Sardar Patel Institute of Technology
Department of Computer Engineering

BDAV

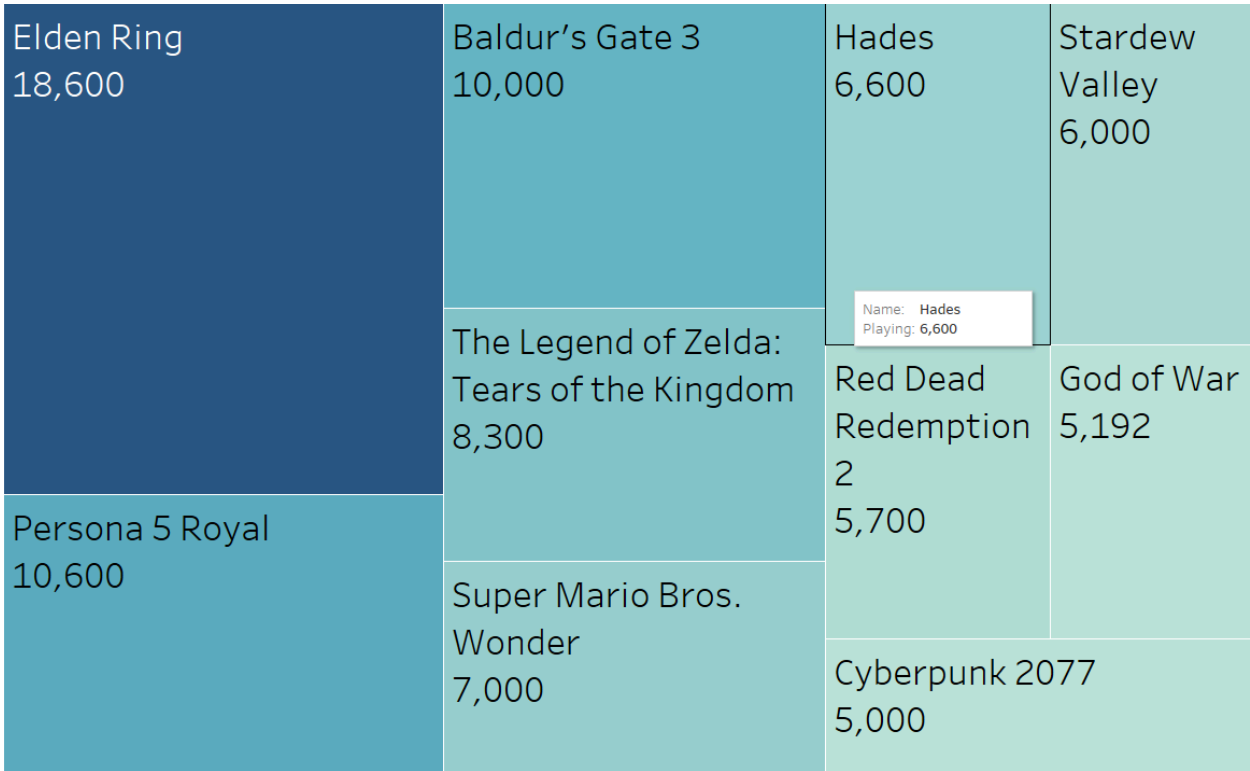## Experiment 9

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Aim: Gain insights from the dataset and project it to the dashboard

1. **Top 10 games currently played games:**

Top 10 currently played games with game count

Insights:

    A. **Player Shift**:

Titles like *The Elder Scrolls IV: Oblivion Remastered* and *Marvel Rivals* show a strong player shift towards recently launched or remastered games.

    B. **Multiplayer Lobby Advantage**:

Games with higher concurrent player counts, such as *Counter-Strike 2* and *Dota 2*, offer better opportunities for multiplayer matchmaking and active lobbies.

    C. **Genre Preferences**

Players are gravitating towards multiplayer games, particularly tactical and team-based titles like *Counter-Strike 2*, *Dota 2*, and *PUBG: Battlegrounds*. This suggests a sustained interest in community-driven gaming experiences.

