



➤ *Analytical  
Approach*  
*Nathan Evans*

# GameCo Marketing Budget 2017

# GameCo's Understanding



GameCo's assumption is that game sales have been steady and do not fluctuate over time across regions.



Utilize data analytics to examine variables and develop insights.



Adapt GameCo's marketing budget strategy to reflect its revised understanding.



Make recommendations focusing on four key variables:

***Region***

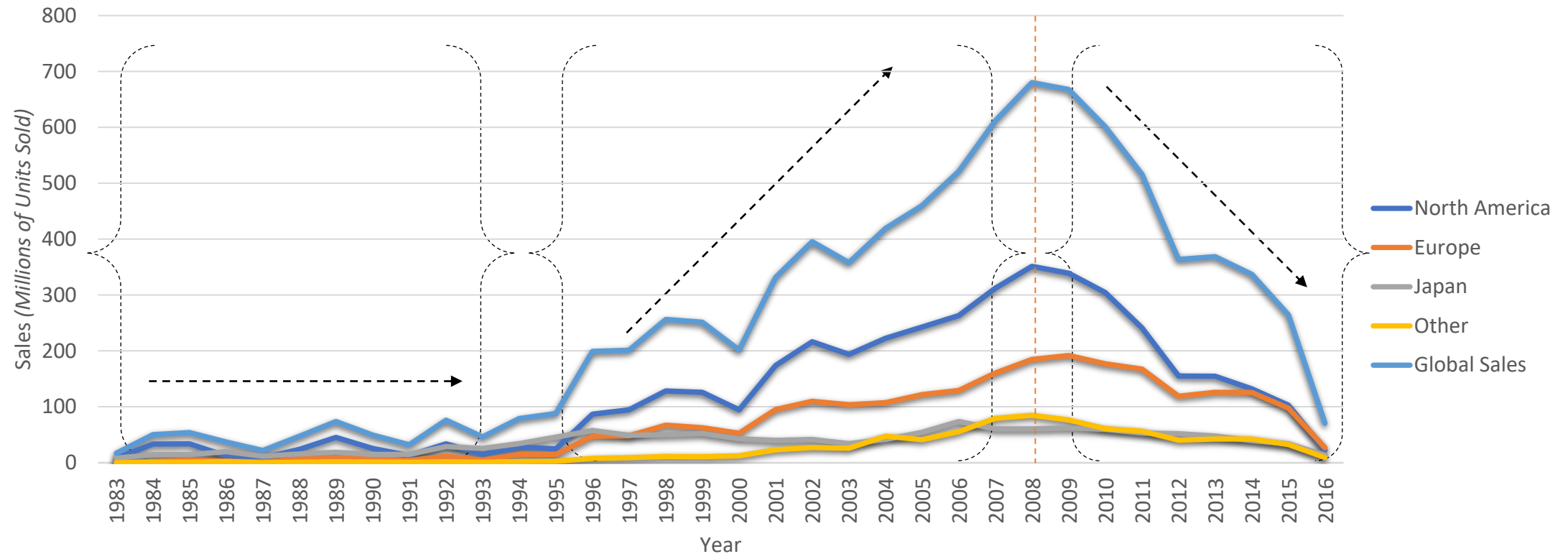
***Platform***

***Genre***

***Publisher***

# Game Sales Over Time

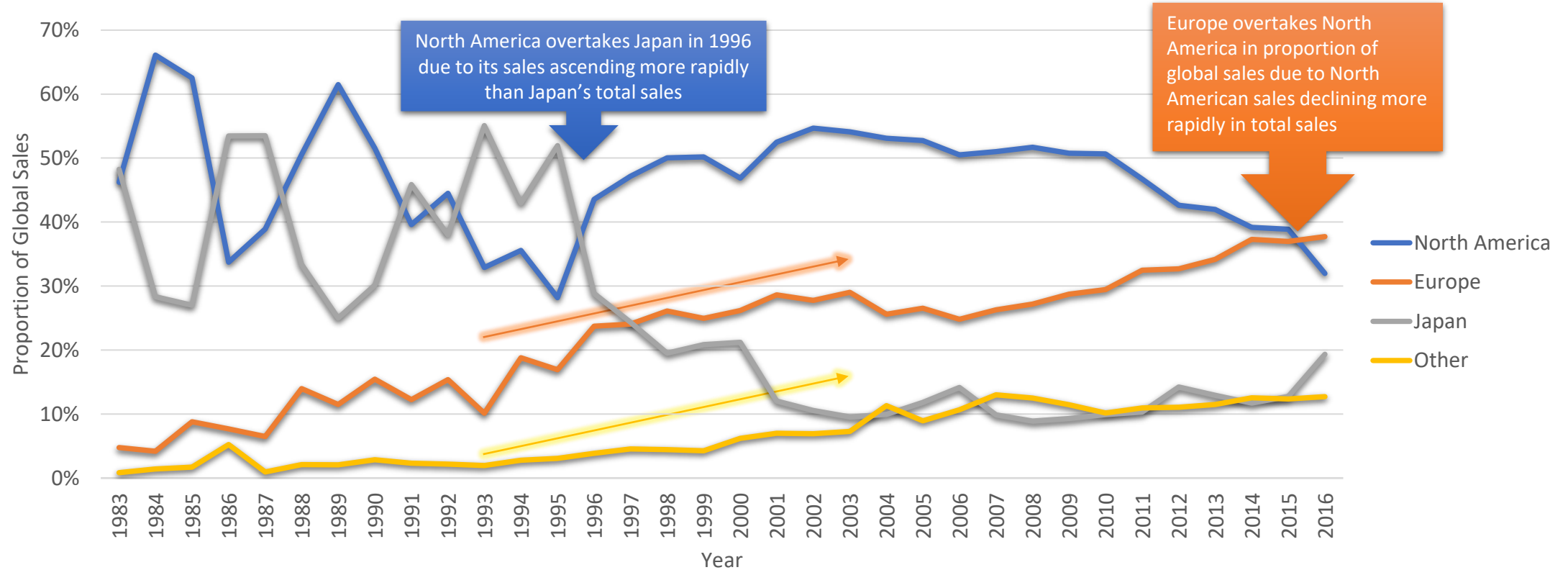
*Figure 1. Sales Over Time by Region (1983-2016)*



- Game sales from 1983 to the early-mid 1990s were steady.
- Game sales from the mid-1990s to 2008 increased.
- In 2008, game sales peaked and declined until present time.

# Proportional Sales

**Figure 2. Proportion of Global Sales by Region Over Time (1983-2016)**



- North America and Japan traded back and forth struggling for dominance in proportional sales from 1983-1996.
- North America pulled ahead and was the leader in proportional sales until 2015.
- Europe became the leader of all regions in proportional sales in 2015.
- From 1983-2016, both Europe and Other region showed a slow, steady increase of proportional sales.

# Upper Bound Outliers

Figure 3. Global Sales Per Game (1983-2016)  
[Scaled In to See Details]

