relatorio_data_3000_tratamento

February 14, 2023

```python
import pandas as pd
import numpy as np
```

```python
data_hora = pd.read_excel('C:
↪\\Users\\Riallen\\Documents\\Print_de_telas\\data2\\odds_hora1.xlsx')
data_hora['Data_Hora_Aposta'] = pd.to_datetime(data_hora['Time_Odds'])
data_hora['Date_Aposta'] = data_hora['Data_Hora_Aposta'].dt.date
data_hora['Hora_Aposta'] = data_hora['Data_Hora_Aposta'].dt.strftime('%H:%M:%S')
#data_hora.rename(columns={'03:55:45': ''}, inplace=True)
#print(data_hora)
#print(len(data_hora))
#t = len(data_hora)
#for i in range(0,t):
#    print(data_hora['Hora_Aposta'][i])
#    print(type(data_hora['Hora_Aposta'][i]))
#data_hora.dtypes
data_hora.head(10)
```

```
                 Time_Odds     Data_Hora_Aposta Date_Aposta Hora_Aposta
0  Mon Feb 13 09:34:18 2023  2023-02-13 09:34:18  2023-02-13    09:34:18
1  Mon Feb 13 09:34:36 2023  2023-02-13 09:34:36  2023-02-13    09:34:36
2  Mon Feb 13 09:35:07 2023  2023-02-13 09:35:07  2023-02-13    09:35:07
3  Mon Feb 13 09:35:42 2023  2023-02-13 09:35:42  2023-02-13    09:35:42
4  Mon Feb 13 09:36:01 2023  2023-02-13 09:36:01  2023-02-13    09:36:01
5  Mon Feb 13 09:36:16 2023  2023-02-13 09:36:16  2023-02-13    09:36:16
6  Mon Feb 13 09:36:35 2023  2023-02-13 09:36:35  2023-02-13    09:36:35
7  Mon Feb 13 09:36:59 2023  2023-02-13 09:36:59  2023-02-13    09:36:59
8  Mon Feb 13 09:37:59 2023  2023-02-13 09:37:59  2023-02-13    09:37:59
9  Mon Feb 13 09:38:52 2023  2023-02-13 09:38:52  2023-02-13    09:38:52
```

```python
data_hora["hour"] = data_hora['Hora_Aposta'].str.replace(":.+", "", regex=True).
↪astype("int")
```

```python
data_hora
```

```
                  Time_Odds     Data_Hora_Aposta Date_Aposta Hora_Aposta  \
0     Mon Feb 13 09:34:18 2023  2023-02-13 09:34:18  2023-02-13    09:34:18
1     Mon Feb 13 09:34:36 2023  2023-02-13 09:34:36  2023-02-13    09:34:36
```

```
2      Mon Feb 13 09:35:07 2023 2023-02-13 09:35:07   2023-02-13      09:35:07
3      Mon Feb 13 09:35:42 2023 2023-02-13 09:35:42   2023-02-13      09:35:42
4      Mon Feb 13 09:36:01 2023 2023-02-13 09:36:01   2023-02-13      09:36:01
...                          ...                    ...          ...         ...
3300   Tue Feb 14 09:28:47 2023 2023-02-14 09:28:47   2023-02-14      09:28:47
3301   Tue Feb 14 09:29:04 2023 2023-02-14 09:29:04   2023-02-14      09:29:04
3302   Tue Feb 14 09:29:19 2023 2023-02-14 09:29:19   2023-02-14      09:29:19
3303   Tue Feb 14 09:29:44 2023 2023-02-14 09:29:44   2023-02-14      09:29:44
3304   Tue Feb 14 12:48:49 2023 2023-02-14 12:48:49   2023-02-14      12:48:49

       hour
0         9
1         9
2         9
3         9
4         9
...     ...
