Faculty of Computer and Data Sciences, Alexandria University.

Course Title: Cloud Computing 02-24-00204 Department: Intelligent Systems (2nd year)

Assignment 2 | Dockerfile and Data Analysis with Popular Books Dataset

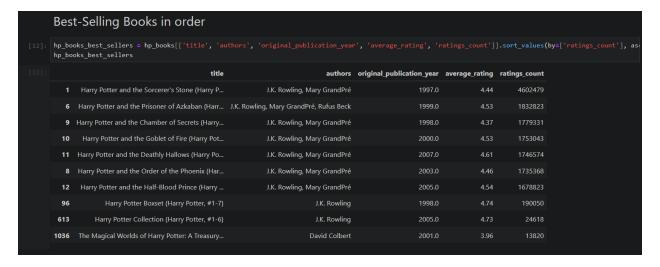
• مروان طارق امبابي رزق ابراهيم 22011615

Analysis Results:

Mean rating:



Best Selling Books in order:



Extra Stats:

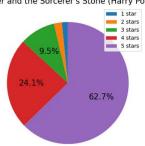
```
Average ratings (max, min, std, ...)
hp_books['average_rating'].describe()
count
         10.000000
mean
          4.491000
          0.220829
std
          3.960000
25%
          4.445000
50%
          4.530000
75%
          4.592500
          4.740000
Name: average_rating, dtype: float64
```

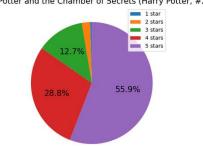
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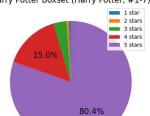


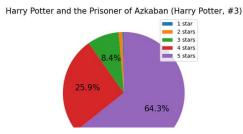
Rating Distribution by Book
Harry Potter and the Sorcerer's Stone (Harry Potter, #1)
Harry Potter and the Chamber of Secrets (Harry Potter, #2)



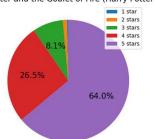


Harry Potter Boxset (Harry Potter, #1-7)

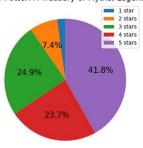




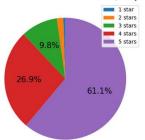
Harry Potter and the Goblet of Fire (Harry Potter, #4)



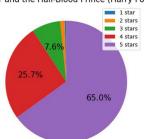




Harry Potter and the Order of the Phoenix (Harry Potter, #5)



Harry Potter and the Half-Blood Prince (Harry Potter, #6)



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Histogram of Average Ratings:



