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Project Title: Understanding Content Trends Across Streaming Platforms

Current Progress

The project is moving forward as expected, with substantial progress made in **data collection, cleaning, and the development of initial visualizations**. The primary dataset has been compiled by merging multiple publicly available sources from Kaggle, including:

- Amazon Prime TV Shows and Movies
- Apple TV+ Movies and TV Shows
- Disney+ TV Shows and Movies
- HBO Max TV Shows and Movies
- Netflix TV Shows and Movies
- IMDb Movie Reviews Dataset
- The Movies Dataset

This consolidated dataset is being used in **Power BI** to analyze trends in streaming content across major platforms.

Data Cleaning and Preparation

- **Missing values** have been handled where possible to ensure data completeness for visualization.
- **Filtering methods** have been applied in Power BI to **prevent error values from affecting insights**.
- **Platform classification issues** (e.g., missing platform labels) were corrected to ensure accurate distribution of content across services.

Initial Findings & Visualizations

- **Platform-Wise Content Distribution:** Netflix and Amazon Prime consists the highest number of titles, while Apple TV+ has a smaller but curated library.
- **Genre Trends:** Drama and Comedy are the most dominant genres across all platforms.
- **Runtime Comparison:** Apple TV+ and HBO Max have relatively longer average movie runtimes.

Challenges

- **Issue 1:** Some platform classifications were missing in the raw dataset.
 - **Solution:** Logical filtering has been applied, based on title metadata and platform specific naming conventions.
- **Issue 2:** Certain visualizations (e.g., pie charts) were **too cluttered to interpret**.
 - **Solution:** Filtering and aggregation methods are tested to improve clarity.

Next Steps

- We'll continue refining Power BI **visualizations** to ensure they are **clear, insightful, and well-structured**.
- We are going to perform **a deeper analysis on content performance metrics** (IMDb scores, popularity, etc.).
- We will begin drafting the **Project Update 2**, ensuring all findings are properly documented.

Note: ChatGPT was used to improve the grammar and punctuation of the lines I've written for this first project update report.