

## Power BI Report Summary – Latest Movies Analysis

This document summarizes the Power BI report created using insights from Python EDA, SQL analytics, and the final Power BI dashboard built on the latest movies dataset.

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### 1. Executive Overview

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The project focuses on analyzing movies based on popularity, vote counts, ratings, languages, and release dates. Data was cleaned and explored in Python, queried using SQL (PostgreSQL), and visualized using Power BI.

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### 2. Key Metrics & KPIs

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- Total Movies Analyzed
- Number of Languages
- Highest Popularity Score
- Highest Vote Count
- Average Vote Rating

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### 3. Visuals Included in Report

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- Popularity trend by release date
- Top 10 most popular movies
- Movies per language

- Top 3 movies by language
  - Vote count leaderboard
  - Highest-rated English movies
  - Release volume by year
  - Popularity vs vote count scatter plot
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#### 4. Data Insights

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- English films dominate the dataset.
  - Popularity does not always correlate with votes.
  - Several non-English films rank highly in their categories.
  - Release date patterns reveal trends in film distribution.
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#### 5. Final Findings

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The Power BI dashboard allows interactive filtering by language, date, and popularity. Insights support better understanding of audience behavior, language diversity, and rating patterns.