Rafael_Ragozoni

May 3, 2024

1 Exercícios 3 e 4 - Seção 6.5

Rafael Ragozoni Conrado 290268

- 3. A Lahman Baseball Database é uma das fontes de dados mais abrangentes e respeitadas para estatísticas e informações sobre beisebol nos Estados Unidos e no Canadá. Foi criada por Sean Lahman e contém uma ampla variedade de dados históricos e estatísticas relacionadas ao beisebol, incluindo informações sobre jogadores, equipes, estatísticas de temporada regular e pós-temporada, registros de jogos, salários, prêmios e muito mais. O link da base de dados é http://seanlahman.com/. Acesse os dados da última versão e faça os exercícios propostos na Seção 22.4 em [63].
- 4. Faça o exercício 13 da Seção 23.5 em [63]. Técnicas de raspagem de dados da rede em R e Python são, respectivamente, apresentadas no Capítulo 23 em [63] e em [23].
- 1. Install and load the Lahman library. This database includes data related to baseball teams. It includes summary statistics about how the players performed on offense and defense for several years. It also includes personal information about the players. The Batting data frame contains the offensive statistics for all players for many years.

```
[]: import numpy as np import pandas as pd from plotnine import *
```

```
[]: batting = pd.read_csv("lahman_1871-2023_csv/Batting.csv")
batting.head()
```

```
[]:
          playerID
                      yearID
                               stint teamID lgID
                                                      G
                                                          G_batting
                                                                           R
                                                                               Η
                                                                                       SB
                                                                                            \
                                                                       AB
         aardsda01
                        2004
                                    1
                                          SFN
                                                NL
                                                     11
                                                                 NaN
                                                                           0
                                                                                      0.0
         aardsda01
                                    1
                                          CHN
                                                                           0
                                                                               0
                                                                                      0.0
     1
                        2006
                                                NL
                                                     45
                                                                 NaN
                                    1
                                                                           0
                                                                                      0.0
         aardsda01
                        2007
                                          CHA
                                                 ΑL
                                                     25
                                                                 NaN
         aardsda01
                        2008
                                    1
                                          BOS
                                                 ΑL
                                                     47
                                                                 NaN
                                                                        1
                                                                           0
                                                                                      0.0
         aardsda01
                        2009
                                    1
                                          SEA
                                                 ΑL
                                                     73
                                                                 NaN
                                                                                  •••
                                                                                      0.0
```

```
CS
         BB
              SO
                   IBB
                         HBP
                                SH
                                     SF
                                          GIDP
                                                 G_old
   0.0
             0.0
                              0.0
0
          0
                   0.0
                         0.0
                                    0.0
                                           0.0
                                                   NaN
1
   0.0
             0.0
                   0.0
                         0.0
                              1.0
                                    0.0
                                           0.0
                                                   NaN
2
   0.0
             0.0
                   0.0
                         0.0
                               0.0
                                    0.0
                                           0.0
                                                   NaN
   0.0
             1.0
                   0.0
                         0.0
                              0.0
                                    0.0
                                           0.0
                                                   NaN
```

