relatorio_data_500_analise

February 14, 2023

[ ]:
```
import pandas as pd
import seaborn as srn
import numpy as np
from matplotlib import pyplot as plt
import statistics
```

[ ]:
```
data = pd.read_excel('C:
  ↪\\Users\\Riallen\\Documents\\Print_de_telas\\data1\\data_geral.xlsx')
data.head()
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour
0	3.54	597	03:55:45	2023-02-13	3
1	1.19	598	03:55:58	2023-02-13	3
2	2.58	535	03:56:20	2023-02-13	3
3	1.00	696	03:56:30	2023-02-13	3
4	2.60	648	03:56:53	2023-02-13	3

[ ]:
```
data['Odds'].describe()
```

[ ]:
```
count    501.000000
mean       9.654990
std       46.210931
min        1.000000
25%        1.350000
50%        2.080000
75%        4.140000
max      810.900000
Name: Odds, dtype: float64
```

[ ]:
```
data['Qt_Apostadores'].describe()
```

[ ]:
```
count     501.000000
mean     1291.864271
std       532.288532
min       114.000000
25%       782.000000
50%      1305.000000
75%      1692.000000
```

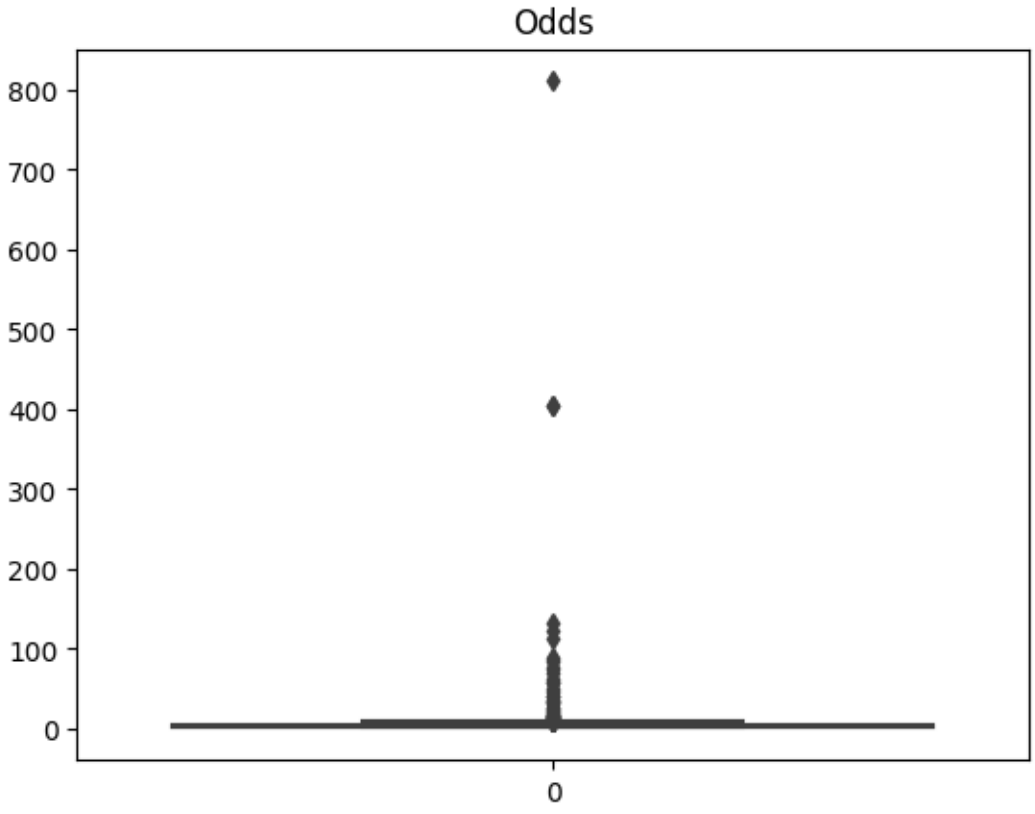
```
max      2626.000000
Name: Qt_Apostadores, dtype: float64
```

[ ]:
```
data['hour'].describe()
```

[ ]:
```
count    501.000000
mean       5.165669
std        1.074476
min        3.000000
25%        4.000000
50%        5.000000
75%        6.000000
max        7.000000
Name: hour, dtype: float64
```

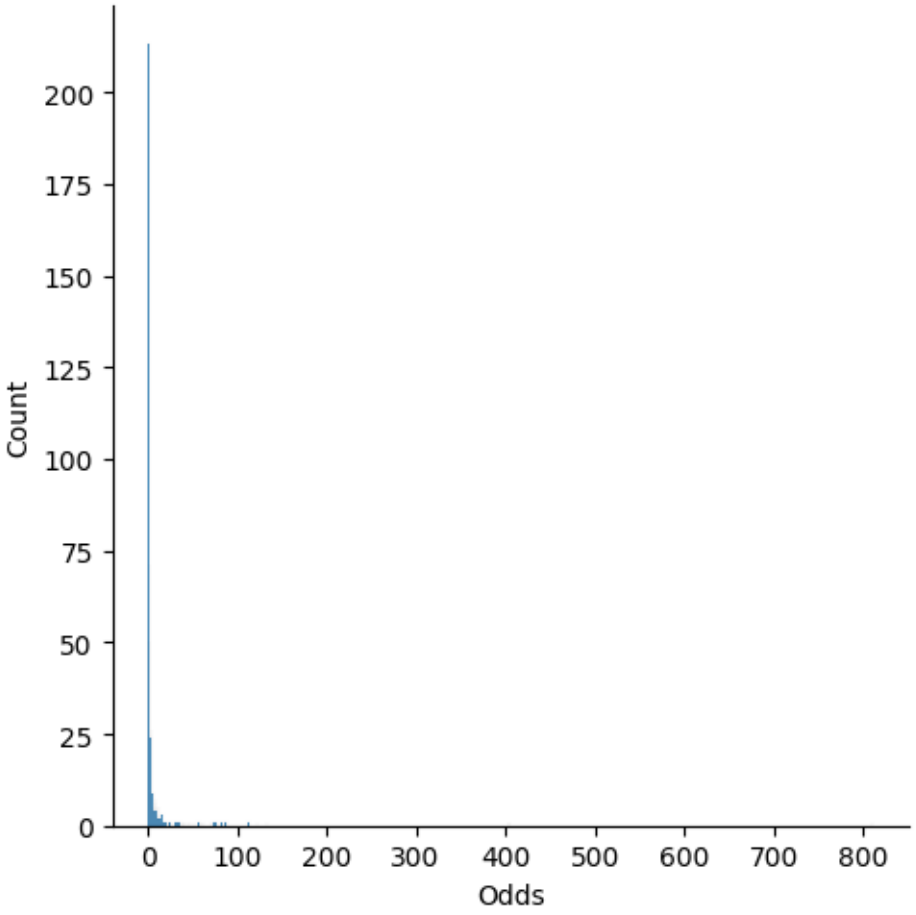
[ ]:
```
