53.18%
3.0	4308	43.08%
5.0	241	2.41%
NaN	77	0.77%
0.0	49	0.49%
1.0	5	0.05%
2.0	2	0.02%

ESCMAEAGR1	Frequência Absoluta	Frequência Relativa
ESCMAEAGR1		
6.0	1861	18.61%
12.0	1658	16.58%
4.0	1227	12.27%
8.0	1036	10.36%
11.0	1030	10.30%
2.0	693	6.93%
3.0	621	6.21%
5.0	524	5.24%
7.0	396	3.96%
0.0	321	3.21%
1.0	254	2.54%
10.0	233	2.33%
NaN	111	1.11%
9.0	35	0.35%

STDNEPIDEM	Frequência Absoluta	Frequência Relativa
STDNEPIDEM		
0	10000	100.00%

STDNNOVA	Frequência Absoluta	Frequência Relativa
STDNNOVA		
1	10000	100.00%

CODPAISRES	Frequência Absoluta	Frequência Relativa
CODPAISRES		
1.0	9997	99.97%
NaN	3	0.03%

TPROBSON	Frequência Absoluta	Frequência Relativa
TPROBSON		
3	2978	29.78%
1	2016	20.16%
5	1448	14.48%
10	1235	12.35%
11	516	5.16%
4	499	4.99%
7	434	4.34%
2	414	4.14%
6	247	2.47%
8	194	1.94%
9	19	0.19%

PARIDADE	Frequência Absoluta	Frequência Relativa
PARIDADE		
1	6685	66.85%
0	3315	33.15%