[5 rows x 24 columns]

```
[]: top = batting[batting["yearID"] == 2016].sort_values("HR", ascending=False)[:10]
     top
[]:
                playerID
                           yearID
                                     stint teamID lgID
                                                             G
                                                                G_batting
                                                                              AB
                                                                                     R
                                                                                           Η
                                                                                              \
     103772
                              2016
                                         1
                                                                                    94
              trumbma01
                                               BAL
                                                      AL
                                                           159
                                                                       NaN
                                                                             613
                                                                                         157
     22463
                              2016
                                         1
                                               SEA
                cruzne02
                                                      ΑL
                                                           155
                                                                       NaN
                                                                             589
                                                                                    96
                                                                                         169
     29385
               encared01
                              2016
                                         1
                                               TOR
                                                      AL
                                                           160
                                                                       NaN
                                                                             601
                                                                                    99
                                                                                         158
     24045
               daviskh01
                              2016
                                         1
                                               OAK
                                                           150
                                                                       NaN
                                                                             555
                                                                                    85
                                                                                         137
                                                      AL
     27201
               doziebr01
                              2016
                                         1
                                               MIN
                                                      AL
                                                           155
                                                                       {\tt NaN}
                                                                             615
                                                                                   104
                                                                                         165
     16151
               cartech02
                              2016
                                         1
                                               MIL
                                                      NL
                                                           160
                                                                       NaN
                                                                             549
                                                                                    84
                                                                                         122
     2819
                              2016
                                         1
                                               COL
                                                                                   116
              arenano01
                                                      NL
                                                           160
                                                                       NaN
                                                                             618
                                                                                         182
     33647
              frazito01
                              2016
                                         1
                                               CHA
                                                      AL
                                                           158
                                                                       {\tt NaN}
                                                                             590
                                                                                    89
                                                                                         133
                                         1
     15320
                canoro01
                              2016
                                               SEA
                                                      AL
                                                                       NaN
                                                                             655
                                                                                   107
                                                                                         195
                                                           161
     12752
                                         1
                                               CHN
                                                      NL
                                                                                   121
               bryankr01
                              2016
                                                           155
                                                                       {\tt NaN}
                                                                             603
                                                                                         176
                    SB
                          CS
                              BB
                                       SO
                                             IBB
                                                    HBP
                                                           SH
                                                                  SF
                                                                      GIDP
                                                                             G old
     103772
                   2.0
                         0.0
                                                    3.0
                                                                0.0
                                                                      14.0
                                                                               NaN
                               51
                                   170.0
                                             1.0
                                                         0.0
     22463
                   2.0
                         0.0
                               62
                                   159.0
                                             5.0
                                                    9.0
                                                         0.0
                                                                7.0
                                                                      15.0
                                                                               NaN
     29385
                   2.0
                         0.0
                               87
                                   138.0
                                             3.0
                                                    5.0
                                                         0.0
                                                                8.0
                                                                      22.0
                                                                               NaN
     24045
                   1.0
                         2.0
                               42
                                   166.0
                                             0.0
                                                    8.0
                                                         0.0
                                                                5.0
                                                                      19.0
                                                                               NaN
     27201
                  18.0
                         2.0
                                   138.0
                                             6.0
                                                    8.0
                                                         2.0
                                                                5.0
                                                                      12.0
                               61
                                                                               NaN
     16151
                   3.0
                         1.0
                               76
                                   206.0
                                             1.0
                                                    9.0
                                                         0.0
                                                               10.0
                                                                      18.0
                                                                               NaN
     2819
                   2.0
                         3.0
                               68
                                   103.0
                                            10.0
                                                    2.0
                                                         0.0
                                                                8.0
                                                                      17.0
                                                                               NaN
     33647
                  15.0
                         5.0
                               64
                                   163.0
                                             1.0
                                                    4.0
                                                         1.0
                                                                7.0
                                                                      11.0
                                                                               NaN
     15320
                   0.0
                         1.0
                              47
                                   100.0
                                             8.0
                                                    8.0
                                                         0.0
                                                                5.0
                                                                      18.0
                                                                               NaN
     12752
                   8.0
                         5.0
                              75
                                   154.0
                                             5.0
                                                  18.0
                                                         0.0
                                                                3.0
                                                                       3.0
                                                                               NaN
```

[10 rows x 24 columns]

We can see column names nameFirst and nameLast. Use the left_join function to create a table of the top home run hitters. The table should have playerID, first name, last name, and number of home runs (HR). Rewrite the object top with this new table.

```
[]: people = pd.read_csv("lahman_1871-2023_csv/People.csv", encoding="ISO-8859-1") people.columns
```

```
[]:
         playerID nameFirst
                                 nameLast
                                            HR
     0
        trumbma01
                        Mark
                                    Trumbo
                                            47
         cruzne02
     1
                      Nelson
                                      Cruz
                                            43
     2
        encared01
                       Edwin
                              Encarnacion
                                            42
        daviskh01
                                     Davis
     3
                       Khris
                                            42
     4 doziebr01
                       Brian
                                    Dozier
                                            42
     5 cartech02
                       Chris
                                    Carter
                                            41
     6 arenano01
                       Nolan
                                   Arenado
                                            41
     7 frazito01
                                            40
                        Todd
                                  Frazier
     8
         canoro01
                    Robinson
                                      Cano
                                            39
        bryankr01
                                    Bryant
                                            39
                        Kris
```