    D. **Replayability and Updates**

Games like *Apex Legends* maintain a consistent player base through regular updates and new features. This shows that players are drawn to titles that evolve over time and provide ongoing value.
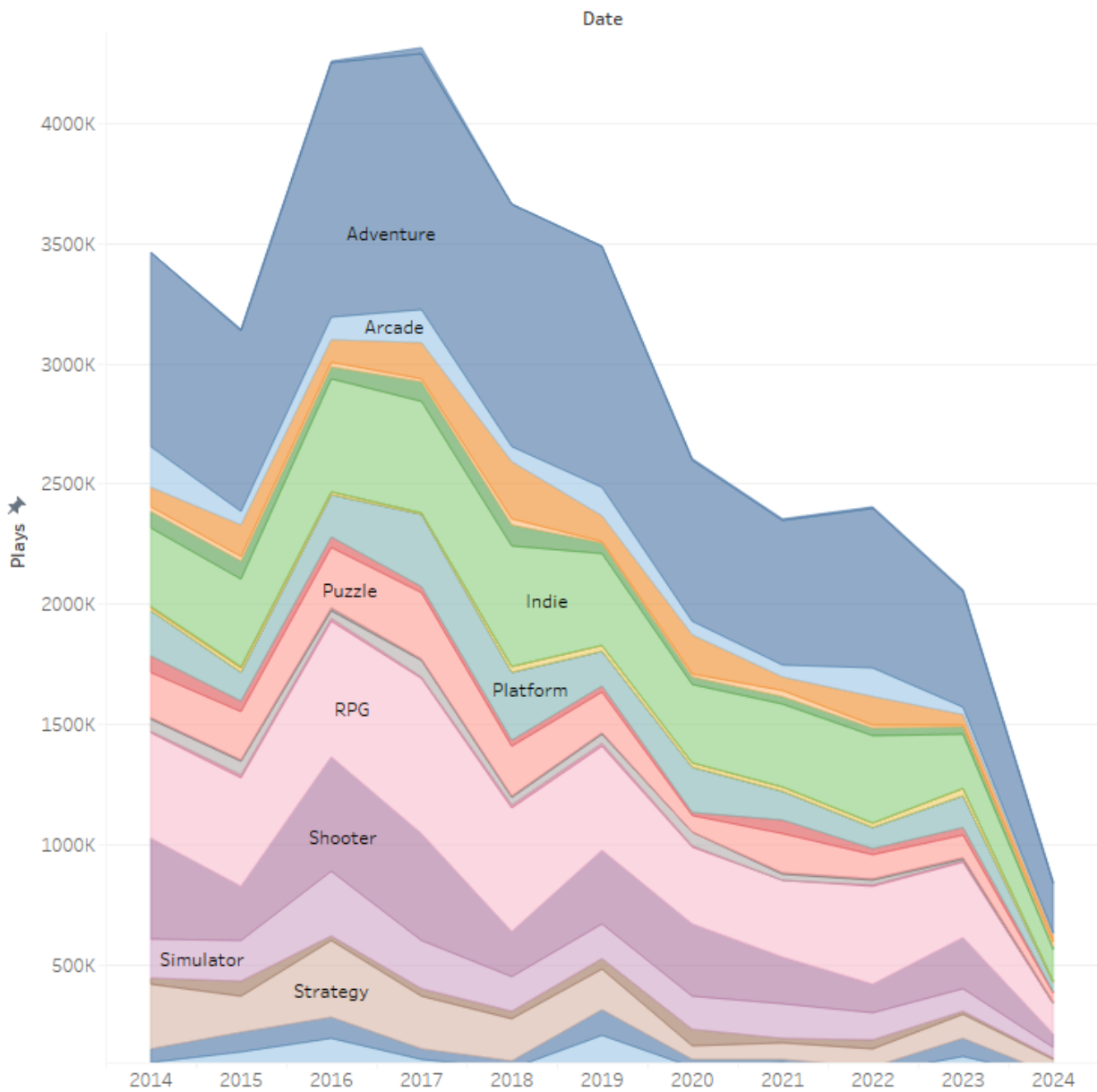
E. Cross-Platform Accessibility

Games with broader accessibility across platforms, such as *Baldur's Gate 3* and *Apex Legends*, perform better in player retention. Cross-platform play enables users from different devices to connect seamlessly.

