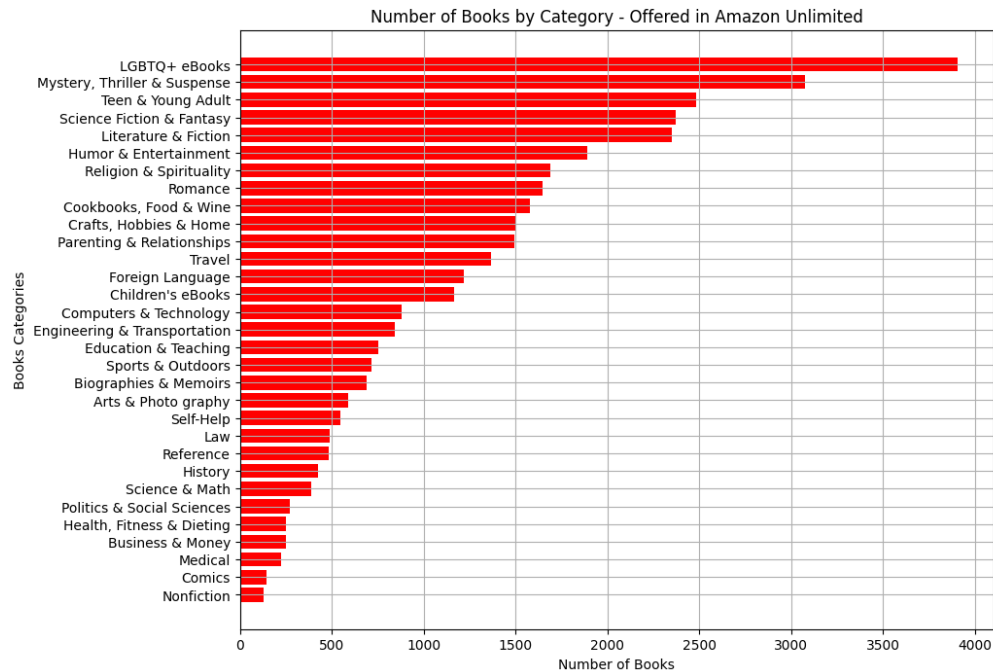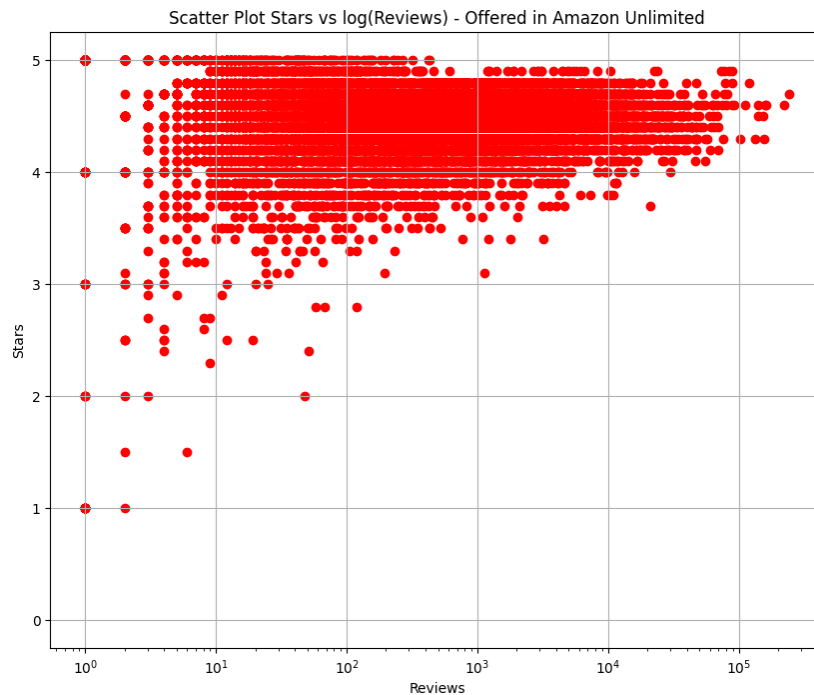**Does Amazon Unlimited worth it?**
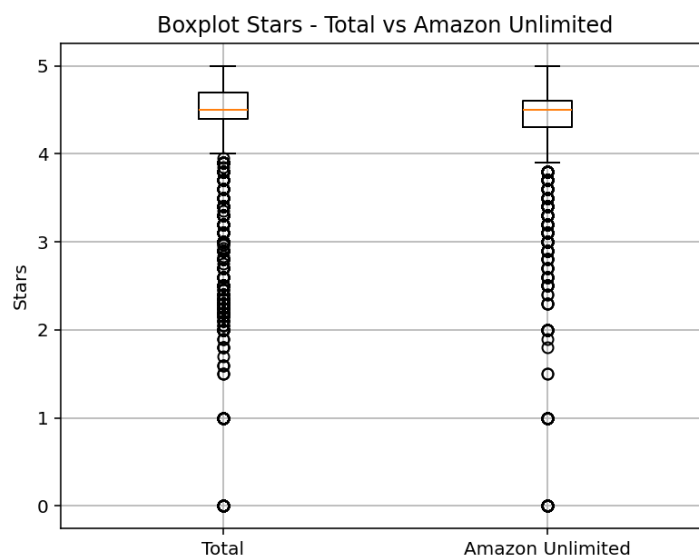
Juan Manuel Gonzalez Rincon