2. Now use the Salaries data frame to add each player's salary to the table you created in exercise 1. Note that salaries are different every year so make sure to filter for the year 2016, then use right_join. This time show first name, last name, team, HR, and salary.

```
[]: salaries = pd.read_csv("lahman_1871-2023_csv/Salaries.csv")
salaries, salaries.columns
```

```
[]:(
              yearID teamID lgID
                                    playerID
                                                 salary
                1985
                        ATL
                               NL
                                   barkele01
                                                 870000
      1
                1985
                        ATL
                               NL
                                   bedrost01
                                                 550000
                        ATI.
      2
                1985
                               NT.
                                   benedbr01
                                                 545000
      3
                1985
                        ATL
                               NL
                                                 633333
                                    campri01
      4
                        ATL
                               NT.
                1985
                                  ceronri01
                                                 625000
      26423
                2016
                        WAS
                               NL strasst01
                                               10400000
      26424
                2016
                        WAS
                               NL taylomi02
                                                 524000
      26425
                2016
                        WAS
                               NL treinbl01
                                                 524900
                                   werthja01
      26426
                2016
                        WAS
                               NL
                                               21733615
      26427
                2016
                        WAS
                               NL
                                   zimmery01
                                               14000000
      [26428 \text{ rows x 5 columns}],
      Index(['yearID', 'teamID', 'lgID', 'playerID', 'salary'], dtype='object'))
[]: salaries = salaries[salaries["yearID"] == 2016]
     salaries
```

```
[]: yearID teamID lgID playerID salary 25575 2016 ARI NL ahmedni01 521600
```

```
25576
              2016
                      ARI
                                barreja01
                                             507500
                            NL
     25577
              2016
                      ARI
                            NL
                                brachsi01
                                             509300
     25578
              2016
                      ARI
                            NL
                                britoso01
                                             508500
     25579
              2016
                      ARI
                            NL
                                castiwe01
                                             3700000
     26423
              2016
                      WAS
                                strasst01
                                           10400000
                            NL
     26424
              2016
                      WAS
                            NL
                                taylomi02
                                             524000
     26425
              2016
                      WAS
                            NL
                                treinbl01
                                             524900
     26426
              2016
                      WAS
                            NL
                                werthja01
                                           21733615
                      WAS
                                zimmery01
     26427
              2016
                            NL
                                           14000000
     [853 rows x 5 columns]
[]: teams = pd.read_csv("lahman_1871-2023_csv/Teams.csv")
     teams= teams[teams["yearID"] == 2016]
     teams.columns
[]: Index(['yearID', 'lgID', 'teamID', 'franchID', 'divID', 'Rank', 'G', 'Ghome',
            'W', 'L', 'DivWin', 'WCWin', 'LgWin', 'WSWin', 'R', 'AB', 'H', '2B',
            '3B', 'HR', 'BB', 'SO', 'SB', 'CS', 'HBP', 'SF', 'RA', 'ER', 'ERA',
            'CG', 'SHO', 'SV', 'IPouts', 'HA', 'HRA', 'BBA', 'SOA', 'E', 'DP', 'FP',
            'name', 'park', 'attendance', 'BPF', 'PPF', 'teamIDBR',
            'teamIDlahman45', 'teamIDretro'],
           dtype='object')
[]: salary and team = pd.
      →merge(salaries[["teamID","playerID","salary"]],teams[["teamID","name"]],
      ⇔on="teamID", how="left")
     salary_and_team
[]:
                  playerID
         teamID
                              salary
                                                       name
     0
            ARI
                 ahmedni01
                              521600
                                      Arizona Diamondbacks
     1
            ARI
                 barreja01
                              507500
                                      Arizona Diamondbacks
     2
            ARI
                 brachsi01
                              509300
                                      Arizona Diamondbacks
                              508500 Arizona Diamondbacks
     3
            AR.T
                 britoso01
     4
            AR.T
                 castiwe01
                             3700000 Arizona Diamondbacks
            WAS strasst01 10400000 Washington Nationals
     848
     849
            WAS taylomi02
                              524000
                                      Washington Nationals
            WAS treinbl01
                                      Washington Nationals
     850
                              524900
     851
                                      Washington Nationals
            WAS
                 werthja01 21733615
     852
            WAS
                 zimmery01 14000000
                                      Washington Nationals
     [853 rows x 4 columns]
[]: top = pd.merge(salary_and_team, top, on="playerID", how="right")
     top = top[["nameFirst","nameLast","name","HR","salary"]]
```