F. Community Impact

High concurrent player counts reflect active communities, which attract more players. Engagement tools like forums, tournaments, and leaderboards further strengthen these ecosystems.

2. Released in the last 10 years segregated as per genre.

Release year by total play count

Insights:

A. Action/Adventure

Players are drawn to immersive worlds with rich narratives and innovative gameplay mechanics. Open-world exploration remains a key attraction.

B. Role-Playing Games (RPGs)

RPGs with deep storytelling and expansive worlds continue to dominate, especially those that offer player-driven choices and replayability.

C. Shooters

Fast-paced, competitive multiplayer FPS games thrive due to their community-driven nature and regular updates.

D. Battle Royale

The genre's rise highlights the appeal of high-stakes, last-player-standing gameplay, with a focus on strategy and adaptability.
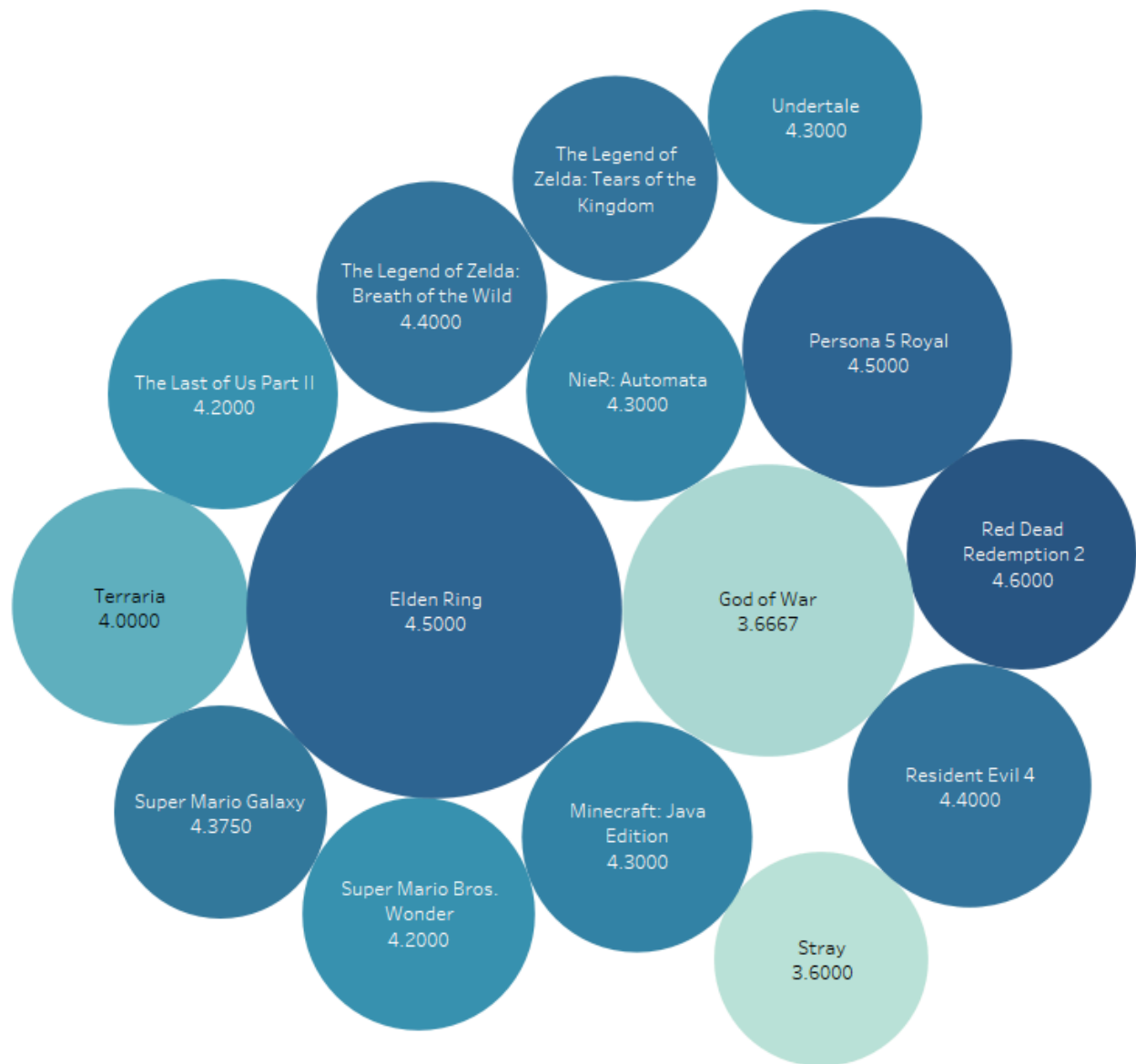
E. Simulation/Strategy