3300      9
3301      9
3302      9
3303      9
3304     12

[3305 rows x 5 columns]
```

```python
data_qtapost = pd.read_excel('C:
↪\\Users\\Riallen\\Documents\\Print_de_telas\\data2\\qt_apostadores1.xlsx')
data_qtapost.head()
t = len(data_qtapost)

for i in range(0,t):
    if data_qtapost['Qt_Apostadores'][i] // 100 == 0:
        print("Elemento: ", data_qtapost['Qt_Apostadores'][i])
        print("Indice: ", i)
        print("*-*-*-*"*12)
```

```
Elemento:  74
Indice:  220
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  7
Indice:  625
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  78
Indice:  821
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
```

```
Elemento:  74
Indice:  822
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  98
Indice:  829
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  92
Indice:  830
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  79
Indice:  831
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  71
Indice:  832
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  83
Indice:  834
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  72
Indice:  836
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  69
Indice:  837
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  80
Indice:  838
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  63
Indice:  839
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  62
Indice:  840
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  53
Indice:  841
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
```

```
Elemento:  53
Indice:  842
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  46
Indice:  843
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  68
Indice:  844
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  70
Indice:  845
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  69
Indice:  846
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  96
Indice:  923
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  7
Indice:  936
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  7
Indice:  996
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  42
Indice:  1633
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  77
Indice:  2256
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  50
Indice:  2279
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  77
Indice:  2407
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
```

```
Elemento:  74
Indice:  2574
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  74
Indice:  2650
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  74
Indice:  2924
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  7
Indice:  3192
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
```

```python
data_qtapost['Qt_Apostadores'][220] = 1771
data_qtapost['Qt_Apostadores'][625] = 1777
data_qtapost['Qt_Apostadores'][822] = 171
data_qtapost['Qt_Apostadores'][936] = 117
data_qtapost['Qt_Apostadores'][996] = 1715
data_qtapost['Qt_Apostadores'][2256] = 577
data_qtapost['Qt_Apostadores'][2279] = 850
data_qtapost['Qt_Apostadores'][2407] = 577
data_qtapost['Qt_Apostadores'][2574] = 1714
data_qtapost['Qt_Apostadores'][2650] = 1711
data_qtapost['Qt_Apostadores'][2924] = 1771
data_qtapost['Qt_Apostadores'][3192] = 1715
```

```python
data_qtapost.head()
t = len(data_qtapost)

for i in range(0,t):
    if data_qtapost['Qt_Apostadores'][i] // 100 == 0:
        print("Elemento: ", data_qtapost['Qt_Apostadores'][i])
        print("Indice: ", i)
        print("*-*-*-*"*12)
```

```
Elemento:  78
Indice:  821
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  98
Indice:  829
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  92
```

```
Indice:  830
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  79
Indice:  831
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  71
Indice:  832
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  83
Indice:  834
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  72
Indice:  836
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  69
Indice:  837
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  80
Indice:  838
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  63
Indice:  839
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  62
Indice:  840
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  53
Indice:  841
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  53
Indice:  842
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  46
Indice:  843
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  68
```

```
Indice:  844
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  70
Indice:  845
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  69
Indice:  846
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  96
Indice:  923
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
Elemento:  42
Indice:  1633
*-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-*-*-**-
*-*-*
```