srn.boxplot(data['Odds']).set_title('Odds')
```

[ ]:
```
Text(0.5, 1.0, 'Odds')
```



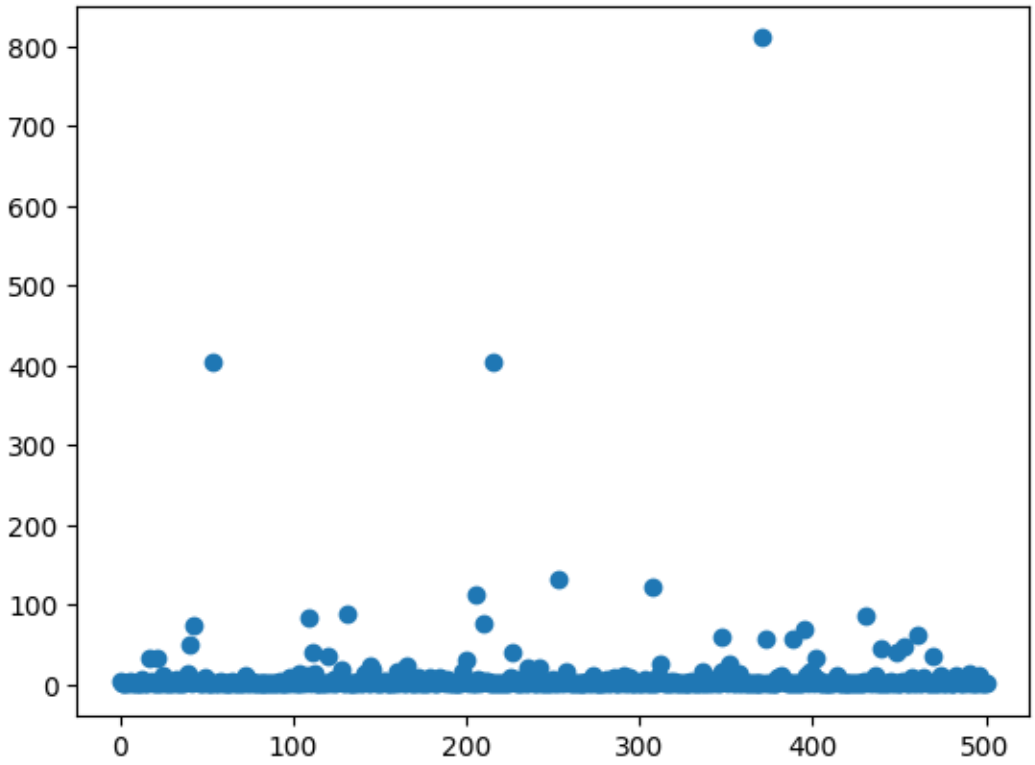
[ ]:
```
srn.displot(data['Odds'])
```

[ ]: <seaborn.axisgrid.FacetGrid at 0x1fff5dd6b60>



[ ]:
```
x = np.array(range(0,501,1))
y = np.array(data['Odds'])
plt.scatter(x,y)
```

[ ]: <matplotlib.collections.PathCollection at 0x1fff988df60>



[ ]:
```
moda = statistics.mode(y)
moda
```

[ ]:
```
1.0
```

[ ]:
```
data['Odds'].value_counts()
```

[ ]:
```
1.00     18
1.20      8
1.13      7
1.11      6
1.36      5
         ..
31.10     1
1.52      1
3.36      1
7.07      1
1.65      1
Name: Odds, Length: 301, dtype: int64
```

[ ]:
```
data[data["Odds"] == 1.00]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour
3	1.0	696	03:56:30	2023-02-13	3
7	1.0	528	03:57:44	2023-02-13	3
10	1.0	514	03:58:24	2023-02-13	3
19	1.0	566	04:02:06	2023-02-13	4
67	1.0	776	04:21:27	2023-02-13	4
101	1.0	580	04:32:59	2023-02-13	4
107	1.0	607	04:35:02	2023-02-13	4
213	1.0	1514	05:22:29	2023-02-13	5
217	1.0	1336	05:24:48	2023-02-13	5
263	1.0	2035	05:46:16	2023-02-13	5
271	1.0	1588	05:48:45	2023-02-13	5
279	1.0	1496	05:51:24	2023-02-13	5
287	1.0	1177	05:54:49	2023-02-13	5
300	1.0	1608	05:59:40	2023-02-13	5
393	1.0	1734	06:39:13	2023-02-13	6
401	1.0	2003	06:43:51	2023-02-13	6
406	1.0	1950	06:46:05	2023-02-13	6
437	1.0	1954	06:58:28	2023-02-13	6