Players enjoy the creative freedom and strategic depth these games offer, often as a relaxing alternative to action-heavy titles.

F. Indie Games

Indie games have carved a niche by delivering unique art styles, innovative mechanics, and emotionally resonant stories.

3. Most Reviewed game with their respective rating

Rating and review count

Insights:

A. Highly Rated Games

Games like *The Legend of Zelda: Breath of the Wild* and *Elden Ring* consistently receive high ratings (9/10 or above) due to their innovative gameplay, expansive worlds, and engaging narratives.

B. Community Favorites

Multiplayer games such as *Minecraft and Terraria* are frequently reviewed, reflecting their active player bases and strong community engagement.
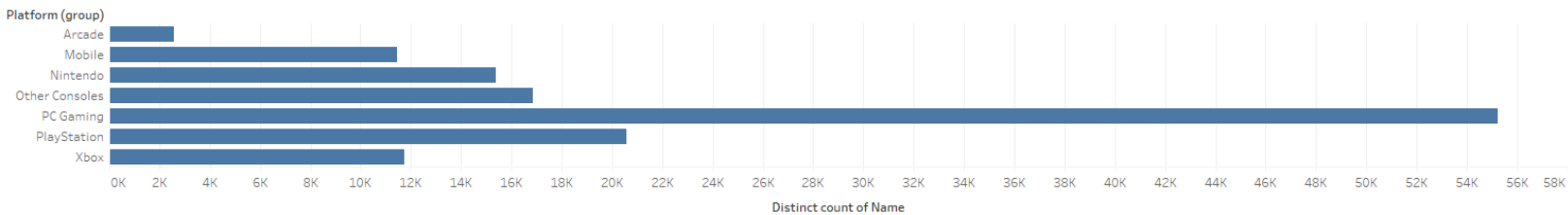
C. Indie Game Success

Indie titles like *Undertale* and *Stray* have garnered exceptional reviews, showcasing the growing appreciation for unique storytelling and creative mechanics.

D. Remastered Classics

Remastered versions of beloved games, such as *Persona 5*, often receive high ratings due to nostalgia and improved graphics or gameplay or incorporation of new platforms.

4. Platform with respect to the titles launched in them

Title released in Platform

A. PC (Windows/Linux/Mac)
- **Popular Titles**: *Counter-Strike 2*, *Dota 2*, *Baldur's Gate 3*.
- **Insight**: PC remains a dominant platform for competitive and strategy games, thanks to its flexibility and hardware customization options.