```python
t = len(data_qtapost)

for i in range(0,t):
    if data_qtapost['Qt_Apostadores'][i] // 10000 >= 1:
        print("Elemento: ", data_qtapost['Qt_Apostadores'][i])
        print("Indice: ", i)
        print("*-"*12)
```

```
Elemento:  23135
Indice:  32
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  20943
Indice:  245
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  31710
Indice:  281
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  14143
Indice:  608
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  23135
Indice:  667
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  23135
Indice:  777
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  20943
Indice:  1052
```

```
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  39746
Indice:  1205
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  32746
Indice:  1496
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  31898
Indice:  1610
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  31710
Indice:  1868
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  20744
Indice:  1958
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  20943
Indice:  2003
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  14143
Indice:  2624
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  11343
Indice:  2737
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  14143
Indice:  2849
*-*-*-*-*-*-*-*-*-*-*-
Elemento:  20744
Indice:  3095
*-*-*-*-*-*-*-*-*-*-*-
```

```python
[ ]: data_qtapost['Qt_Apostadores'][32] = 2319
     data_qtapost['Qt_Apostadores'][245] = 2091
     data_qtapost['Qt_Apostadores'][281] = 3110
     data_qtapost['Qt_Apostadores'][608] = 1413
     data_qtapost['Qt_Apostadores'][667] = 2319
     data_qtapost['Qt_Apostadores'][777] = 2319
     data_qtapost['Qt_Apostadores'][1052] = 2091
     data_qtapost['Qt_Apostadores'][1205] = 3916
     data_qtapost['Qt_Apostadores'][1496] = 3216
     data_qtapost['Qt_Apostadores'][1610] = 3188
     data_qtapost['Qt_Apostadores'][1868] = 3110
     data_qtapost['Qt_Apostadores'][1958] = 2011
     data_qtapost['Qt_Apostadores'][2003] = 2091
     data_qtapost['Qt_Apostadores'][2624] = 1413
     data_qtapost['Qt_Apostadores'][2737] = 1113
```

```
data_qtapost['Qt_Apostadores'][2849] = 1413
data_qtapost['Qt_Apostadores'][3095] = 2011
```

```
t = len(data_qtapost)

for i in range(0,t):
    if data_qtapost['Qt_Apostadores'][i] // 10000 >= 1:
        print("Elemento: ", data_qtapost['Qt_Apostadores'][i])
        print("Indice: ", i)
        print("*-"*12)
```

```
data_qtapost
```

```
      Qt_Apostadores
0               1976
1               1930
2               2073
3               2104
4               2065
...              ...
3300            1922
3301            2137
3302            1793
3303            2003
3304            1835

[3305 rows x 1 columns]
```

```
data_odds = pd.read_excel("C:
  ↪\\Users\\Riallen\\Documents\\Print_de_telas\\data2\\odd.xlsx")
data_odds.head()
#data_odds.describe()
#data_odds.dtypes
```

```
   Odds
0  1.01
1  1.83
2  4.48
3  6.58
4  1.53
```

```
data_odds['Odds'].describe()
```

```
count    3305.000000
mean        7.014490
std        33.380596
min         1.000000
```

```
25%         1.290000
50%         1.960000
75%         3.930000
max       823.340000
Name: Odds, dtype: float64
```

[ ]:
```python
data_geral = pd.concat([data_odds, data_qtapost, data_hora], axis = 1)
data_geral
```

[ ]:
```
        Odds   Qt_Apostadores              Time_Odds      Data_Hora_Aposta  \
0       1.01             1976  Mon Feb 13 09:34:18 2023  2023-02-13 09:34:18
1       1.83             1930  Mon Feb 13 09:34:36 2023  2023-02-13 09:34:36
2       4.48             2073  Mon Feb 13 09:35:07 2023  2023-02-13 09:35:07
3       6.58             2104  Mon Feb 13 09:35:42 2023  2023-02-13 09:35:42
4       1.53             2065  Mon Feb 13 09:36:01 2023  2023-02-13 09:36:01
...      ...              ...                       ...                  ...
3300    2.03             1922  Tue Feb 14 09:28:47 2023  2023-02-14 09:28:47
3301    1.22             2137  Tue Feb 14 09:29:04 2023  2023-02-14 09:29:04
3302    1.01             1793  Tue Feb 14 09:29:19 2023  2023-02-14 09:29:19
3303    2.54             2003  Tue Feb 14 09:29:44 2023  2023-02-14 09:29:44
3304    1.27             1835  Tue Feb 14 12:48:49 2023  2023-02-14 12:48:49

      Date_Aposta Hora_Aposta  hour
0      2023-02-13    09:34:18     9
1      2023-02-13    09:34:36     9
2      2023-02-13    09:35:07     9
3      2023-02-13    09:35:42     9
4      2023-02-13    09:36:01     9
...           ...         ...   ...
3300   2023-02-14    09:28:47     9
3301   2023-02-14    09:29:04     9
3302   2023-02-14    09:29:19     9
3303   2023-02-14    09:29:44     9
3304   2023-02-14    12:48:49    12

[3305 rows x 7 columns]
```

[ ]:
```python
data_geral.to_excel('C:
\\Users\\Riallen\\Documents\\Print_de_telas\\data2\\data_geral.xlsx', index
= False)
```