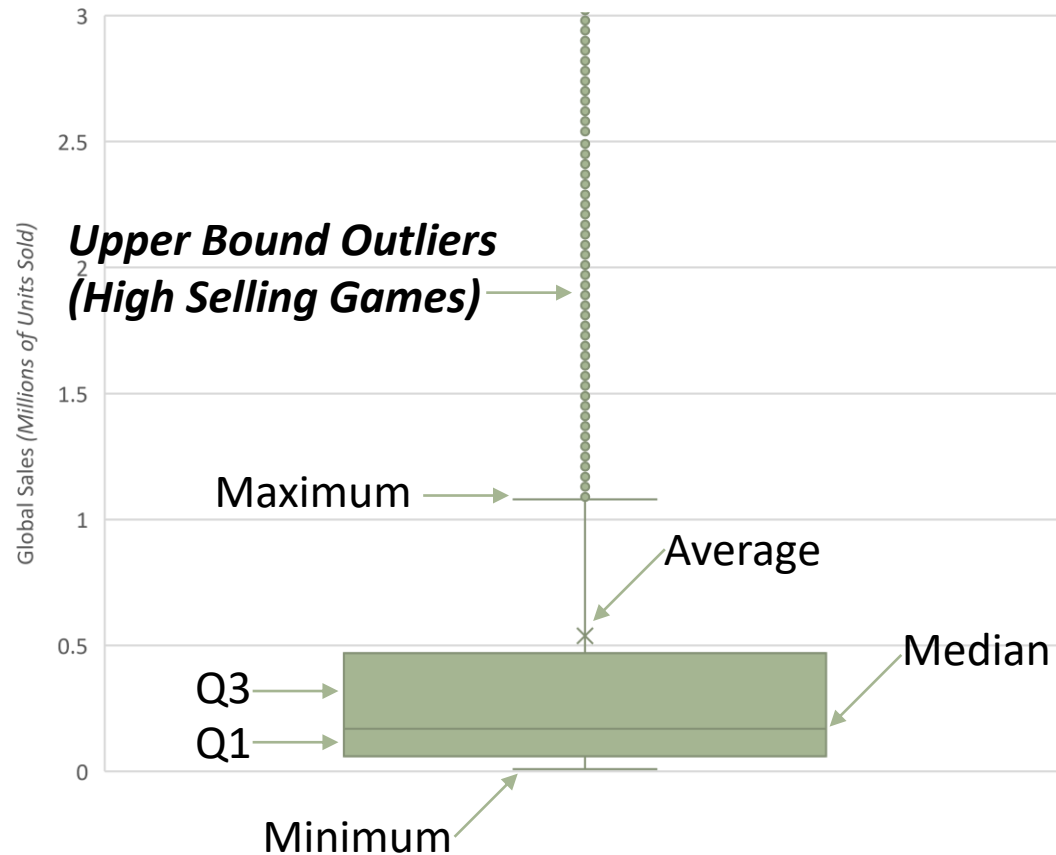
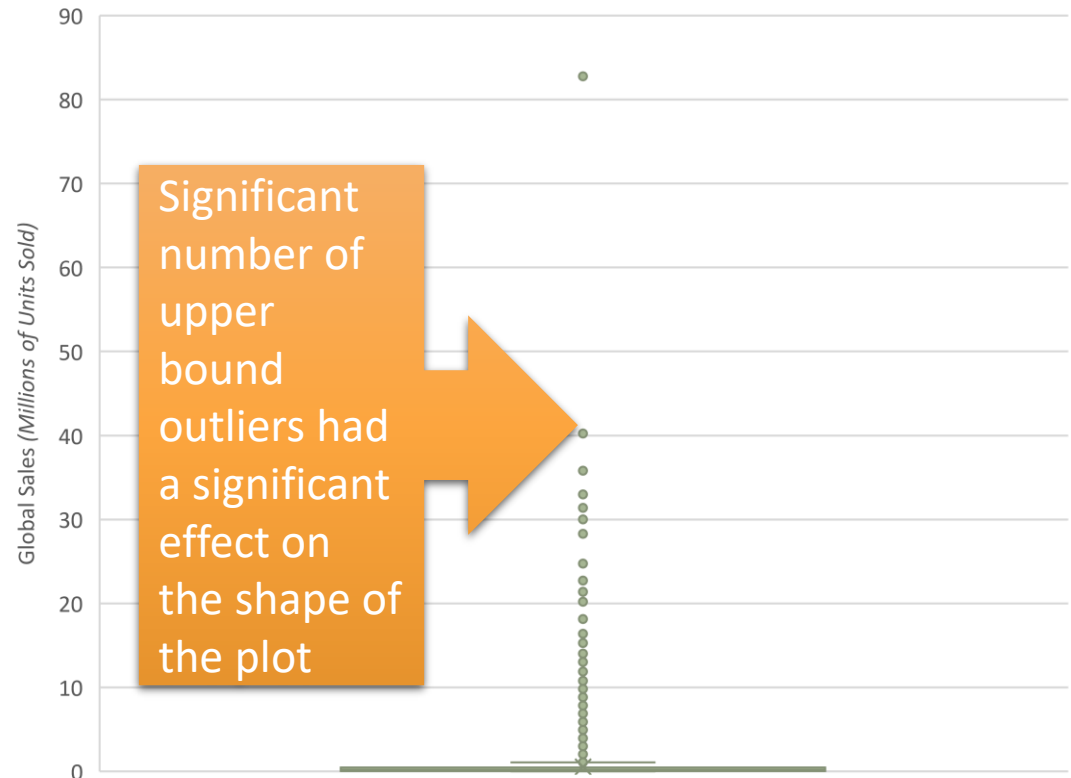