B. Consoles (PlayStation/Xbox)
- **Popular Titles**: *God of War (2018)*, *The Last of Us Part II*, *Forza Horizon 5*.
- **Insight**: Consoles excel in delivering immersive single-player experiences and exclusive titles that leverage their hardware capabilities.
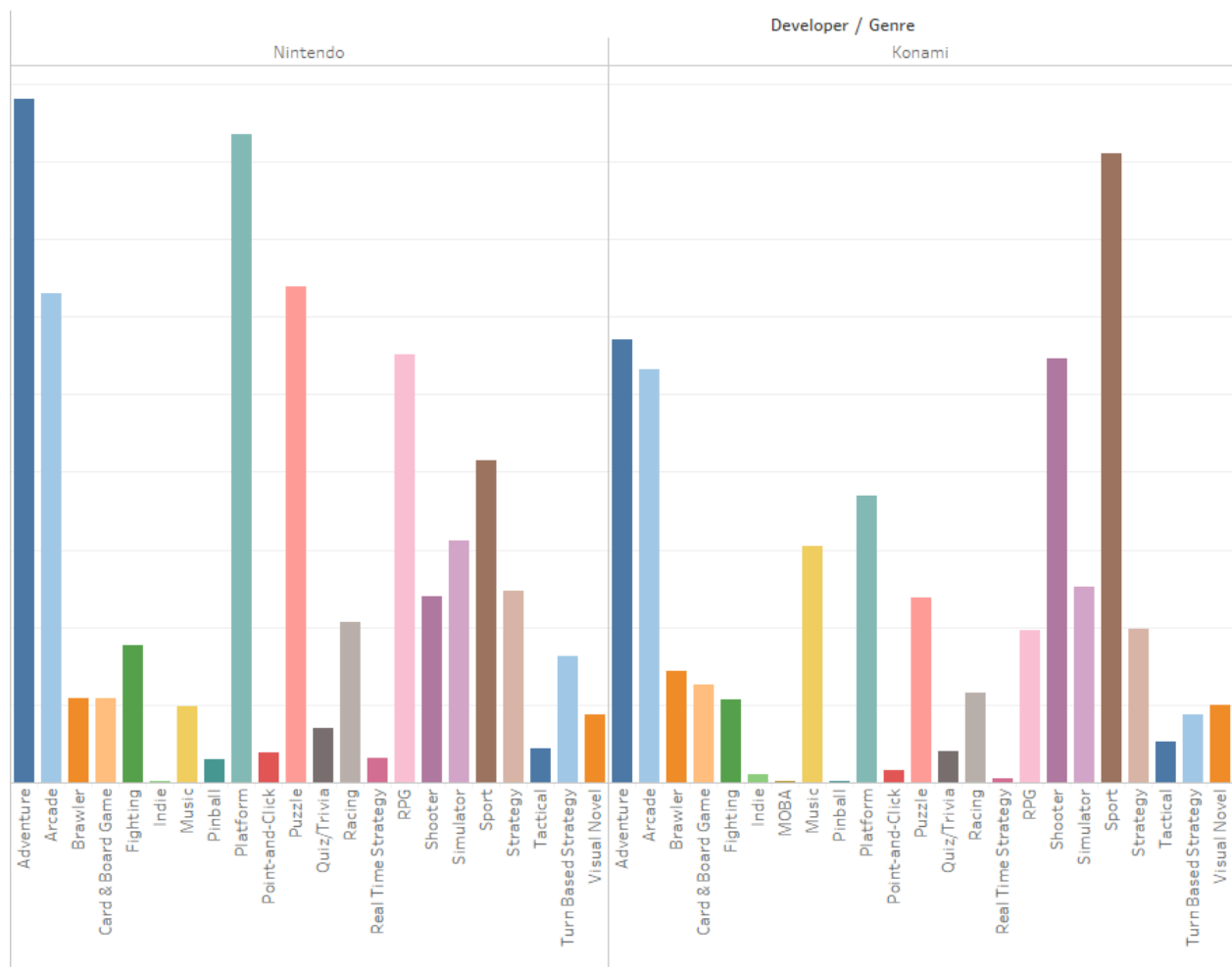
C. Mobile (iOS/Android)
- **Popular Titles**: *PUBG Mobile, Genshin Impact, Marvel Snap*.
- **Insight**: Mobile gaming thrives on accessibility and free-to-play models, attracting a massive global audience.
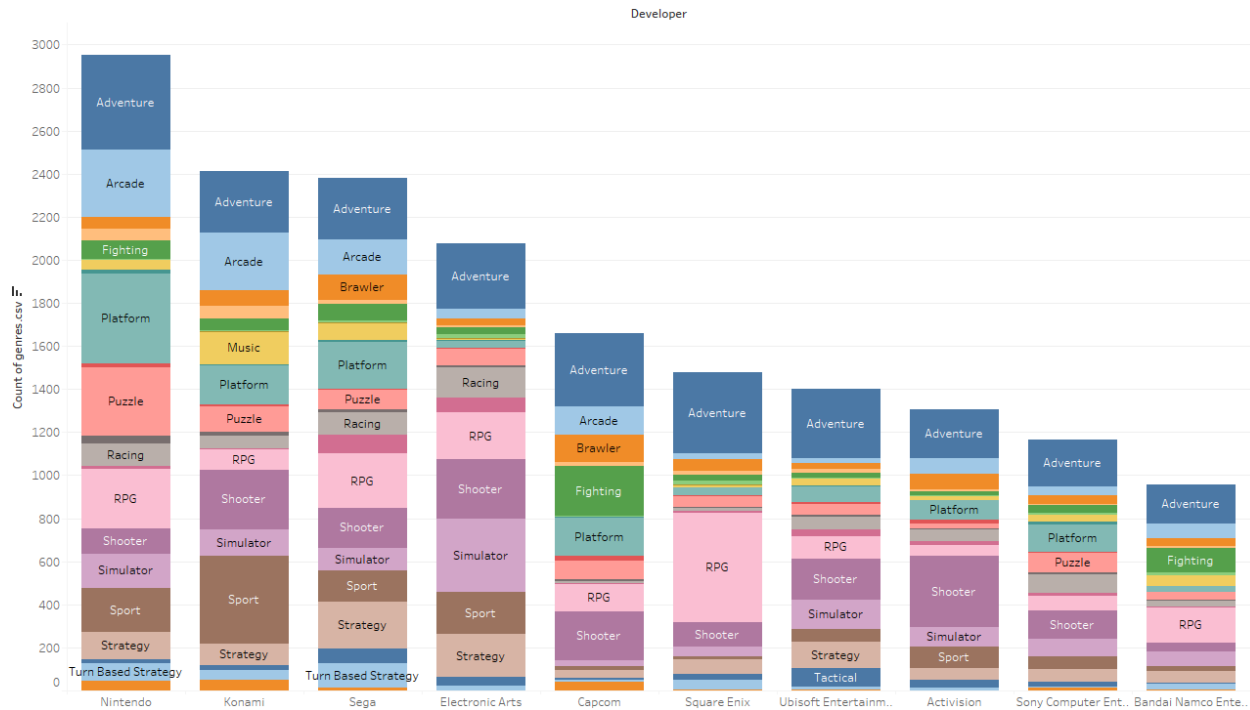
D. Cross-Platform
- **Popular Titles**: *Fortnite, Apex Legends, Minecraft*.
- **Insight**: Cross-platform compatibility is a key driver for multiplayer games, enabling seamless play across devices and expanding player bases.

