

Assignment cloud computing

PDF that contains the results of the code that analyze the data set from EXCel sheet

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Code

Python 3 (ipykernel)

```
[2]: import pandas as pd

df = pd.read_csv('books.csv')

# Remove rows with missing values
df = df.dropna()

# Reset the index
df = df.reset_index(drop=True)

# Drop unnecessary columns
df = df[['book_id', 'authors', 'original_title', 'title', 'average_rating', 'ratings_count']]

# Filter the dataset for Harry Potter books
harry_potter_books = df[df['authors'].str.contains('J.K. Rowling')]

# Sort the books by ratings count in descending order
harry_potter_books = harry_potter_books.sort_values('ratings_count', ascending=False)

[3]: most_selling_books = harry_potter_books[['title', 'ratings_count']].head(5)
average_rating = harry_potter_books['average_rating'].mean()
# Print the most selling books
print("Most Selling Books in the Harry Potter Series:")
print(most_selling_books)

# Print the average rating
print("\nAverage Rating of the Harry Potter Books:")
print(average_rating)
```

The results

Most Selling Books in the Harry Potter Series:

	title	ratings_count
1	Harry Potter and the Sorcerer's Stone (Harry P...	4602479
6	Harry Potter and the Prisoner of Azkaban (Harr...	1832823
9	Harry Potter and the Chamber of Secrets (Harry...	1779331
10	Harry Potter and the Goblet of Fire (Harry Pot...	1753043
11	Harry Potter and the Deathly Hallows (Harry Po...	1746574

Average Rating of the Harry Potter Books:

4.441818181818183