top

```
[]:
       nameFirst
                      nameLast
                                              name
                                                    HR
                                                           salary
                                                    47
            Mark
                        Trumbo
                                Baltimore Orioles
                                                          9150000
     1
          Nelson
                          Cruz
                                 Seattle Mariners
                                                         14250000
     2
           Edwin
                                Toronto Blue Jays
                                                    42
                                                         1000000
                  Encarnacion
     3
           Khris
                         Davis
                                Oakland Athletics
                                                    42
                                                           524500
     4
           Brian
                        Dozier
                                  Minnesota Twins
                                                    42
                                                          3000000
     5
                        Carter Milwaukee Brewers
           Chris
                                                    41
                                                          2500000
     6
           Nolan
                       Arenado
                                 Colorado Rockies
                                                    41
                                                          5000000
     7
            Todd
                       Frazier
                                Chicago White Sox
                                                    40
                                                          8250000
     8
        Robinson
                          Cano
                                 Seattle Mariners
                                                    39
                                                         24000000
     9
            Kris
                        Bryant
                                      Chicago Cubs
                                                    39
                                                           652000
```

3. In a previous exercise, we created a tidy version of the co2 dataset. We want to see if the monthly trend is changing so we are going to remove the year effects and then plot the results. We will first compute the year averages. Use the group_by and summarize to compute the average co2 for each year. Save in an object called yearly_avg.

```
[]: co2 = pd.read_csv("co2.csv")
co2["time"] = co2["time"].astype(int)
co2
```

```
[]:
                              value
           rownames
                      time
     0
                      1959
                             315.42
                   1
     1
                   2
                             316.31
                      1959
     2
                   3
                      1959
                             316.50
     3
                   4
                      1959
                             317.56
     4
                      1959
                             318.13
                 464
                      1997
                             362.57
     463
                             360.24
     464
                 465
                      1997
     465
                 466
                      1997
                             360.83
     466
                 467
                      1997
                             362.49
     467
                 468
                      1997
                             364.34
```

[468 rows x 3 columns]

```
[]: yearly_avg = co2.groupby('time')['value'].mean()
   yearly_avg = pd.DataFrame(yearly_avg)
   yearly_avg
```

```
[]: value
time
1959 315.825833
1960 316.747500
```

```
1961 317.485000
1962
     318.297500
1963
     318.832500
1964
     319.462500
1965 319.872500
1966 321.210000
1967 322.020000
1968 322.890000
1969 324.459167
1970
     325.517500
1971 326.155000
1972 327.293333
1973
     329.511667
1974 330.079167
1975 330.985833
1976
     331.985833
1977
     333.730000
1978
     335.335833
1979
     336.680833
1980
     338.515000
1981
     339.760833
1982 340.959167
1983 342.608333
1984 344.246667
1985
     345.725833
1986 346.975000
1987
     348.750833
1988 351.313333
1989
     352.754167
1990 354.036667
1991
     355.478333
1992
     356.291667
1993 356.995833
1994
     358.880000
1995
     360.914167
1996
     362.686667
1997
     363.817500
```