[ ]:
```
data[data["Odds"] <= 1.61]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour
1	1.19	598	03:55:58	2023-02-13	3
3	1.00	696	03:56:30	2023-02-13	3
5	1.17	543	03:57:06	2023-02-13	3
7	1.00	528	03:57:44	2023-02-13	3
8	1.26	660	03:57:56	2023-02-13	3
..	…	…	…	…	…
493	1.20	1499	07:23:32	2023-02-13	7
494	1.40	1410	07:23:48	2023-02-13	7
497	1.32	2626	07:25:10	2023-02-13	7
498	1.22	1942	07:25:24	2023-02-13	7
499	1.08	1844	07:25:42	2023-02-13	7

[196 rows x 5 columns]

[ ]:
```
data[data["Odds"] <= 1.45]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour
1	1.19	598	03:55:58	2023-02-13	3
3	1.00	696	03:56:30	2023-02-13	3
5	1.17	543	03:57:06	2023-02-13	3
7	1.00	528	03:57:44	2023-02-13	3
8	1.26	660	03:57:56	2023-02-13	3
..	…	…	…	…	…
493	1.20	1499	07:23:32	2023-02-13	7

```
494  1.40            1410    07:23:48       2023-02-13     7
497  1.32            2626    07:25:10       2023-02-13     7
498  1.22            1942    07:25:24       2023-02-13     7
499  1.08            1844    07:25:42       2023-02-13     7

[159 rows x 5 columns]
```

[ ]:
```
data[data["Odds"] <= 1.30]
```

[ ]:
```
      Odds  Qt_Apostadores Hora_Aposta Data_Hora_Aposta  hour
1     1.19             598    03:55:58       2023-02-13     3
3     1.00             696    03:56:30       2023-02-13     3
5     1.17             543    03:57:06       2023-02-13     3
7     1.00             528    03:57:44       2023-02-13     3
8     1.26             660    03:57:56       2023-02-13     3
..     …               …          …               …    …
476   1.25            2335    07:15:46       2023-02-13     7
492   1.13            2305    07:23:18       2023-02-13     7
493   1.20            1499    07:23:32       2023-02-13     7
498   1.22            1942    07:25:24       2023-02-13     7
499   1.08            1844    07:25:42       2023-02-13     7

[115 rows x 5 columns]
```