5. Establish relationship between Genre and Developer:
- ○ Helps understand Developers' strong suit.
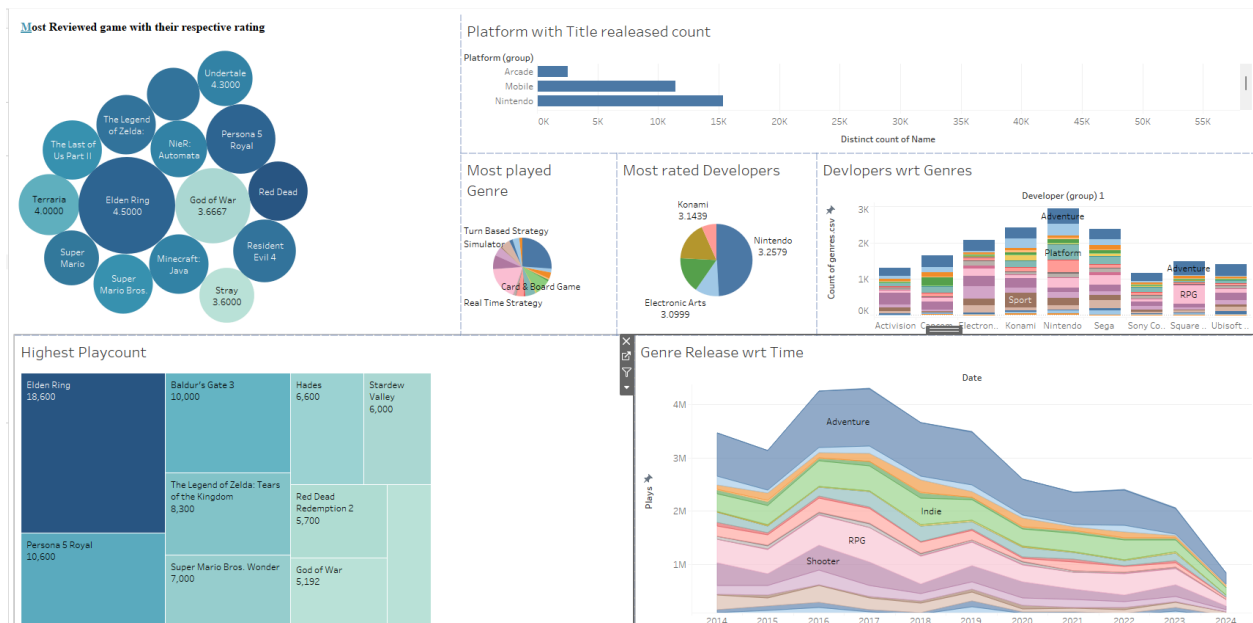- ○ Understand genre popularity.