4. Now use the left_join function to add the yearly average to the co2_wide dataset. Then compute the residuals: observed co2 measure - yearly average.

```
[]: co2_wide = pd.merge(co2, yearly_avg, on="time", how= "left")

co2_wide = co2_wide.rename(columns={
    "value_x":"co2_emission",
    "value_y":"yearly_avg_co2_emission",
    "time":"year"
```

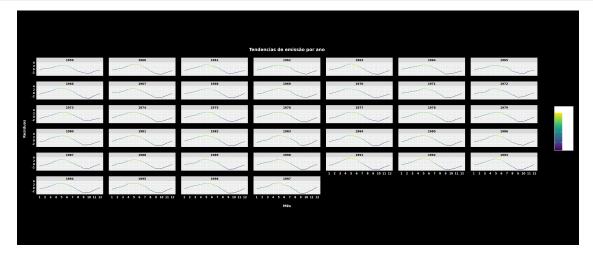
```
})
     co2_wide
[]:
                          co2_emission yearly_avg_co2_emission
          rownames year
                    1959
                                315.42
                                                      315.825833
     0
                 1
                 2 1959
     1
                                316.31
                                                     315.825833
     2
                 3 1959
                                316.50
                                                     315.825833
                 4 1959
     3
                                317.56
                                                     315.825833
     4
                 5 1959
                                318.13
                                                     315.825833
     . .
     463
               464 1997
                                362.57
                                                     363.817500
     464
               465 1997
                                360.24
                                                     363.817500
                                360.83
     465
               466 1997
                                                     363.817500
     466
               467
                    1997
                                362.49
                                                     363.817500
     467
                                364.34
                                                     363.817500
               468 1997
     [468 rows x 4 columns]
[]: co2_wide["residuals"] = co2_wide["co2_emission"] -__

¬co2_wide["yearly_avg_co2_emission"]
     co2_wide
[]:
          rownames year
                        co2_emission yearly_avg_co2_emission residuals
                   1959
                                315.42
     0
                 1
                                                      315.825833
                                                                  -0.405833
     1
                 2 1959
                                316.31
                                                     315.825833
                                                                   0.484167
                                                     315.825833
     2
                 3 1959
                                316.50
                                                                   0.674167
     3
                 4 1959
                                317.56
                                                     315.825833
                                                                   1.734167
     4
                 5 1959
                                318.13
                                                     315.825833
                                                                   2.304167
     463
               464 1997
                                362.57
                                                     363.817500 -1.247500
     464
               465 1997
                                360.24
                                                     363.817500 -3.577500
     465
               466
                   1997
                                360.83
                                                     363.817500 -2.987500
     466
               467
                    1997
                                362.49
                                                     363.817500 -1.327500
     467
               468 1997
                                364.34
                                                     363.817500
                                                                 0.522500
     [468 rows x 5 columns]
[]: # colocando meses para calcular a média de emissão de co2 por
     # mês e poder calcular o residual mensal que representaria como
     # deveriam ser as tendencias naturais de emissão ao longo do ano
     # sem a intervenção de eventos pontuais de alguns anos que poderiam afetar
     months = []
     for i in range(len(co2_wide['year'])):
         months.append(i\%12 + 1)
     co2_wide['month'] = months
```

co2_wide

```
[]:
                           co2_emission yearly_avg_co2_emission
          rownames
                    year
                                                                    residuals
                     1959
                                  315.42
                                                        315.825833
                                                                    -0.405833
                                                                                    1
     1
                 2
                    1959
                                  316.31
                                                        315.825833
                                                                     0.484167
                                                                                    2
     2
                 3
                    1959
                                 316.50
                                                        315.825833
                                                                                    3
                                                                     0.674167
     3
                 4
                    1959
                                 317.56
                                                        315.825833
                                                                     1.734167
                                                                                    4
     4
                 5
                                                        315.825833
                                                                     2.304167
                                                                                    5
                    1959
                                 318.13
     463
               464
                    1997
                                  362.57
                                                        363.817500 -1.247500
                                                                                    8
                                  360.24
                                                                                    9
     464
               465
                     1997
                                                        363.817500 -3.577500
     465
               466
                     1997
                                 360.83
                                                        363.817500 -2.987500
                                                                                   10
     466
               467
                     1997
                                 362.49
                                                        363.817500 -1.327500
                                                                                   11
                                 364.34
     467
               468
                    1997
                                                        363.817500
                                                                     0.522500
                                                                                   12
```