KOTELCHUCK	Frequência Absoluta	Frequência Relativa
KOTELCHUCK		
5	4120	41.20%
2	3082	30.82%
3	1328	13.28%
4	1059	10.59%
9	316	3.16%
1	95	0.95%

```
  File "<ipython-input-2-d828b3dc083e>", line 1
    <h1>DESCRITIVA</h1>
    ^
SyntaxError: invalid syntax
```

```
[NbConvertApp] WARNING | pattern 'DESCRITIVA_CURADORIA.ipynb' matched no files
This application is used to convert notebook files (*.ipynb)
        to various other formats.

        WARNING: THE COMMANDLINE INTERFACE MAY CHANGE IN FUTURE RELEASES.

Options
=======
The options below are convenience aliases to configurable class-options,
as listed in the "Equivalent to" description-line of the aliases.
To see all configurable class-options for some <cmd>, use:
    <cmd> --help-all

--debug
    set log level to logging.DEBUG (maximize logging output)
    Equivalent to: [--Application.log_level=10]
--show-config
    Show the application's configuration (human-readable format)
    Equivalent to: [--Application.show_config=True]
--show-config-json
    Show the application's configuration (json format)
    Equivalent to: [--Application.show_config_json=True]
--generate-config
    generate default config file
    Equivalent to: [--JupyterApp.generate_config=True]
-y
    Answer yes to any questions instead of prompting.
    Equivalent to: [--JupyterApp.answer_yes=True]
--execute
    Execute the notebook prior to export.
    Equivalent to: [--ExecutePreprocessor.enabled=True]
--allow-errors
    Continue notebook execution even if one of the cells throws an error and inclu
de the error message in the cell output (the default behaviour is to abort convers
ion). This flag is only relevant if '--execute' was specified, too.
    Equivalent to: [--ExecutePreprocessor.allow_errors=True]
--stdin
    read a single notebook file from stdin. Write the resulting notebook with defa
ult basename 'notebook.*'
    Equivalent to: [--NbConvertApp.from_stdin=True]
--stdout
    Write notebook output to stdout instead of files.
    Equivalent to: [--NbConvertApp.writer_class=StdoutWriter]
--inplace
    Run nbconvert in place, overwriting the existing notebook (only
            relevant when converting to notebook format)
    Equivalent to: [--NbConvertApp.use_output_suffix=False --NbConvertApp.export_f
ormat=notebook --FilesWriter.build_directory=]
--clear-output
    Clear output of current file and save in place,
            overwriting the existing notebook.
    Equivalent to: [--NbConvertApp.use_output_suffix=False --NbConvertApp.export_f
ormat=notebook --FilesWriter.build_directory= --ClearOutputPreprocessor.enabled=Tr
ue]
--no-prompt
    Exclude input and output prompts from converted document.
    Equivalent to: [--TemplateExporter.exclude_input_prompt=True --TemplateExporte
r.exclude_output_prompt=True]
--no-input
    Exclude input cells and output prompts from converted document.
            This mode is ideal for generating code-free reports.
    Equivalent to: [--TemplateExporter.exclude_output_prompt=True --TemplateExport
er.exclude_input=True --TemplateExporter.exclude_input_prompt=True]
```

```
--allow-chromium-download
    Whether to allow downloading chromium if no suitable version is found on the s
ystem.
    Equivalent to: [--WebPDFExporter.allow_chromium_download=True]
--disable-chromium-sandbox
    Disable chromium security sandbox when converting to PDF..
    Equivalent to: [--WebPDFExporter.disable_sandbox=True]
--show-input
    Shows code input. This flag is only useful for dejavu users.
    Equivalent to: [--TemplateExporter.exclude_input=False]
--embed-images
    Embed the images as base64 dataurls in the output. This flag is only useful fo
r the HTML/WebPDF/Slides exports.
    Equivalent to: [--HTMLExporter.embed_images=True]
--sanitize-html
    Whether the HTML in Markdown cells and cell outputs should be sanitized..
    Equivalent to: [--HTMLExporter.sanitize_html=True]
--log-level=<Enum>
    Set the log level by value or name.
    Choices: any of [0, 10, 20, 30, 40, 50, 'DEBUG', 'INFO', 'WARN', 'ERROR', 'CRI
TICAL']
    Default: 30
    Equivalent to: [--Application.log_level]
--config=<Unicode>
    Full path of a config file.
    Default: ''
    Equivalent to: [--JupyterApp.config_file]
--to=<Unicode>
    The export format to be used, either one of the built-in formats
            ['asciidoc', 'custom', 'html', 'latex', 'markdown', 'notebook', 'pdf',
'python', 'rst', 'script', 'slides', 'webpdf']
            or a dotted object name that represents the import path for an
            ``Exporter`` class
    Default: ''
    Equivalent to: [--NbConvertApp.export_format]
--template=<Unicode>
    Name of the template to use
    Default: ''
    Equivalent to: [--TemplateExporter.template_name]
--template-file=<Unicode>
    Name of the template file to use
    Default: None
    Equivalent to: [--TemplateExporter.template_file]
--theme=<Unicode>
    Template specific theme(e.g. the name of a JupyterLab CSS theme distributed
    as prebuilt extension for the lab template)
    Default: 'light'
    Equivalent to: [--HTMLExporter.theme]
--sanitize_html=<Bool>
    Whether the HTML in Markdown cells and cell outputs should be sanitized.This
    should be set to True by nbviewer or similar tools.
    Default: False
    Equivalent to: [--HTMLExporter.sanitize_html]
--writer=<DottedObjectName>
    Writer class used to write the
                                        results of the conversion
    Default: 'FilesWriter'
    Equivalent to: [--NbConvertApp.writer_class]
--post=<DottedOrNone>
    PostProcessor class used to write the
                                        results of the conversion
    Default: ''
    Equivalent to: [--NbConvertApp.postprocessor_class]
--output=<Unicode>
```

```
    overwrite base name use for output files.
                can only be used when converting one notebook at a time.
    Default: ''
    Equivalent to: [--NbConvertApp.output_base]
--output-dir=<Unicode>
    Directory to write output(s) to. Defaults
                                    to output to the directory of each notebook. To
recover
                                    previous default behaviour (outputting to the cu
rrent
                                    working directory) use . as the flag value.
    Default: ''
    Equivalent to: [--FilesWriter.build_directory]
--reveal-prefix=<Unicode>
    The URL prefix for reveal.js (version 3.x).
            This defaults to the reveal CDN, but can be any url pointing to a copy
            of reveal.js.
            For speaker notes to work, this must be a relative path to a local
            copy of reveal.js: e.g., "reveal.js".
            If a relative path is given, it must be a subdirectory of the
            current directory (from which the server is run).
            See the usage documentation
            (https://nbconvert.readthedocs.io/en/latest/usage.html#reveal-js-html-
slideshow)
            for more details.
    Default: ''
    Equivalent to: [--SlidesExporter.reveal_url_prefix]
--nbformat=<Enum>
    The nbformat version to write.
            Use this to downgrade notebooks.
    Choices: any of [1, 2, 3, 4]
    Default: 4
    Equivalent to: [--NotebookExporter.nbformat_version]

Examples
--------

    The simplest way to use nbconvert is

            > jupyter nbconvert mynotebook.ipynb --to html

            Options include ['asciidoc', 'custom', 'html', 'latex', 'markdown', 'n
otebook', 'pdf', 'python', 'rst', 'script', 'slides', 'webpdf'].

            > jupyter nbconvert --to latex mynotebook.ipynb

            Both HTML and LaTeX support multiple output templates. LaTeX includes
            'base', 'article' and 'report'.  HTML includes 'basic', 'lab' and
            'classic'. You can specify the flavor of the format used.

            > jupyter nbconvert --to html --template lab mynotebook.ipynb

            You can also pipe the output to stdout, rather than a file

            > jupyter nbconvert mynotebook.ipynb --stdout

            PDF is generated via latex

            > jupyter nbconvert mynotebook.ipynb --to pdf

            You can get (and serve) a Reveal.js-powered slideshow

            > jupyter nbconvert myslides.ipynb --to slides --post serve
```

```
                Multiple notebooks can be given at the command line in a couple of
                different ways:

                > jupyter nbconvert notebook*.ipynb
                > jupyter nbconvert notebook1.ipynb notebook2.ipynb

                or you can specify the notebooks list in a config file, containing::

                    c.NbConvertApp.notebooks = ["my_notebook.ipynb"]

                > jupyter nbconvert --config mycfg.py

To see all available configurables, use `--help-all`.
```