Understanding Konami and Nintendo's most sought after genre.

Stacked Graphs to understand distribution of genre wrt Developers

- Understand Highest Play count and their respective rating:
  - Helps us understand the Play distribution
  - Also help us understand how higher rating doesn't necessarily translate into high play count

Dashboard:

Conclusion:

In today's dynamic gaming landscape, data-driven insights provide valuable guidance for both players and developers. We've observed that **concurrent player counts** offer a clear snapshot of a game's current popularity and the robustness of its multiplayer communities. Titles such as *Counter-Strike 2* and *Dota 2* lead the charts, reflecting competitive gameplay and strong community engagement.

When delving into **genre-specific trends over the last 10 years**, it becomes clear that modern gamers crave immersive experiences. Whether through detailed storytelling in RPGs like *Elden Ring* or exciting tactical action in FPS titles such as *DOOM Eternal*, the emphasis is on innovation, replayability, and narrative depth. Indie games and remastered classics further underscore the market's appreciation for both creative risk-taking and nostalgia.

The **most reviewed games** further highlight this trend—exceptional ratings are often aligned with strong player loyalty, active communities, and low friction in joining matchmaking lobbies. High review counts and scores are indicators that games not only resonate with audiences but also continue to improve through iterative updates.

Finally, the insights on **platform-specific releases** reveal how strategic deployment across various hardware ecosystems—PC, consoles, mobile, cross-platform, VR/AR, and cloud gaming—shapes accessibility and success. Each platform offers unique strengths, from the hardware customization and competitive scene on PC to the immersive, exclusive titles on consoles, and the wide-reaching appeal of mobile and cloud solutions.

Together, these insights paint a comprehensive picture: the success of a game today rests on innovative gameplay, continuous community engagement, and the flexibility to thrive across diverse platforms. This integrated understanding benefits game developers refining their offerings and players seeking the most dynamic and engaging gaming experiences.

This conclusion encapsulates the multifaceted dynamics of the gaming industry, offering a concise roadmap for interpreting current trends and making informed choices in a rapidly evolving digital playground.