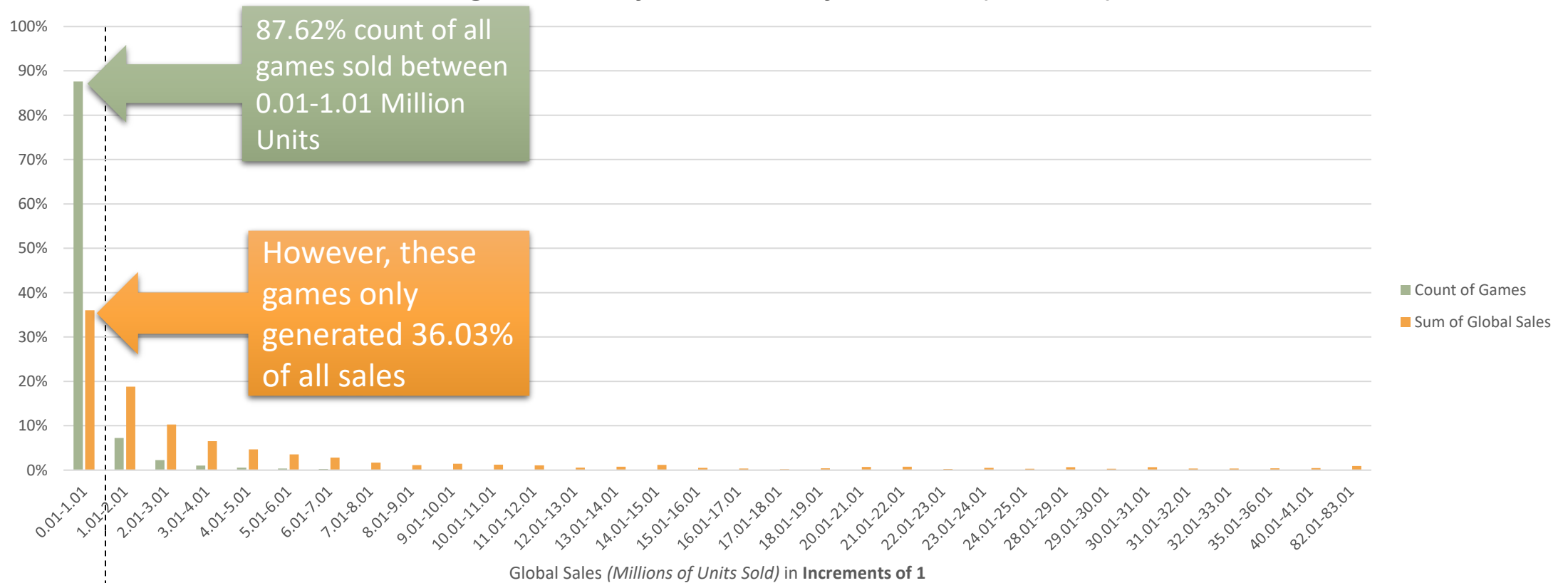
Figure 4. Global Sales Per Game (1983-2016)  
[Full Scale]



➤ **GameCo should focus its marketing and advertising budget on the upper bound outliers (high selling games).**

# Distribution of Game Sales

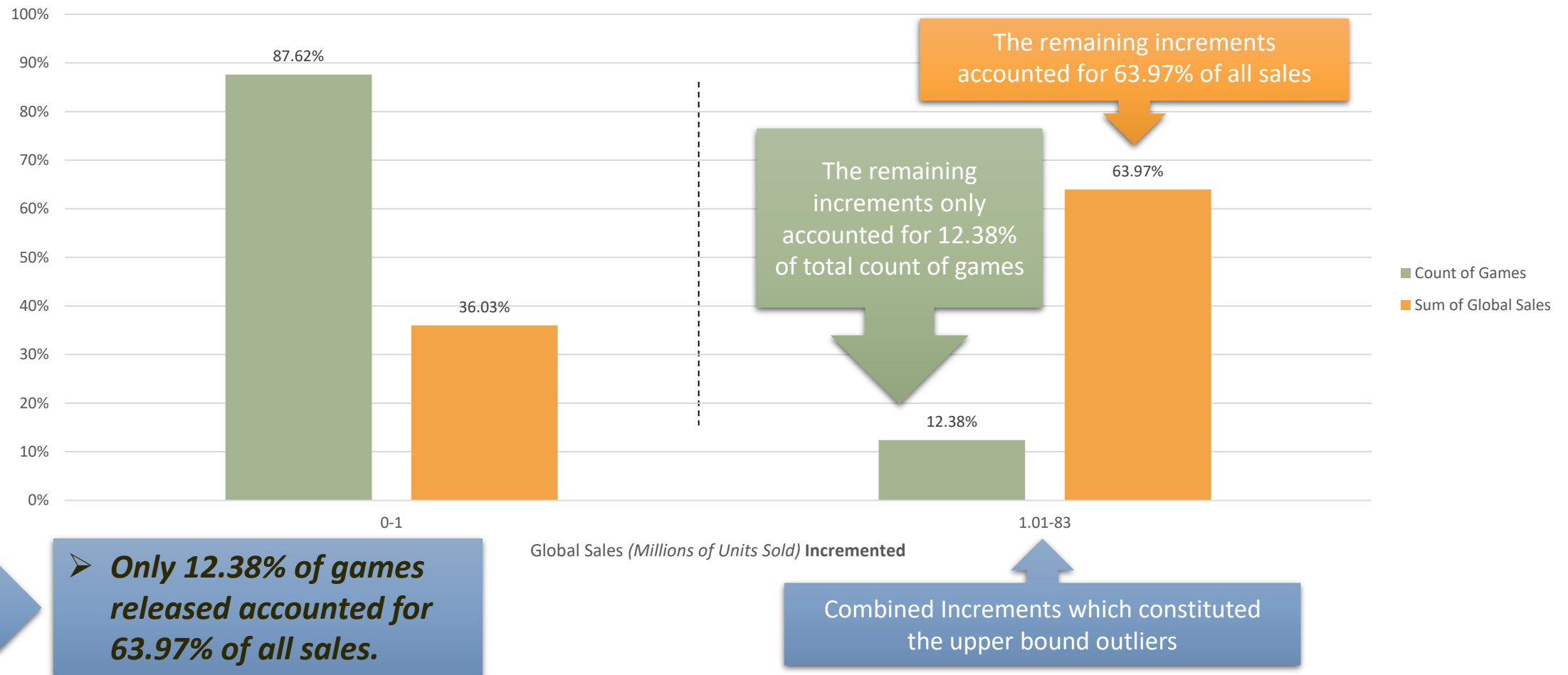
Figure 5. Count of Games & Sum of Global Sales (1983-2016)