[ ]:
```
data[data["Odds"] >= 2.5]
```

[ ]:
```
       Odds  Qt_Apostadores Hora_Aposta Data_Hora_Aposta  hour
0     3.54             597    03:55:45       2023-02-13     3
2     2.58             535    03:56:20       2023-02-13     3
4     2.60             648    03:56:53       2023-02-13     3
6     3.93             675    03:57:33       2023-02-13     3
11    2.86             468    03:58:47       2023-02-13     3
..     …               …          …               …    …
488   5.98            2214    07:21:17       2023-02-13     7
490  13.60            2234    07:22:26       2023-02-13     7
491   8.27            2154    07:23:04       2023-02-13     7
495   2.51            1624    07:24:11       2023-02-13     7
496  12.47            2557    07:24:55       2023-02-13     7

[206 rows x 5 columns]
```

[ ]:
```
data[data["Odds"] >= 3.83]
```

[ ]:
```
       Odds  Qt_Apostadores Hora_Aposta Data_Hora_Aposta  hour
6     3.93             675    03:57:33       2023-02-13     3
13    7.18             462    03:59:34       2023-02-13     3
17   33.12             479    04:01:29       2023-02-13     4
```

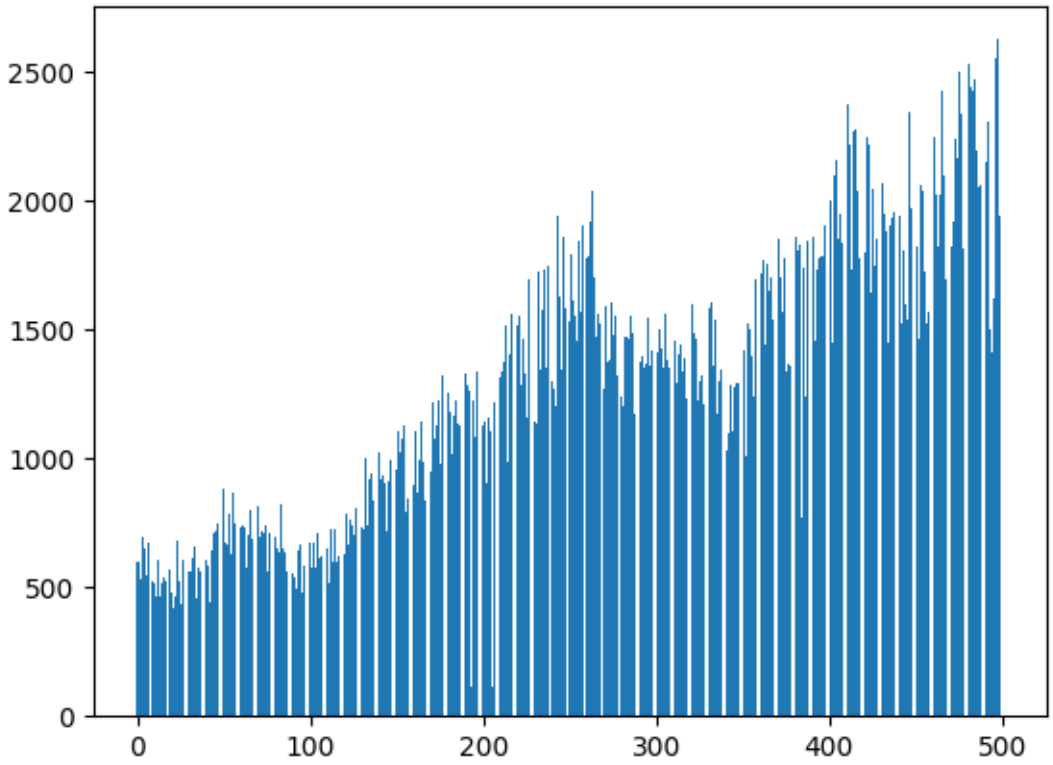
```
22   34.17             464    04:03:30       2023-02-13     4
25   12.65             437    04:04:34       2023-02-13     4
..     …               …        …              …    …
484   8.04            2469    07:19:34       2023-02-13     7
488   5.98            2214    07:21:17       2023-02-13     7
490  13.60            2234    07:22:26       2023-02-13     7
491   8.27            2154    07:23:04       2023-02-13     7
496  12.47            2557    07:24:55       2023-02-13     7

[142 rows x 5 columns]
```

[ ]:
```
data['Qt_Apostadores'].describe()
```

[ ]:
```
count     501.000000
mean     1291.864271
std       532.288532
min       114.000000
25%       782.000000
50%      1305.000000
75%      1692.000000
max      2626.000000
Name: Qt_Apostadores, dtype: float64
```

