

- Containers
- Images
- Volumes
- Builds
- Dev Environments BETA
- Docker Scout

- Extensions
- Add Extensions

Containers [Give feedback](#)

Container CPU usage ⓘ

22.05% / 2000% (20 CPUs available)

Container memory usage ⓘ

350.8MB / 7.43GB

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Only show running containers

Delete



	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
	vibrant_lumiere 175c3b29557c	docker/getting-started	Created (128)	0%	80:80		
	keen_hugle d04b1acc813c	docker/getting-started	Exited (255)	0%	80:80	9 days ago	
	zealous_goldstine f05d70f57b41	hello-world	Exited	0%		9 days ago	
	musing_euler 109ec4a8c214	hello-world	Exited	0%		9 days ago	
	jjp 86d8e117474a	myjj	Exited	0%		5 hours ago	
	jjjj f703611b46a9	myjj	Exited	0%	0:8888	2 hours ago	
	jdockerHub f56b6851a960	jupyter/datascience-notebook	Exited	0%	0:8888	2 hours ago	
	jjjjj 92fcd1d58e78	myjj	Running	21.6%	8888:8888	2 hours ago	

Selected 1 of 11

Engine running

RAM 5.46 GB CPU 1.54% Signed in

v4.29.0

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Images [Give feedback](#)

Local Hub

5.12 GB / 319.76 MB in use 6 Images Last refresh: 13 hours ago

Delete Space to be reclaimed 1.22 GB

	Name	Tag	Status	Created	Size	Actions
<input checked="" type="checkbox"/>	myji 8df7c1111236	latest	In use	3 hours ago	1.22 GB	
<input type="checkbox"/>	ubuntu ca2b0f26964c	22.04	Unused	2 months ago	77.86 MB	
<input type="checkbox"/>	alpine 05455a08881e	latest	Unused	3 months ago	7.37 MB	
<input type="checkbox"/>	jupyter/datascience-notebook f78a42f3bc9a	latest	In use	6 months ago	5.92 GB	
<input type="checkbox"/>	hello-world d2c94e258dcb	latest	In use	1 year ago	13.25 KB	
<input type="checkbox"/>	docker/getting-started 3e4394f6b72f	latest	In use	1 year ago	46.95 MB	

Selected 1 of 6

Engine running

RAM 5.46 GB CPU 2.81% Signed in

v4.29.0

FileEditViewGoRun...

Windows PowerShell

Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\hadi> docker run --name jfff -p 8888:8888 myjj
docker: Error response from daemon: Conflict. The container name "jfff" is already in use by container "f703611b46a91ff8b9aff4f1862e8edalfb8f29c8ca551e898c1d7cae3aa9a65". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.
PS C:\Users\hadi> docker run --name jffffff -p 8888:8888 myjj
[I 2024-04-24 19:37:11.571 ServerApp] jupyter_lsp | extension was successfully linked.
[I 2024-04-24 19:37:11.574 ServerApp] jupyter_server_terminals | extension was successfully linked.
[I 2024-04-24 19:37:11.577 ServerApp] jupyterlab | extension was successfully linked.
[I 2024-04-24 19:37:11.580 ServerApp] notebook | extension was successfully linked.
[I 2024-04-24 19:37:11.582 ServerApp] Writing Jupyter server cookie secret to /root/.local/share/jupyter/runtime/jupyter_cookie_secret
[I 2024-04-24 19:37:11.773 ServerApp] notebook_shim | extension was successfully linked.
[I 2024-04-24 19:37:11.785 ServerApp] notebook_shim | extension was successfully loaded.
[I 2024-04-24 19:37:11.787 ServerApp] jupyter_lsp | extension was successfully loaded.
[I 2024-04-24 19:37:11.788 ServerApp] jupyter_server_terminals | extension was successfully loaded.
[I 2024-04-24 19:37:11.789 LabApp] JupyterLab extension loaded from /usr/local/lib/python3.8/site-packages/jupyterlab
[I 2024-04-24 19:37:11.789 LabApp] JupyterLab application directory is /usr/local/share/jupyter/lab
[I 2024-04-24 19:37:11.789 LabApp] Extension Manager is 'pypi'.
[I 2024-04-24 19:37:11.810 ServerApp] jupyterlab | extension was successfully loaded.
[I 2024-04-24 19:37:11.812 ServerApp] notebook | extension was successfully loaded.
[I 2024-04-24 19:37:11.813 ServerApp] Serving notebooks from local directory: /App
[I 2024-04-24 19:37:11.813 ServerApp] Jupyter Server 2.14.0 is running at:
http://02fcd1d58e78:8888/tree?token=901204b555033b80ef2cc68dfb1f2b479939f59afe2b488c
http://127.0.0.1:8888/tree?token=901204b555033b80ef2cc68dfb1f2b479939f59afe2b488c
[I 2024-04-24 19:37:11.813 ServerApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 2024-04-24 19:37:11.815 ServerApp]