➤ How do the remaining increments (upper bound outliers) compare?

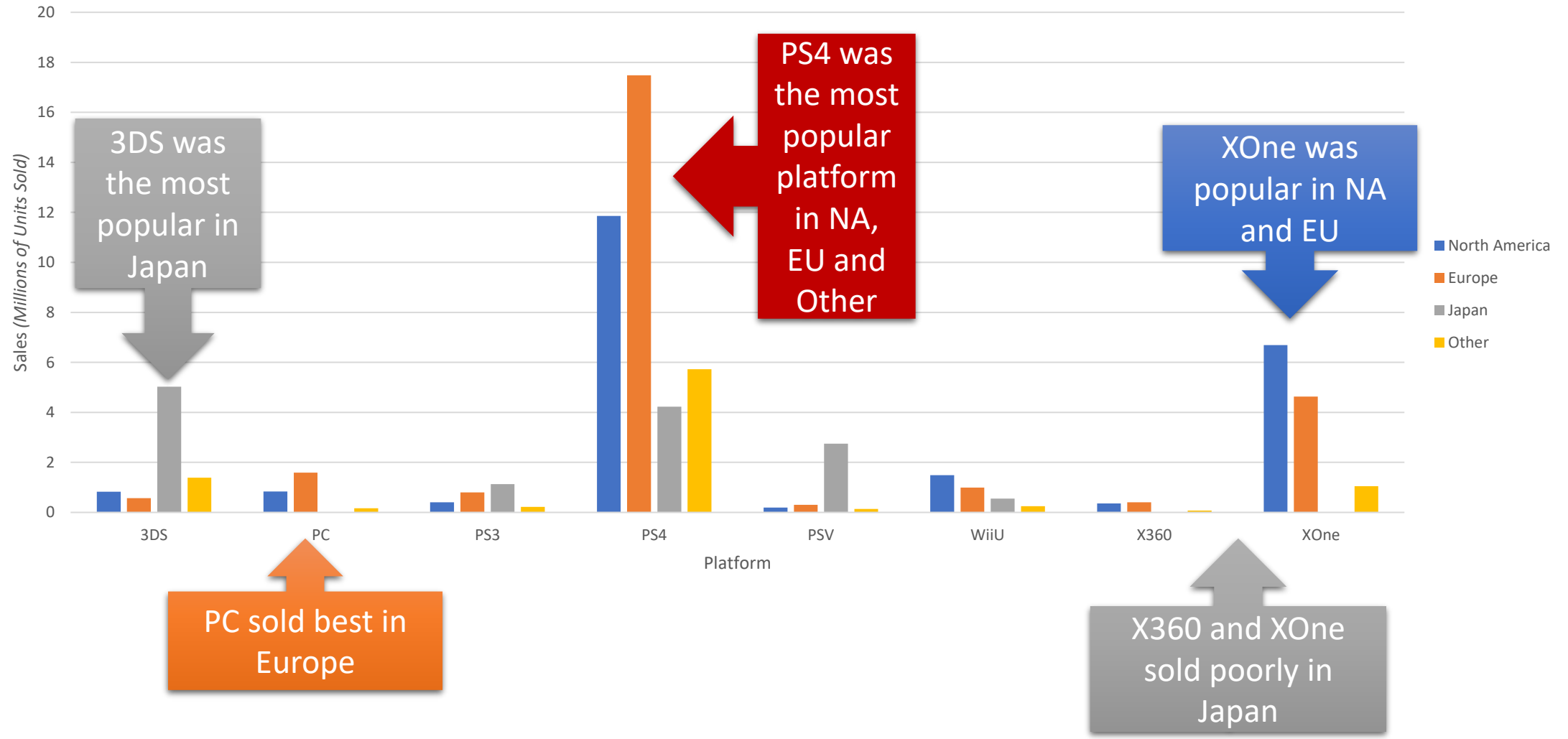
# Distribution of Game Sales

Figure 6. Count of Games & Sum of Global Sales (1983-2016)



# Regional Sales by Platform

Figure 7. Platform Sales Per Region (2016)





# Best Selling Genres (2012-2016)

Figure 8. North America