[ ]:
```
x = np.array(range(0,501,1))
y = np.array(data['Qt_Apostadores'])
plt.bar(x,y)
```

[ ]:
```
<BarContainer object of 501 artists>
```



[ ]:
```
i = 0
t = len(data['Hora_Aposta'])
#print(t)
segundo = []
minuto = []
for j in range(0,t):
    #print(data['Hora_Aposta'][j])
    #print(data['Hora_Aposta'][j].split(":"))
    x = data['Hora_Aposta'][j].split(":")
    segundo.append(float(x[2]))
    minuto.append(float(x[1]))

for j in range(0,t):
    segundo[j] = segundo[j]/60
    minuto[j] = minuto[j] + round(segundo[j],6)

for j in range(0,t):
    minuto[j] = round(minuto[j]/60, 6)

data['hour_edi'] = data['hour']
for j in range(0,t):
    data['hour_edi'][j] = data['hour_edi'][j] + minuto[j]
```

```
data['hour_edi']
```

```
C:\Users\Riallen\AppData\Local\Temp\ipykernel_9672\1362838707.py:22:
SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame

See the caveats in the documentation: https://pandas.pydata.org/pandas-
docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy
  data['hour_edi'][j] = data['hour_edi'][j] + minuto[j]
```

[ ]:
```
0      3.929167
1      3.932778
2      3.938889
3      3.941667
4      3.948056
         …
496    7.415278
497    7.419444
498    7.423333
499    7.428333
500    7.433056
Name: hour_edi, Length: 501, dtype: float64
```

[ ]:
```
data['hour_edi'].describe()
```

[ ]:
```
count    501.000000
mean       5.643326
std        1.028820
min        3.929167
25%        4.722222
50%        5.647778
75%        6.531389
max        7.433056
Name: hour_edi, dtype: float64
```

[ ]:
```
data['hour']
```

[ ]:
```
0      3
1      3
2      3
3      3
4      3
      ..
496    7
497    7
498    7
499    7
```

```
500    7
Name: hour, Length: 501, dtype: int64
```

[ ]:
```
data_hora_145 = data[data['Odds']> 1.45]
data_hora_145
```

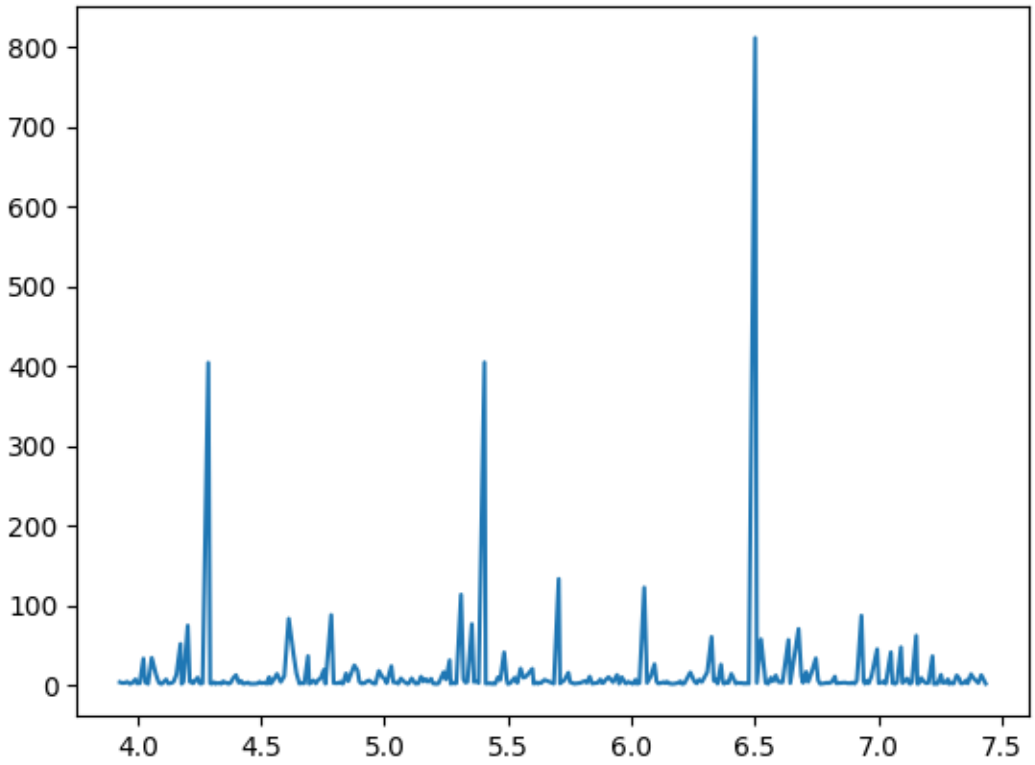
[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
0	3.54	597	03:55:45	2023-02-13	3	3.929167
2	2.58	535	03:56:20	2023-02-13	3	3.938889
4	2.60	648	03:56:53	2023-02-13	3	3.948056
6	3.93	675	03:57:33	2023-02-13	3	3.959167
9	1.46	524	03:58:12	2023-02-13	3	3.970000
..	…	…	…	… …	…	
490	13.60	2234	07:22:26	2023-02-13	7	7.373889
491	8.27	2154	07:23:04	2023-02-13	7	7.384444
495	2.51	1624	07:24:11	2023-02-13	7	7.403056
496	12.47	2557	07:24:55	2023-02-13	7	7.415278
500	1.65	2034	07:25:59	2023-02-13	7	7.433056

