Findings

Google Play Store Data Analysis: App Categories, User Trends, and Engagement

1. The Data I Worked With

- **Dataset Source**: The analysis is based on the Google Play Store dataset, containing data for apps including:
 - Categories, installs, user ratings, reviews, pricing, app sizes, and more.

Scope:

- Rows: Multiple app entries spanning different categories.
- Columns: Key metrics like Installs, Rating, Reviews, Price, and Category.

• Cleaning Steps:

- Removed invalid entries, such as non-numeric values in Installs (e.g., commas, "+" symbols, etc.).
- Filtered rows with missing or anomalous data to ensure accuracy in analysis.

2. The Question or Problem You Set Out to Solve

Key Questions:

- 1. Which app categories are most popular based on total installs?
- 2. What trends can be observed in user ratings and reviews across these categories?
- 3. Do higher app ratings or reviews correlate with higher installs?

• Objective:

1. To uncover actionable insights for app developers, businesses, and marketers seeking strategies to optimize app engagement and user satisfaction.

3. Key Findings and Takeaways

App Popularity:

- Categories like **Games**, **Social**, and **Communication** dominate installs, reflecting their widespread engagement among users.
- The total installs highlight trends in user preferences toward entertainment and interaction-based apps.

• Ratings Distribution:

 Ratings are heavily clustered in the range of **4.0–5.0**, showcasing high user satisfaction with most apps. • A small proportion of apps received lower ratings, which could point to issues with app functionality or user experience.

• Correlation Between Reviews and Installs:

- A positive correlation exists: apps with higher reviews tend to have larger numbers of installs.
- Logarithmic trends in scatterplots show how some apps dominate the engagement landscape more significantly than others.