[468 rows x 6 columns]



13. Advanced: extract the titles of the movies that won Best Picture from this website: https://m.imdb.com/chart/bestpicture/

```
[]: import requests
     from bs4 import BeautifulSoup
     import pandas as pd
     import time
[]: url = "https://m.imdb.com/chart/bestpicture/"
     response = requests.get(url)
     response.status_code
[]: 403
    https://www.youtube.com/watch?v=JesHXRoJbzw
[]: import random
     userAgents=["Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like_
      →Gecko) Chrome/123.0.0.0 Safari/537.36",
                 "Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like_
      Gecko) Chrome/124.0.0.0 Safari/537.36",
                 "Mozilla/5.0 (X11; Linux x86_64; rv:125.0) Gecko/20100101 Firefox/
      4125.0",
                 "Mozilla/5.0 (X11; Ubuntu; Linux x86_64; rv:125.0) Gecko/20100101 ∪
      ⇔Firefox/125.0"
     response = requests.get(url, headers={'User-Agent': random.choice(userAgents)})
     response.status_code
[]: 200
[]: soup = BeautifulSoup(response.content, 'html.parser')
     titulos = soup.select('h3[class="ipc-title_text"]')
     titulos
[]: [<h3 class="ipc-title__text">1. Oppenheimer</h3>,
      <h3 class="ipc-title_text">2. Tudo em Todo o Lugar ao Mesmo Tempo</h3>,
      <h3 class="ipc-title__text">3. No Ritmo do Coração</h3>,
      <h3 class="ipc-title__text">4. Nomadland</h3>,
      <h3 class="ipc-title__text">5. Parasita</h3>,
      <h3 class="ipc-title__text">6. Green Book: O Guia</h3>,
      <h3 class="ipc-title_text">7. A Forma da Água</h3>,
      <h3 class="ipc-title__text">8. Moonlight: Sob a Luz do Luar</h3>,
      <h3 class="ipc-title__text">9. Spotlight: Segredos Revelados</h3>,
      <h3 class="ipc-title__text">10. Birdman ou (A Inesperada Virtude da
     Ignorância)</h3>,
      <h3 class="ipc-title__text">11. 12 Anos de Escravidão</h3>,
```

```
<h3 class="ipc-title_text">13. O Artista</h3>,
      <h3 class="ipc-title_text">14. O Discurso do Rei</h3>,
      <h3 class="ipc-title__text">15. Quem Quer Ser um Milionário?</h3>,
      <h3 class="ipc-title__text">16. Guerra ao Terror</h3>,
      <h3 class="ipc-title__text">17. Onde os Fracos Não Têm Vez</h3>,
      <h3 class="ipc-title_text">18. Os Infiltrados</h3>,
      <h3 class="ipc-title_text">19. Crash: No Limite</h3>,
      <h3 class="ipc-title__text">20. Menina de Ouro</h3>,
      <h3 class="ipc-title__text">21. O Senhor dos Anéis: O Retorno do Rei</h3>,
      <h3 class="ipc-title__text">22. Chicago</h3>,
      <h3 class="ipc-title__text">23. Uma Mente Brilhante</h3>,
      <h3 class="ipc-title__text">24. Gladiador</h3>,
      <h3 class="ipc-title__text">25. Beleza Americana</h3>,
      <h3 class="ipc-title_text">26. Shakespeare Apaixonado</h3>,
      <h3 class="ipc-title_text">27. Titanic</h3>,
      <h3 class="ipc-title_text">28. O Paciente Inglês</h3>,
      <h3 class="ipc-title__text">29. Coração Valente</h3>,
      <h3 class="ipc-title__text">30. Forrest Gump: O Contador de Histórias</h3>,
      <h3 class="ipc-title__text">31. A Lista de Schindler</h3>,
      <h3 class="ipc-title__text">32. Os Imperdoáveis</h3>,
      <h3 class="ipc-title_text">33. O Silêncio dos Inocentes</h3>,
      <h3 class="ipc-title__text">34. Dança com Lobos</h3>,
      <h3 class="ipc-title text">35. Conduzindo Miss Daisy</h3>,
      <h3 class="ipc-title__text">36. Rain Man</h3>,
      <h3 class="ipc-title_text">37. 0 Último Imperador</h3>,
      <h3 class="ipc-title__text">38. Platoon</h3>,
      <h3 class="ipc-title__text">39. Entre Dois Amores</h3>,
      <h3 class="ipc-title__text">40. Amadeus</h3>,
      <h3 class="ipc-title_text">41. Laços de Ternura</h3>,
      <h3 class="ipc-title__text">42. Gandhi</h3>,
      <h3 class="ipc-title__text">43. Carruagens de Fogo</h3>,
      <h3 class="ipc-title_text">44. Gente como a Gente</h3>,
      <h3 class="ipc-title__text">45. Kramer vs. Kramer</h3>,
      <h3 class="ipc-title_text">46. O Franco Atirador</h3>,
      <h3 class="ipc-title__text">47. Noivo Neurótico, Noiva Nervosa</h3>,
      <h3 class="ipc-title_text">48. Rocky, um Lutador</h3>,
      <h3 class="ipc-title__text">49. Um Estranho no Ninho</h3>,
      <h3 class="ipc-title text">50. O Poderoso Chefão II</h3>,
      <h3 class="ipc-title__text">Recently viewed</h3>]
[]: movies = []
     for titulo in titulos:
        print(titulo.text.strip())
    1. Oppenheimer
```