E-readers have changed one of the most important activities in the history, reading has been the driver of the knowledge through the time but the centralization of the information was one of the main problems, in the past most of the information including text books were located in the main cities of the world, that was a limitation for education and development of other parts of the world, the access to internet was a key booster of access to the information worldwide, giving the option to have multiple resources from different sources at the same time in a single device has improved the access to the information almost as a right, there is where the E-readers as a tool to store multiple books in a compact device with long battery live and technology for improving the experience to read has come. Amazon is an important player, being the main e-Books store in the world with about 131.913 different books from 31 categories offered, within this site, there is a plan 'Amazon Unlimited' that provides full access to a selected group of E-books, 35.752 books (27.1% of all books available) from the 31 categories. According to the bar chart most of the books included in the full access group are classified as LGBTQ+ eBooks (10.9% of total books) followed by Mystery, Thriller & Suspense (8.6%) and Teen & Young Adult (6.9%) while some categories have a smaller number of books as Medical (0.6%), Comics (0.4%) and Nonfiction (0.3%).

But how are the books offered by Amazon Unlimited rated? And is it related with the number of reviews received? There is not any specific correlation between the stars given by the lector and the number of reviews about a book, the only reason why the higher rated books have most reviews is because people should rate most of the time with many stars, the average of stars for a single book is 4.4 in total as in Amazon Unlimited selection.

Scatter Plot Stars vs log(Reviews) - Offered in Amazon Unlimited

In fact, number of stars is the quite similar in Amazon Unlimited as in the total e-Books, there is not any specific selection based on the stars of a book, the average number of stars in both cases is 4.4 stars with a lower standard deviation for Amazon Unlimited selection (0.6 stars) compared to all the books (0.7 stars), the boxplot of Total books is slightly higher with a 75% of the stars bellow 4.7 while in the Amazon Unlimited selection it is below 4.6 stars. Finally, although the number of books offered by Amazon Unlimited is just the 27% of all books, the quality of the books is still very high, just in case you need specific topics as medicine or comics, the investment in the plan is a very good option, for a price of USD$10.9 which is still less than the average cost of a single book USD$15.0.

Boxplot Stars - Total vs Amazon Unlimited

My Code: https://github.com/Juan980207/A_Data_Science.git
Data: https://www.kaggle.com/datasets/asaniczka/amazon-kindle-books-dataset-2023-130k-books