Figure 9. Europe



Figure 10. Japan



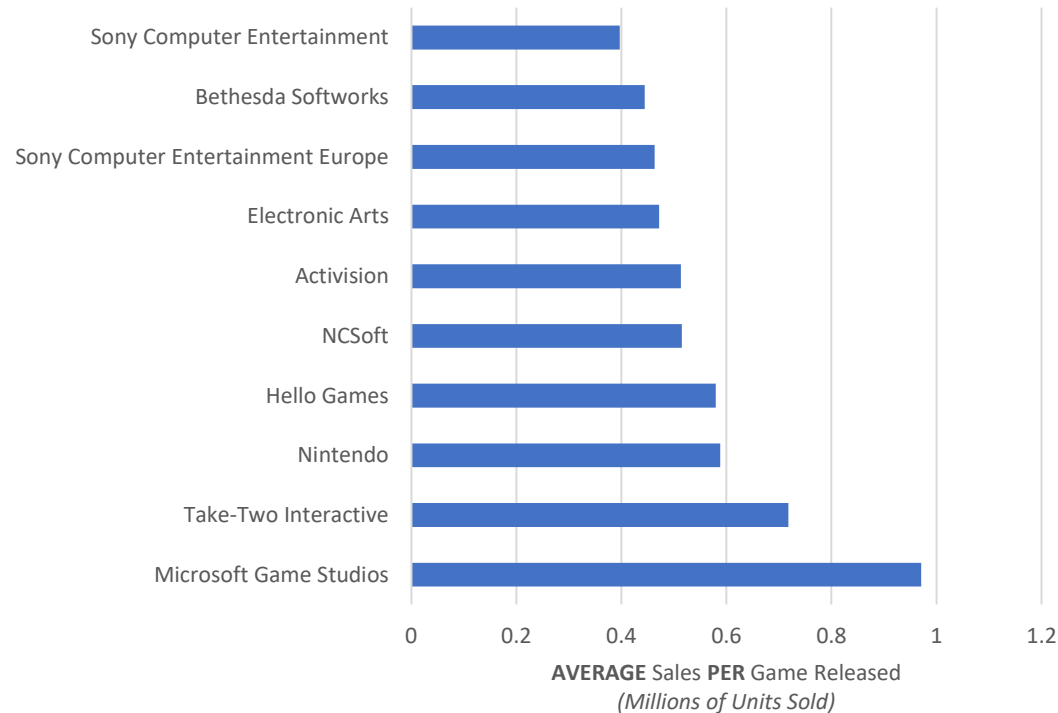
Figure 11. Other



- **Action, Shooter and Sports** were the 3 most popular *genres* in **North America, Europe and Other**.
- **Role-Playing, Action and Misc.** were the 3 most popular *genres* in **Japan**.