[342 rows x 6 columns]

[ ]:
```
x = np.array(data_hora_145['hour_edi'])
y = np.array(data_hora_145['Odds'])

plt.plot(x,y)
```

[ ]:
```
[<matplotlib.lines.Line2D at 0x1fffcc06560>]
```



[ ]:
```
data_hora3 = data[data['hour'] == 3]
data_hora3
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
0	3.54	597	03:55:45	2023-02-13	3	3.929167
1	1.19	598	03:55:58	2023-02-13	3	3.932778
2	2.58	535	03:56:20	2023-02-13	3	3.938889
3	1.00	696	03:56:30	2023-02-13	3	3.941667
4	2.60	648	03:56:53	2023-02-13	3	3.948056
5	1.17	543	03:57:06	2023-02-13	3	3.951667
6	3.93	675	03:57:33	2023-02-13	3	3.959167
7	1.00	528	03:57:44	2023-02-13	3	3.962222
8	1.26	660	03:57:56	2023-02-13	3	3.965556
9	1.46	524	03:58:12	2023-02-13	3	3.970000
10	1.00	514	03:58:24	2023-02-13	3	3.973333
11	2.86	468	03:58:47	2023-02-13	3	3.979722
12	1.08	610	03:58:59	2023-02-13	3	3.983056
13	7.18	462	03:59:34	2023-02-13	3	3.992778
14	2.08	520	03:59:54	2023-02-13	3	3.998333

[ ]:
```
data_hora3[data_hora3['Odds'] >= 1.45]
#print(len(data_hora3[data_hora3['Odds'] >= 1.45]))
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
0	3.54	597	03:55:45	2023-02-13	3	3.929167
2	2.58	535	03:56:20	2023-02-13	3	3.938889
4	2.60	648	03:56:53	2023-02-13	3	3.948056
6	3.93	675	03:57:33	2023-02-13	3	3.959167
9	1.46	524	03:58:12	2023-02-13	3	3.970000
11	2.86	468	03:58:47	2023-02-13	3	3.979722
13	7.18	462	03:59:34	2023-02-13	3	3.992778
14	2.08	520	03:59:54	2023-02-13	3	3.998333

[ ]:
```
#Proporção de ods acima de 1.45
p_1453 = len(data_hora3[data_hora3['Odds'] >= 1.45])/len(data_hora3['Odds'])
p_1453
```

[ ]:
```
0.5333333333333333
```

[ ]:
```
data_hora4 = data[data['hour'] == 4]
data_hora4
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
15	2.46	536	04:00:16	2023-02-13	4	4.004444
16	2.15	524	04:00:36	2023-02-13	4	4.010000
17	33.12	479	04:01:29	2023-02-13	4	4.024722
18	3.53	602	04:01:55	2023-02-13	4	4.031944
19	1.00	566	04:02:06	2023-02-13	4	4.035000
..	…	…	…	… …	…	
158	1.45	1180	04:57:31	2023-02-13	4	4.958611
159	1.57	947	04:57:49	2023-02-13	4	4.963611
160	17.74	897	04:58:39	2023-02-13	4	4.977500
161	1.38	1104	04:58:54	2023-02-13	4	4.981667
162	9.41	870	04:59:34	2023-02-13	4	4.992778

[148 rows x 6 columns]

[ ]:
```
data_hora4[data_hora4['Odds'] >= 1.45]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
15	2.46	536	04:00:16	2023-02-13	4	4.004444
16	2.15	524	04:00:36	2023-02-13	4	4.010000
17	33.12	479	04:01:29	2023-02-13	4	4.024722
18	3.53	602	04:01:55	2023-02-13	4	4.031944
21	1.60	418	04:02:37	2023-02-13	4	4.043611
..	…	…	…	… …	…	
157	2.11	793	04:57:15	2023-02-13	4	4.954167
158	1.45	1180	04:57:31	2023-02-13	4	4.958611
159	1.57	947	04:57:49	2023-02-13	4	4.963611
160	17.74	897	04:58:39	2023-02-13	4	4.977500
162	9.41	870	04:59:34	2023-02-13	4	4.992778

