

```
1 # ==== GoodReads.ipynb ===
2 # Import Dependencies
3 import pandas as pd
4
5
6 # Make a reference to the books.csv file path
7 csv_path = "Resources/books.csv"
8
9 # Import the books.csv file as a DataFrame
10 books_df = pd.read_csv(csv_path, encoding="utf-8")
11 books_df.head()
12
13
14 # Remove unnecessary columns from the DataFrame and save the new DataFrame
15 # Only keep: "isbn", "original_publication_year", "original_title", "authors"
16 #           "ratings_1", "ratings_2", "ratings_3", "ratings_4", "ratings_5"
17 reduced_df = books_df[
18     ["isbn", "original_publication_year", "original_title", "authors",
19     "ratings_1", "ratings_2", "ratings_3", "ratings_4", "ratings_5"] ]
20 reduced_df.head()
21
22
23 # Rename the headers to be more explanatory
24 renamed_df = reduced_df.rename(columns={
25     "isbn": "ISBN",
26     "original_title": "Original Title",
27     "original_publication_year": "Publication Year",
28     "authors": "Authors",
29     "ratings_1": "One Star Reviews",
30     "ratings_2": "Two Star Reviews",
31     "ratings_3": "Three Star Reviews",
32     "ratings_4": "Four Star Reviews",
33     "ratings_5": "Five Star Reviews", })
34
35 renamed_df.head()
36
37
38 # Push the remade DataFrame to a new CSV file
39 renamed_df.to_csv("Output/books_clean.csv",
40                  encoding="utf-8", index=False, header=True)
41
42
43
```