# Best Selling Publishers (2012-2016)

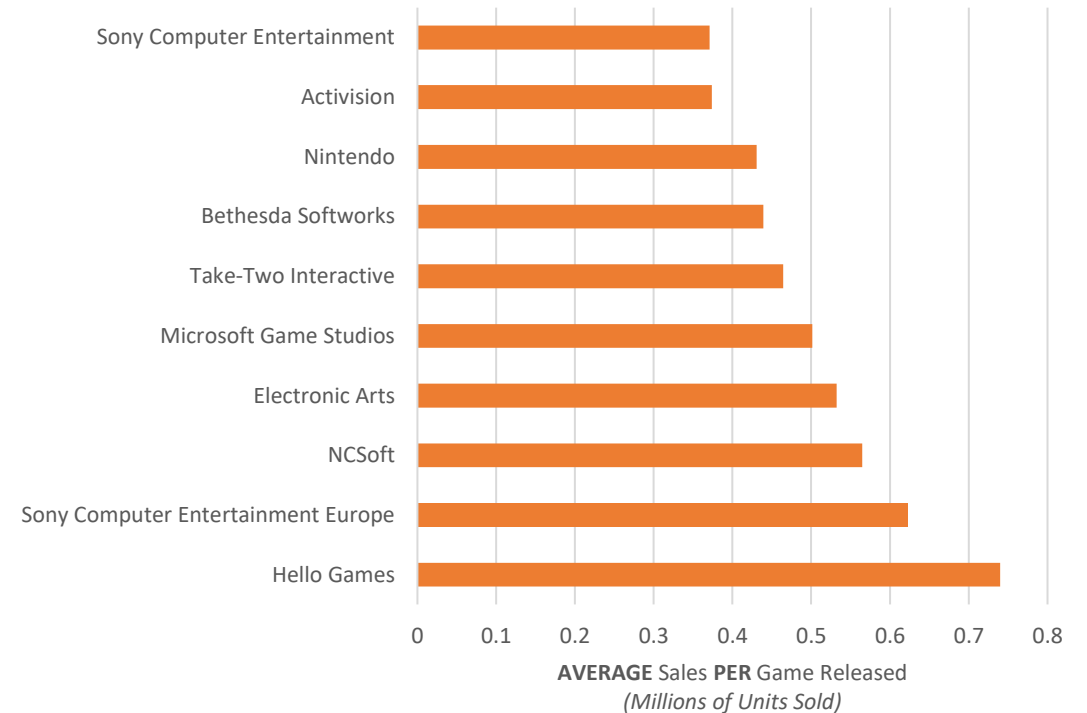
*Figure 12. North America*



In **North America** from 2012-2016 the top 3 Publishers based on AVERAGE Sales PER Game were:

- **Microsoft Game Studios**
- **Take-Two Interactive**
- **Nintendo**

*Figure 13. Europe*

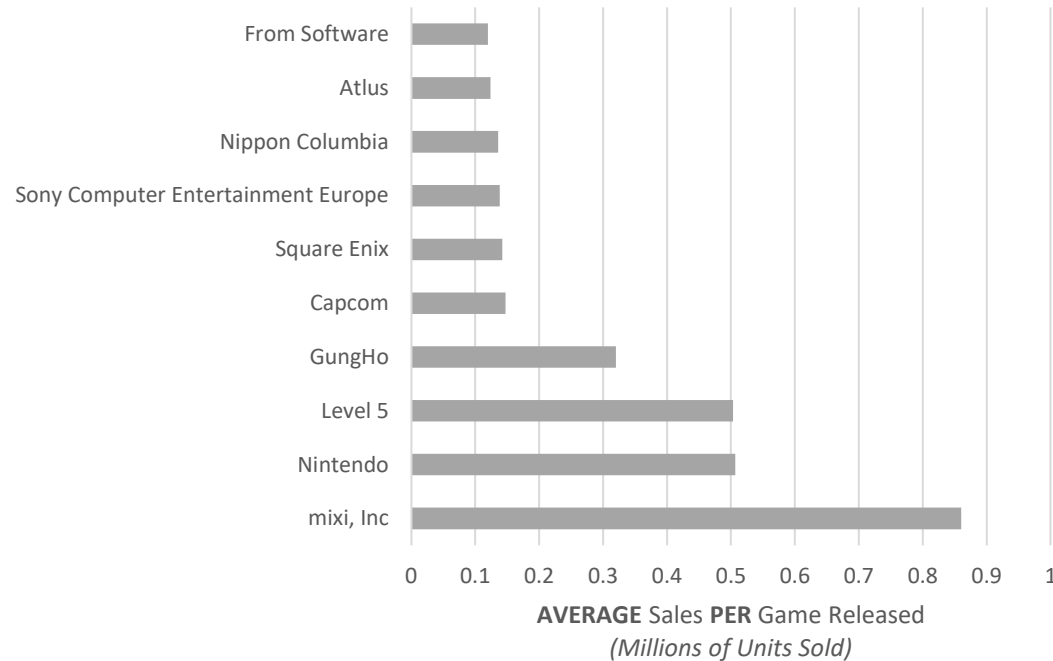


In **Europe** from 2012-2016 the top 3 Publishers based on AVERAGE Sales PER Game were:

- **Hello Games**
- **Sony Computer Entertainment Europe**
- **NCSOft**

# Best Selling Publishers (2012-2016)

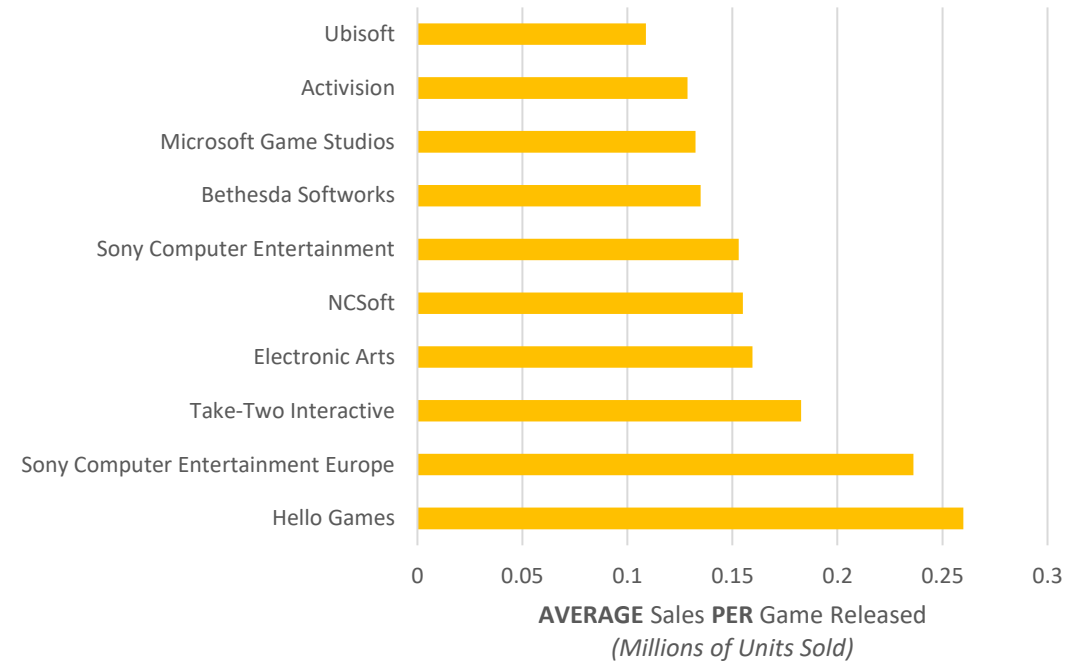
Figure 14. Japan



In **Japan** from 2012-2016 the top 3 *Publishers* based on AVERAGE Sales PER Game were:

- **mixi, Inc**
- **Nintendo**
- **Level 5**

Figure 15. Other



In **Other** from 2012-2016 the top 3 *Publishers* based on AVERAGE Sales PER Game were:

- **Hello Games**
- **Sony Computer Entertainment Europe**
- **Take-Two Interactive**

# Recommendations

- **North America** – focus on the **PS4** and **Xbox One** platforms and **Action, Shooter** and **Sports** genres. Focus on games published by the top 10 publishers for North America.
- **Europe** – focus on **PS4** and **Xbox One** platforms and **Action, Shooter** and **Sports** genres. Shift PC platform marketing primarily to Europe as it has the most PC sales. Europe has overtaken North America as the top region in proportional sales; therefore, shift marketing towards this region. Focus on games published by the top 10 publishers for Europe.
- **Japan** – focus on **3DS, PS4** and **PSV** platforms and **Role-playing, Action** and **Misc.** genres. **PC and Xbox** is **nearly zero**, reduce marketing for these platforms. Focus on games published by the top 10 publishers for Japan.
- **Other Regions** – focus on **PS4, 3DS** and **Xbox One** platforms and **Action, Shooter** and **Sports** genres. Focus on games published by the top 10 publishers for Other. This region's proportional sales have been steadily increasing over time. Consider gathering more data to differentiate these regions as they become a higher proportion of global sales in the future.