To access the server, open this file in a browser:
file:///root/.local/share/jupyter/runtime/jpserver-1-open.html
Or copy and paste one of these URLs:
http://02fcd1d58e78:8888/tree?token=901204b555033b80ef2cc68dfb1f2b479939f59afe2b488c
http://127.0.0.1:8888/tree?token=901204b555033b80ef2cc68dfb1f2b479939f59afe2b488c
[I 2024-04-24 19:37:11.825 ServerApp] Skipped non-installed server(s): bash-language-server, dockerfile-language-server-nodejs, javascript-typescript-langserver, jedi-language-server, julia-language-server, pyright, python-language-server, python-lsp-server, r-languageserver, sql-language-server, texlab, typescript-language-server, unified-language-server, vscode-css-languageserver-bin, vscode-html-languageserver-bin, vscode-json-languageserver-bin, yamll-language-server
[I 2024-04-24 19:37:32.859 ServerApp] 302 GET / (@172.17.0.1) 3.77ms
[I 2024-04-24 19:37:32.956 JupyterNotebookApp] 302 GET /tree? (@172.17.0.1) 3.62ms

Ln 7, Col 64 Spaces: 4 UTF-8 CRLF Dockerfile

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```
[I 2024-04-24 20:47:55.236 ServerApp] Kernel restarted: 75228a1b-6c0b-4091-a4d8-82b4ee904e91
[I 2024-04-24 20:47:55.241 ServerApp] Starting buffering for 75228a1b-6c0b-4091-a4d8-82b4ee904e91:d9e8b406-c630-4062-8753-6e5770f93d4a
[I 2024-04-24 20:47:55.248 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:47:55.248 ServerApp] Restoring connection for 75228a1b-6c0b-4091-a4d8-82b4ee904e91:d9e8b406-c630-4062-8753-6e5770f93d4a
[I 2024-04-24 20:47:59.213 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 20:49:59.246 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 20:50:19.208 ServerApp] Copying books.csv to
[I 2024-04-24 20:50:29.358 ServerApp] Creating new notebook in
[I 2024-04-24 20:50:29.426 ServerApp] Saving file at /Untitled1.ipynb
[I 2024-04-24 20:50:29.461 ServerApp] Kernel started: ec5c82a1-7acd-4e99-834c-4653e5243670
[I 2024-04-24 20:50:29.956 ServerApp] Connecting to kernel ec5c82a1-7acd-4e99-834c-4653e5243670.
[I 2024-04-24 20:50:29.989 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:50:29.995 ServerApp] Connecting to kernel ec5c82a1-7acd-4e99-834c-4653e5243670.
[I 2024-04-24 20:50:30.314 ServerApp] Connecting to kernel ec5c82a1-7acd-4e99-834c-4653e5243670.
[I 2024-04-24 20:50:37.293 ServerApp] Kernel shutdown: ec5c82a1-7acd-4e99-834c-4653e5243670
[W 2024-04-24 20:50:37.415 ServerApp] delete /Untitled1.ipynb
[W 2024-04-24 20:50:49.117 ServerApp] delete /Untitled Folder
[W 2024-04-24 20:50:49.119 ServerApp] delete /pack
[I 2024-04-24 20:50:54.856 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:51:20.292 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:51:24.159 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[W 2024-04-24 20:51:32.461 ServerApp] delete /books-Copy1.csv
[I 2024-04-24 20:52:28.578 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:52:28.886 ServerApp] Connecting to kernel 75228a1b-6c0b-4091-a4d8-82b4ee904e91.
[I 2024-04-24 20:58:29.394 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:00:29.420 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:08:29.617 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:10:29.692 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:12:29.720 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:14:29.921 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:16:29.973 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:18:30.004 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:20:30.229 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:22:30.268 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:24:30.302 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:26:30.503 ServerApp] Saving file at /Untitled.ipynb
[I 2024-04-24 21:28:30.538 ServerApp] Saving file at /Untitled.ipynb
```