[101 rows x 6 columns]

[ ]:
```
#Proporção de ods acima de 1.45
p_1454 = len(data_hora4[data_hora4['Odds'] >= 1.45])/len(data_hora4['Odds'])
p_1454
```

[ ]: 0.6824324324324325

[ ]:
```
data_hora5 = data[data['hour'] == 5]
data_hora5
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
163	7.42	997	05:00:09	2023-02-13	5	5.002500
164	2.29	1143	05:00:31	2023-02-13	5	5.008611
165	1.37	987	05:00:51	2023-02-13	5	5.014167
166	23.79	834	05:01:41	2023-02-13	5	5.028056
167	3.50	1115	05:02:09	2023-02-13	5	5.035833
..	…	…	…	… …	…	
296	2.92	1363	05:58:23	2023-02-13	5	5.973056
297	1.85	1420	05:58:41	2023-02-13	5	5.978056
298	4.05	1658	05:59:10	2023-02-13	5	5.986111
299	1.23	1343	05:59:28	2023-02-13	5	5.991111
300	1.00	1608	05:59:40	2023-02-13	5	5.994444

[138 rows x 6 columns]

[ ]:
```
data_hora5[data_hora5['Odds'] >= 1.35]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
163	7.42	997	05:00:09	2023-02-13	5	5.002500
164	2.29	1143	05:00:31	2023-02-13	5	5.008611
165	1.37	987	05:00:51	2023-02-13	5	5.014167
166	23.79	834	05:01:41	2023-02-13	5	5.028056
167	3.50	1115	05:02:09	2023-02-13	5	5.035833
..	…	…	…	… …	…	
294	9.86	1366	05:57:38	2023-02-13	5	5.960556
295	1.38	1543	05:57:57	2023-02-13	5	5.965833
296	2.92	1363	05:58:23	2023-02-13	5	5.973056
297	1.85	1420	05:58:41	2023-02-13	5	5.978056
298	4.05	1658	05:59:10	2023-02-13	5	5.986111

[107 rows x 6 columns]

[ ]:
```
#Proporção de ods acima de 1.45
p_1455 = len(data_hora5[data_hora5['Odds'] >= 1.35])/len(data_hora5['Odds'])
p_1455
```

[ ]: 0.7753623188405797

[ ]:
```
data_hora6 = data[data['hour'] == 6]
data_hora6
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
301	2.30	1413	06:00:01	2023-02-13	6	6.000278
302	1.55	1498	06:00:19	2023-02-13	6	6.005278
303	6.67	1428	06:00:59	2023-02-13	6	6.016389
304	1.60	1352	06:01:19	2023-02-13	6	6.021944
305	1.13	1564	06:01:32	2023-02-13	6	6.025556
..	…	…	…	… …	…	
435	2.13	1908	06:57:34	2023-02-13	6	6.959444
436	10.81	1933	06:58:15	2023-02-13	6	6.970833
437	1.00	1954	06:58:28	2023-02-13	6	6.974444
438	1.06	1644	06:58:40	2023-02-13	6	6.977778
439	44.90	1398	06:59:38	2023-02-13	6	6.993889

[139 rows x 6 columns]

[ ]:
```
data_hora6[data_hora6['Odds'] >= 1.45]
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
301	2.30	1413	06:00:01	2023-02-13	6	6.000278
302	1.55	1498	06:00:19	2023-02-13	6	6.005278
303	6.67	1428	06:00:59	2023-02-13	6	6.016389
304	1.60	1352	06:01:19	2023-02-13	6	6.021944
306	2.53	1383	06:01:55	2023-02-13	6	6.031944
..	…	…	…	… …	…	
433	1.68	1879	06:56:40	2023-02-13	6	6.944444
434	5.42	1447	06:57:12	2023-02-13	6	6.953333
435	2.13	1908	06:57:34	2023-02-13	6	6.959444
436	10.81	1933	06:58:15	2023-02-13	6	6.970833
439	44.90	1398	06:59:38	2023-02-13	6	6.993889

[96 rows x 6 columns]

[ ]:
```
#Proporção de ods acima de 1.45
p_1456 = len(data_hora6[data_hora6['Odds'] >= 1.45])/len(data_hora6['Odds'])
p_1456
```

[ ]: 0.6906474820143885

[ ]:
```
data_hora7 = data[data['hour'] == 7]
data_hora7
```

[ ]:

