Faculty of Computer and Data Sciences, Alexandria University.

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

## Assignment 2 | Dockerfile and Data Analysis with Popular Books Dataset

• مروان طارق امبابي رزق ابراهيم 22011615

#### **Analysis Results:**

#### **Mean rating:**

# Average rating of Harry Potter books [11]: hp\_books['average\_rating'].mean() [11]: 4.491

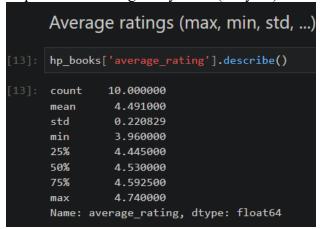
### **Best Selling Books in order:**

В	Best	t-Selling Books in order				
		oks_best_sellers = hp_books[['title', 'au oks_best_sellers				].sort_values(
		title	author	s original_publication_year	average_rating	ratings_count
		Harry Potter and the Sorcerer's Stone (Harry P	J.K. Rowling, Mary GrandPr	é 1997.0	4.44	4602479
	6	Harry Potter and the Prisoner of Azkaban (Harr	J.K. Rowling, Mary GrandPré, Rufus Bed	k 1999.0	4.53	1832823
	9	Harry Potter and the Chamber of Secrets (Harry	J.K. Rowling, Mary GrandPr	é 1998.0	4.37	1779331
	10	Harry Potter and the Goblet of Fire (Harry Pot	J.K. Rowling, Mary GrandPr	é 2000.0	4.53	1753043
	11	Harry Potter and the Deathly Hallows (Harry Po	J.K. Rowling, Mary GrandPr	é 2007.0	4.61	1746574
	8	Harry Potter and the Order of the Phoenix (Har	J.K. Rowling, Mary GrandPr	é 2003.0	4.46	1735368
	12	Harry Potter and the Half-Blood Prince (Harry	J.K. Rowling, Mary GrandPr	é 2005.0	4.54	1678823
	96	Harry Potter Boxset (Harry Potter, #1-7)	J.K. Rowlin	g 1998.0	4.74	190050
•	613	Harry Potter Collection (Harry Potter, #1-6)	J.K. Rowlin	g 2005.0	4.73	24618
10	036	The Magical Worlds of Harry Potter: A Treasury	David Colbe	t 2001.0	3.96	13820

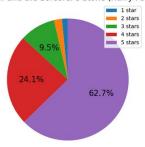
#### **Extra Stats:**

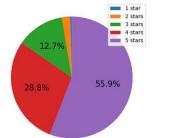
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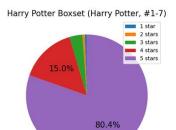
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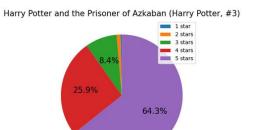


Rating Distribution by Book
Harry Potter and the Sorcerer's Stone (Harry Potter, #1)
Harry Potter and the Chamber of Secrets (Harry Potter, #2)



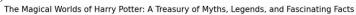


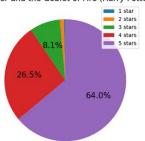


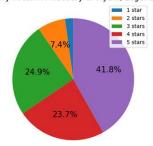


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Harry Potter and the Order of the Phoenix (Harry Potter, #5)