```
[*]: 1 !pip install pandas
      2 !pip install matplotlib.pyplot
      3 !pip install seaborn
      4 !pip install sklearn.preprocessing
      5 !pip install -U scikit-learn
```

```
2052.71s - pydevd: Sending message related to process being replaced timed-out after 5 seconds
```

Requirement already satisfied: pandas in /usr/local/lib/python3.8/site-packages (2.0.3)

Requirement already satisfied: tzdata>=2022.1 in /usr/local/lib/python3.8/site-packages (from pandas) (2024.1)

Requirement already satisfied: numpy>=1.20.3 in /usr/local/lib/python3.8/site-packages (from pandas) (1.24.4)

Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.8/site-packages (from pandas) (2024.1)

Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.8/site-packages (from pandas) (2.9.0.post0)

Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.8/site-packages (from python-dateutil>=2.8.2->pandas) (1.16.0)

WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager. It is recommended to use a virtual environment instead: <https://pip.pypa.io/warnings/venv>

```
[notice] A new release of pip is available: 23.0.1 -> 24.0
```

[notice] To update, run: `pip install --upgrade pip`

```
2058.90s - pydevd: Sending message related to process being replaced timed-out after 5 seconds
```

ERROR: Could not find a version that satisfies the requirement matplotlib.pyplot (from versions: none)

ERROR: No matching distribution found for matplotlib.pyplot

```
[notice] A new release of pip is available: 23.0.1 -> 24.0
```

[notice] To update, run: `pip install --upgrade pip`

```
2064.74s - pydevd: Sending message related to process being replaced timed-out after 5 seconds
```

Requirement already satisfied: seaborn in /usr/local/lib/python3.8/site-packages (0.13.2)

Requirement already satisfied: numpy!=1.24.0,>=1.20 in /usr/local/lib/python3.8/site-packages (from seaborn) (1.24.4)

Requirement already satisfied: pandas>=1.2 in /usr/local/lib/python3.8/site-packages (from seaborn) (2.0.3)

Requirement already satisfied: matplotlib!=3.6.1,>=3.4 in /usr/local/lib/python3.8/site-packages (from seaborn) (3.7.5)

Requirement already satisfied: importlib-resources>=3.2.0 in /usr/local/lib/python3.8/site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (6.4.0)

Requirement already satisfied: pillow>=6.2.0 in /usr/local/lib/python3.8/site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (10.3.0)

```
Requirement already satisfied: fonttools>=4.22.0 in /usr/local/lib/python3.8/site-packages (from matplotlib!=3.6.1,>=3.4->seaborn) (4.51.0)
```

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JupyterLab

Python 3 (ipykernel)

[notice] A new release of pip is available: 23.0.1 -> 24.0

[notice] To update, run: pip install --upgrade pip

[11]:

```
1 import pandas as pd
2 import numpy as np
3 import matplotlib.pyplot as plt
4 import seaborn as sns
5 from sklearn.preprocessing import MinMaxScaler
6 DataSet = pd.read_csv("books.csv")
7 DataSet.dropna(inplace=True)
8 DataSet.duplicated()
9 DataSet.drop_duplicates(subset=None, keep='first', inplace=False, ignore_index=False)
10 DataSet= DataSet.drop(columns=['book_id', 'authors', 'title', 'ratings_count', 'small_image_url', 'isbn13', 'ratings_1', 'ratings_2', 'ratings_3', 'ratings_
11 harry_potter_books = DataSet[DataSet['original_title'].str.contains("Harry Potter", case=False)]
12 print("Number of Harry Potter books:", len(harry_potter_books))
13 print("Average rating of Harry Potter books:", harry_potter_books['average_rating'].mean())
14 plt.figure(figsize=(10, 6))
15 sns.histplot(data=harry_potter_books, x='average_rating', bins=20, kde=True)
16 plt.title('Distribution of Ratings for Harry Potter Books')
17 plt.xlabel('average_rating')
18 plt.ylabel('Frequency')
19 plt.show()
20 DataSet.to_excel("cleaned_books.xlsx", index=False)
21 print(DataSet.head())
```

Number of Harry Potter books: 10

Average rating of Harry Potter books: 4.4910000000000005

Distribution of Ratings for Harry Potter Books

3.0

21°C

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Search

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PC

Spotify

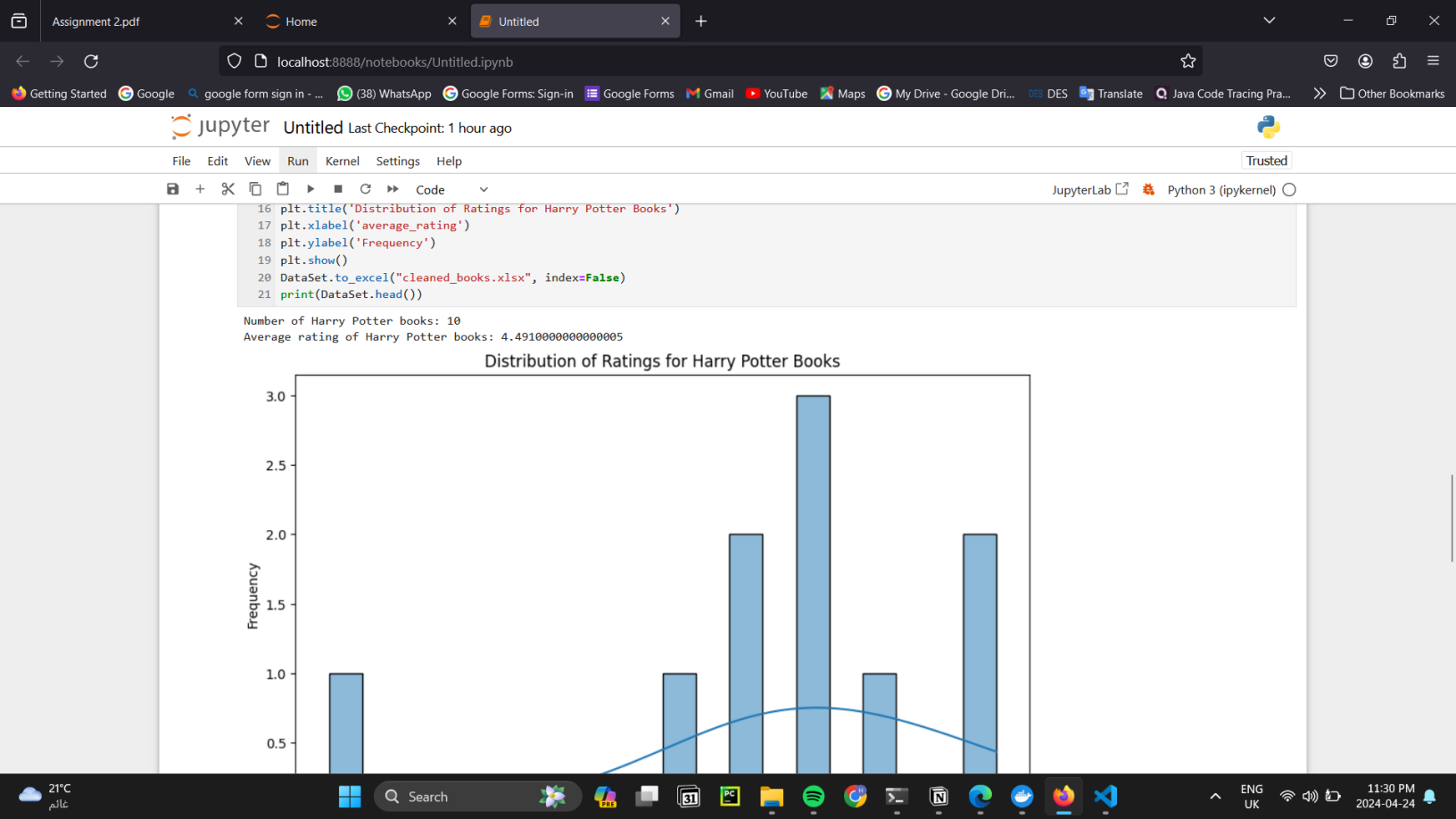
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JupyterLabPython 3 (ipykernel)

A histogram showing the frequency distribution of average ratings. The x-axis is labeled 'average_rating' and ranges from 4.0 to 4.7. The y-axis is labeled 'Frequency' and ranges from 0.0 to 2.0. There are six blue bars with the following approximate frequencies: 1.0 at 4.0, 0.1 at 4.1, 1.0 at 4.4, 2.0 at 4.5, 1.0 at 4.6, and 2.0 at 4.7. A smooth blue curve is overlaid on the bars, peaking at approximately 0.75 at a rating of 4.5.

average_rating	Frequency
4.0	1.0
4.1	0.1
4.2	0.0
4.3	0.0
4.4	1.0
4.5	2.0
4.6	1.0
4.7	2.0

```
goodreads_book_id best_book_id work_id books_count isbn \
0 2767052 2767052 2792775 272 439023483
1 3 3 4640799 491 439554934
2 41865 41865 3212258 226 316015849
3 11870085 11870085 16827462 226 525478817
4 13335037 13335037 13155899 210 62024035

original_publication_year original_title \
0 2008.0 The Hunger Games
1 1997.0 Harry Potter and the Philosopher's Stone
2 2005.0 Twilight
3 2012.0 The Fault in Our Stars
```

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JupyterLabPython 3 (ipykernel)

4.04.14.24.34.44.54.64.7

average_rating

	goodreads_book_id	best_book_id	work_id	books_count	isbn	\
0	2767052	2767052	2792775	272	439023483	
1	3	3	4640799	491	439554934	
2	41865	41865	3212258	226	316015849	
3	11870085	11870085	16827462	226	525478817	
4	13335037	13335037	13155899	210	62024035	

	original_publication_year	original_title	\
0	2008.0	The Hunger Games	
1	1997.0	Harry Potter and the Philosopher's Stone	
2	2005.0	Twilight	
3	2012.0	The Fault in Our Stars	
4	2011.0	Divergent	

	language_code	average_rating	work_ratings_count	work_text_reviews_count	\
0	eng	4.34	4942365	155254	
1	eng	4.44	4800065	75867	
2	en-US	3.57	3916824	95009	
3	eng	4.26	2478609	140739	
4	eng	4.24	2216814	101023	

	image_url
0	https://images.gr-assets.com/books/1447303603m...
1	https://images.gr-assets.com/books/1474154022m...
2	https://images.gr-assets.com/books/1361039443m...
3	https://images.gr-assets.com/books/1360206420m...
4	https://images.gr-assets.com/books/1328559506m...

[]: 1

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cleaned_books.csv

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jupyter

cleaned_books.csv Last Checkpoint: 12 seconds ago

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Delimiter: ,

	goodreads_book_id	best_book_id	work_id	books_count	isbn	original_publication_year	original_title	language_
1	2767052	2767052	2792775	272	439023483	2008.0	The Hunger Games	
2	3	3	4640799	491	439554934	1997.0	the Philosopher's Stone	
3	41865	41865	3212258	226	316015849	2005.0	Twilight	en
4	11870085	11870085	16827462	226	525478817	2012.0	The Fault in Our Stars	
5	13335037	13335037	13155899	210	62024035	2011.0	Divergent	
6	6148028	6148028	6171458	201	439023491	2009.0	Catching Fire	
7	5	5	2402163	376	043965548X	1999.0	the Prisoner of Azkaban	
8	7260188	7260188	8812783	239	439023513	2010.0	Mockingjay	
9	2	2	2809203	307	439358078	2003.0	the Order of the Phoenix	
10	15881	15881	6231171	398	439064864	1998.0	the Chamber of Secrets	
11	6	6	3046572	332	439139600	2000.0	ter and the Goblet of Fire	
12	136251	136251	2963218	263	545010225	2007.0	and the Deathly Hallows	
13	1	1	41335427	275	439785960	2005.0	and the Half-Blood Prince	
14	100915	100915	4790821	474	60764899	1950.0	Witch and the Wardrobe	
15	28187	28187	3346751	159	786838655	2005.0	The Lightning Thief	
16	19063	19063	878368	251	375831002	2005.0	The Book Thief	
17	49041	49041	3203964	194	316160199	2006.0	New Moon (Twilight, #2)	
18	256683	256683	2267189	178	1416914285	2007.0	City of Bones	
19	428263	428263	2675454	185	316160202	2007.0	Eclipse	en
20	113436	113436	3178011	217	375826696	2002.0	Eragon	en
21	119322	119322	1536771	287	679879242	1995.0	Northern Lights	

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Distribution of Ratings for Harry Potter Books

