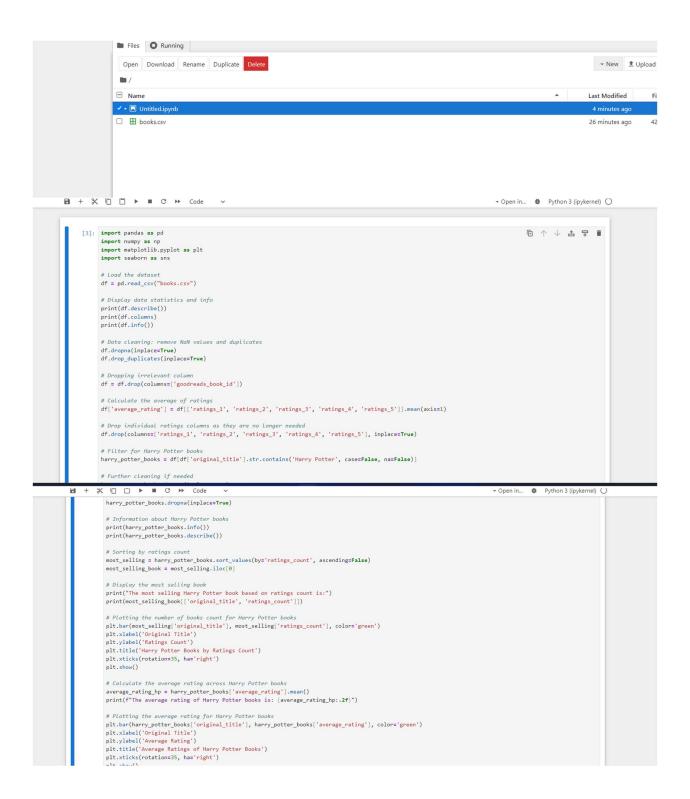
Marwan abdelhamid 2206174



```
book_id goodreads_book_id best_book_id
                                                     work_id \
count 1354.000000
                       1.354000e+03 1.354000e+03 1.354000e+03
                       5.951852e+06 6.120589e+06 8.707028e+06
      4453.584195
mean
std
      2894.277455
                       6.664595e+06 6.935008e+06 9.813696e+06
                       1.000000e+00 1.000000e+00 1.150000e+02
         1.000000
min
25%
      1860.250000
                       1.537868e+05 1.537962e+05 1.375035e+06
50%
      4177.500000
                       3.305318e+06 3.422646e+06 4.005716e+06
75%
      6814.500000
                       9.917380e+06 1.019388e+07 1.435717e+07
                       3.207567e+07 3.360215e+07 4.963819e+07
      9955.000000
max
                        isbn13 original_publication_year average_rating \
      books count
count 1354.000000 1.310000e+03
                                             1351.000000
                                                            1354.000000
        50.330871 9.766700e+12
                                             2003.422650
                                                                3.999357
mean
std
        61.338867 3.572069e+11
                                              16.779301
                                                                0.224263
        1.000000 7.678361e+10
                                             1868.000000
                                                                3.230000
min
25%
        22.000000 9.780152e+12
                                              2003 000000
                                                                3.850000
50%
        37.000000 9.780440e+12
                                              2008.000000
                                                                4.000000
75%
        58 000000 9 780805e+12
                                              2011 000000
                                                                4 160000
max
      1314.000000 9.788424e+12
                                              2017.000000
                                                                4.740000
      ratings_count work_ratings_count work_text_reviews_count
     1.354000e+03
                          1.354000e+03
                                                   1354 000000
count
       9.160429e+04
                          9.915569e+04
                                                   5151.093058
       2.871266e+05
                          3.023637e+05
                                                  10730.335273
std
min
       6.221000e+03
                          8.833000e+03
                                                     49.000000
                                                   1162.500000
25%
       1.759325e+04
                          1.918150e+04
50%
       2.943000e+04
                          3.255150e+04
                                                   2208.000000
75%
       6.073800e+04
                          6.681275e+04
                                                   4690.750000
max
       4.780653e+06
                          4.942365e+06
                                                 155254.000000
```

```
ratings 1
                           ratings 2
                                           ratings 3
                                                          ratings 4
                                                                          ratings 5
                         1354.000000 1354.000000 1.354000e+03 1.354000e+03
         1354.000000
                       5005.615953 17528.918021 3.060591e+04 4.371784e+04
         2297.409158
mean
        13708.507239 16259.838433 43549.306920 8.427851e+04 1.610638e+05
std
           33.000000
                       133.000000 826.000000 1.660000e+03 2.005000e+03
min
                          978.000000 4140.500000 6.360500e+03 6.981500e+03
1732.500000 6557.000000 1.079550e+04 1.182650e+04
25%
          306.000000
50%
          619.000000
                         1732.500000
                       3644.500000 13312.250000 2.227500e+04 2.612400e+04
75%
         1355.000000
       456191.000000 436802.000000 793319.000000 1.481305e+06 3.011543e+06
Index(['book_id', 'goodreads_book_id', 'best_book_id', 'work_id',
       'books_count', 'isbn', 'isbn13', 'authors', 'original_publication_year', 'original_title', 'title', 'language_code', 'average_rating',
       'ratings_count', 'work_ratings_count', 'work_text_reviews_count',
       'ratings_1', 'ratings_2', 'ratings_3', 'ratings_4', 'ratings_5',
       'image_url', 'small_image_url'],
      dtype='object')
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1354 entries, 0 to 1353
Data columns (total 23 columns):
# Column
                             Non-Null Count Dtype
                             -----
    book id
0
                             1354 non-null
                                           int64
1
    goodreads_book_id
                             1354 non-null int64
2
    best_book_id
                             1354 non-null int64
3
    work_id
                             1354 non-null int64
                            1354 non-null int64
4
   books_count
5
   isbn
                            1302 non-null object
   isbn13
6
                             1310 non-null float64
                            1354 non-null object
7
   authors
8 original_publication_year 1351 non-null float64
9 original_title
                           1302 non-null object
10 title
                            1354 non-null object
11 language_code
                            1245 non-null object
12 average rating
                           1354 non-null float64
13 ratings count
                            1354 non-null int64
14 work ratings count
                           1354 non-null int64
15 work_text_reviews_count 1354 non-null int64
16 ratings 1
                            1354 non-null int64
17 ratings 2
                            1354 non-null int64
18 ratings_3
                            1354 non-null int64
19 ratings_4
                            1354 non-null int64
20 ratings_5
                            1354 non-null int64
                             1354 non-null object
21 image_url
22 small_image_url
                             1354 non-null object
dtypes: float64(3), int64(13), object(7)
memory usage: 243.4+ KB
```

```
<class 'pandas.core.frame.DataFrame'>
Index: 10 entries, 1 to 1036
Data columns (total 17 columns):
                             Non-Null Count Dtype
# Column
 0 book_id
                              10 non-null
    best_book_id
                              10 non-null
                                             int64
    work_id
                             10 non-null
                                             int64
    books_count
                             10 non-null
                                             int64
 4 isbn
                              10 non-null
                                             object
   isbn13
                              10 non-null
                                             float64
    original_publication_year 10 non-null
                                             float64
 8
    original_title
                             10 non-null
                                             object
    title
                              10 non-null
                                             object