- 2. Tudo em Todo o Lugar ao Mesmo Tempo

<h3 class="ipc-title_text">12. Argo</h3>,

- 3. No Ritmo do Coração
- 4. Nomadland
- 5. Parasita
- 6. Green Book: O Guia
- 7. A Forma da Água
- 8. Moonlight: Sob a Luz do Luar
- 9. Spotlight: Segredos Revelados
- 10. Birdman ou (A Inesperada Virtude da Ignorância)
- 11. 12 Anos de Escravidão
- 12. Argo
- 13. O Artista
- 14. O Discurso do Rei
- 15. Quem Quer Ser um Milionário?
- 16. Guerra ao Terror
- 17. Onde os Fracos Não Têm Vez
- 18. Os Infiltrados
- 19. Crash: No Limite
- 20. Menina de Ouro
- 21. O Senhor dos Anéis: O Retorno do Rei
- 22. Chicago
- 23. Uma Mente Brilhante
- 24. Gladiador
- 25. Beleza Americana
- 26. Shakespeare Apaixonado
- 27. Titanic
- 28. O Paciente Inglês
- 29. Coração Valente
- 30. Forrest Gump: O Contador de Histórias
- 31. A Lista de Schindler
- 32. Os Imperdoáveis
- 33. O Silêncio dos Inocentes
- 34. Dança com Lobos
- 35. Conduzindo Miss Daisy
- 36. Rain Man
- 37. O Último Imperador
- 38. Platoon
- 39. Entre Dois Amores
- 40. Amadeus
- 41. Laços de Ternura
- 42. Gandhi
- 43. Carruagens de Fogo
- 44. Gente como a Gente
- 45. Kramer vs. Kramer
- 46. O Franco Atirador
- 47. Noivo Neurótico, Noiva Nervosa
- 48. Rocky, um Lutador
- 49. Um Estranho no Ninho
- 50. O Poderoso Chefão II

Recently viewed