Google Play Store Ratings Report and Analysis

Introduction

This report analyzes data collected on 10841 apps in the Google Play store. For this user story, I am reporting on the total number of apps in the Entertainment category that have a content rating of Mature.

Body

Data

This report was written using MyJupyterNotebooks. First I imported Pandas, MatPlotLib, Seaborn, and Numpy to analyze and write reports on the data. Next, I requested the number of rows and columns (10841 and 13), the data types of each column (all were strings or “object” except for the rating column which was a float), and the column names ('App', 'Category', 'Rating', 'Reviews', 'Size', 'Installs', 'Type', 'Price', 'Content Rating', 'Genres', 'Last Updated', 'Current Ver', and 'Android Ver').

Method

Since I only need app name, content rating, genres, and category for this analysis, I dropped the other columns. Next, I requested a list of all unique content rating categories, which returned 'Everyone', 'Teen', 'Everyone 10+', 'Mature 17+', 'Adults only 18+', 'Unrated', and NaN.
Next, since I was only interested in the Entertainment apps, I isolated the apps with that value in the Category column and requested a count of that data which returned 149 total apps.

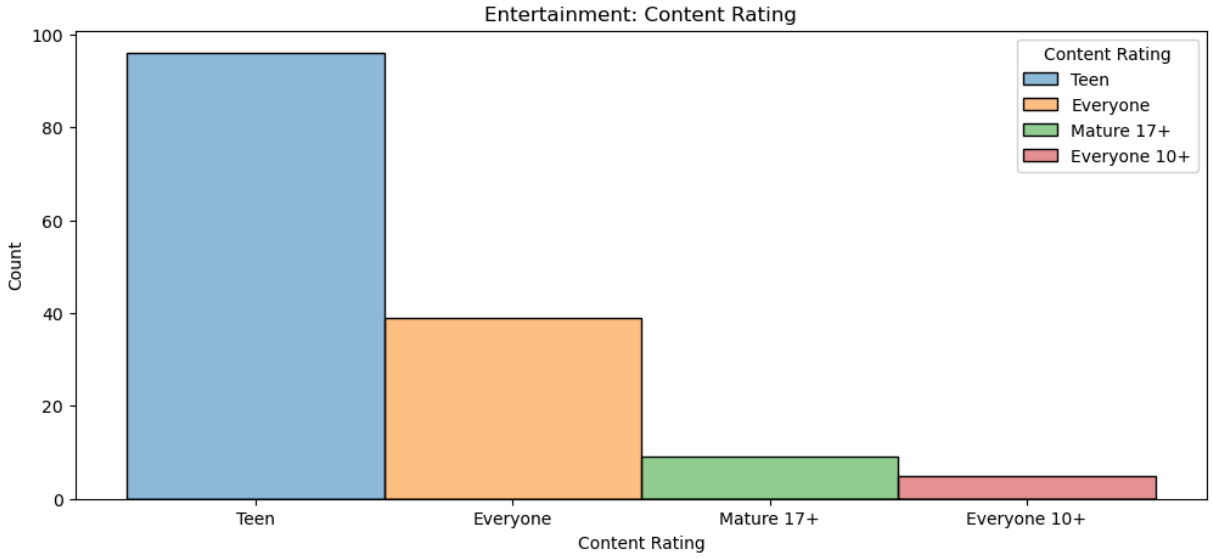
Results

After retrieving 149 total, I grouped the apps by content rating in my Entertainment table and printed a count of each, which returned 39 in the Everyone category, 5 in the Everyone 10+ category, 96 in the Teen category, and 9 in the Mature 17+ category.

Analysis

```
ratings = entertainment['Content Rating'].value_counts() # get count for each Content Rating
print(ratings)
```

```
Content Rating
Teen            96
Everyone        39
Mature 17+       9
Everyone 10+     5
Name: count, dtype: int64
```



Conclusion

Out of 149 total apps in the Entertainment category, 9 are rated Mature.