 10 language_code
                              10 non-null
                                             object
 11 average_rating
                              10 non-null
                                             float64
 12 ratings_count
                                             int64
 13 work_ratings_count
                              10 non-null
                                             int64
 14 work_text_reviews_count 10 non-null
                                             int64
 15 image_url
                              10 non-null
                                             object
16 small_image_url
                             10 non-null
                                             object
dtypes: float64(3), int64(7), object(7)
memory usage: 1.4+ KB
          book_id best_book_id
                                     work_id books_count
                                                                isbn13 \
count
        10.000000
                      10.000000 1.000000e+01
                                               10.000000 1.000000e+01
mean 1133.300000 149764.500000 8.832041e+06
                                               256.600000 9.780459e+12
      2372.878142 292756.296154 1.286720e+07 163.050231 4.547325e+07
```

```
book_id best_book_id
                                                                                                work_id books_count
                                                                                                                                                                     isbn13 \
                      10.000000
                                                        10.000000 1.000000e+01
                                                                                                                          10.000000 1.000000e+01
count
                                                                                                                          256.600000 9.780459e+12
                1133.300000 149764.500000 8.832041e+06
mean
std
                 2372.878142 292756.296154 1.286720e+07 163.050231 4.547325e+07
min
                       2.000000
                                                           1.000000 4.717920e+05
                                                                                                                           6.000000 9.780425e+12
25%
                      21.500000
                                                            3.500000 2.847525e+06 122.750000 9.780439e+12
                   24.500000 8.000000 3.004895e+06 291.000000 9.780440e+12
323.250000 106158.500000 5.833578e+06 365.000000 9.780440e+12
50%
75%
                 7018.000000 862041.000000 4.133543e+07 491.000000 9.780545e+12
max
                 original_publication_year average_rating ratings_count \
                                                       10.000000
                                                                                              10.000000
                                                                                                                           1.000000e+01
count
                                                   2001.300000
                                                                                    325268.880000
                                                                                                                           1.535693e+06
mean
                                                        3.497618 279890.685689
std
                                                                                                                           1.338120e+06
min
                                                   1997.000000
                                                                                        3029.000000
                                                                                                                            1.382000e+04
25%
                                                   1998.250000
                                                                                     119902.550000
                                                                                                                            5.622432e+05
50%
                                                   2000.500000
                                                                                     368794.300000
                                                                                                                            1.740971e+06
                                                   2004.500000 379361.950000 1.772759e+06
75%
                                                   2007.000000 960013.000000 4.602479e+06
max
                 work_ratings_count work_text_reviews_count
                               1.000000e+01
                                                                                                   10.000000
count
                                1.626344e+06
                                                                                             29302.600000
mean
                                1.399453e+06
                                                                                            23399.455664
std
min
                                1.514500e+04
                                                                                               267.000000
25%
                                5.995128e+05
                                                                                            11761.000000
 50%
                                1.843972e+06
                                                                                             29884.500000
75%
                                1.896810e+06
                                                                                            35617.250000
                                4.800065e+06
                                                                                             75867.000000
max
             work_ratings_count work_text_reviews_count
                        1.000000e+01
                                                                       10.000000
                        1.626344e+06
                                                                  29302.600000
                       1.399453e+06
1.514500e+04
                                                                  23399.455664
                                                                  11761.000000
  25%
                        5.995128e+05
  50%
                       1.843972e+06
                                                                   29884.500000
                        1.896810e+06
4.800065e+06
                                                                   35617.250000
75867.000000
 "...очисовето />SBE/.WUGGBG 
The most selling Harry Potter book based on ratings count is: 
original_title Harry Potter and the Philosopher's Stone 
ratings_count 
Name: 1, dtype: object
 /tmp/ipykernel_2624/2321594463.py:31: 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 \\ for the documentation: https://pandas-docs/stable/user_guide/indexing.html \\ \# returning-a-view-versus-a-copy \\ for the documentation \\ for the documentati
   harry_potter_books.dropna(inplace=True)
                                                                        Harry Potter Books by Ratings Count
                                                  1e6
```