	Odds	Qt_Apostadores	Hora_Aposta	Data_Hora_Aposta	hour	hour_edi
440	2.32	2194	07:00:00	2023-02-13	7	7.000000

```
441   1.16              1939    07:00:13       2023-02-13     7  7.003611
442   1.13              1522    07:00:26       2023-02-13     7  7.007222
443   1.03              1809    07:00:38       2023-02-13     7  7.010556
444   1.07              1596    07:00:51       2023-02-13     7  7.014167
..     …                …        …              …    …        …
496  12.47              2557    07:24:55       2023-02-13     7  7.415278
497   1.32              2626    07:25:10       2023-02-13     7  7.419444
498   1.22              1942    07:25:24       2023-02-13     7  7.423333
499   1.08              1844    07:25:42       2023-02-13     7  7.428333
500   1.65              2034    07:25:59       2023-02-13     7  7.433056

[61 rows x 6 columns]
```

[ ]:
```
data_hora7[data_hora7['Odds']>=1.45]
```

[ ]:
```
      Odds  Qt_Apostadores Hora_Aposta Data_Hora_Aposta  hour  hour_edi
440   2.32              2194    07:00:00       2023-02-13     7  7.000000
445   4.33              1538    07:01:24       2023-02-13     7  7.023333
446   1.71              2344    07:01:43       2023-02-13     7  7.028611
448  41.12              1664    07:02:58       2023-02-13     7  7.049444
449   2.47              2009    07:03:21       2023-02-13     7  7.055833
450   2.07              1771    07:03:43       2023-02-13     7  7.061944
451   1.48              1824    07:04:00       2023-02-13     7  7.066667
452   3.60              1466    07:04:27       2023-02-13     7  7.074167
453  47.40              2058    07:05:25       2023-02-13     7  7.090278
454   2.54              2040    07:05:48       2023-02-13     7  7.096667
457   8.22              1570    07:06:58       2023-02-13     7  7.116111
458   2.40              2295    07:07:21       2023-02-13     7  7.122500
459   1.56              2032    07:07:38       2023-02-13     7  7.127222
460   3.53              1667    07:08:04       2023-02-13     7  7.134444
461  61.83              2246    07:09:07       2023-02-13     7  7.151944
462   1.50              2027    07:09:24       2023-02-13     7  7.156667
463   1.81              1822    07:09:42       2023-02-13     7  7.161667
464   8.90              2022    07:10:21       2023-02-13     7  7.172500
465   4.91              2424    07:10:52       2023-02-13     7  7.181111
467   2.31              1696    07:11:30       2023-02-13     7  7.191667
468   2.75              2372    07:12:06       2023-02-13     7  7.201667
469  36.12              2107    07:13:04       2023-02-13     7  7.217778
470   1.49              2118    07:13:23       2023-02-13     7  7.223056
471   1.47              1825    07:13:41       2023-02-13     7  7.228056
472   1.89              1923    07:14:01       2023-02-13     7  7.233611
473   1.61              2242    07:14:19       2023-02-13     7  7.238611
474  12.85              2164    07:15:08       2023-02-13     7  7.252222
475   2.75              2499    07:15:32       2023-02-13     7  7.258889
477   3.13              1814    07:16:12       2023-02-13     7  7.270000
478   7.19              2313    07:16:48       2023-02-13     7  7.280000
479   1.46              2257    07:17:05       2023-02-13     7  7.284722
```

480	3.28	2168	07:17:33	2023-02-13	7	7.292500
481	1.77	2533	07:17:52	2023-02-13	7	7.297778
482	1.98	2440	07:18:13	2023-02-13	7	7.303611
483	12.09	2428	07:18:57	2023-02-13	7	7.315833
484	8.04	2469	07:19:34	2023-02-13	7	7.326111
485	2.14	2192	07:19:56	2023-02-13	7	7.332222
486	2.02	2056	07:20:17	2023-02-13	7	7.338056
487	2.86	2064	07:20:43	2023-02-13	7	7.345278
488	5.98	2214	07:21:17	2023-02-13	7	7.354722
489	2.10	2320	07:21:38	2023-02-13	7	7.360556
490	13.60	2234	07:22:26	2023-02-13	7	7.373889
491	8.27	2154	07:23:04	2023-02-13	7	7.384444
495	2.51	1624	07:24:11	2023-02-13	7	7.403056
496	12.47	2557	07:24:55	2023-02-13	7	7.415278
500	1.65	2034	07:25:59	2023-02-13	7	7.433056

[ ]:
```
#Proporção de ods acima de 1.45
p_1457 = len(data_hora7[data_hora7['Odds'] >= 1.45])/len(data_hora7['Odds'])
p_1457
```

[ ]: 0.7540983606557377