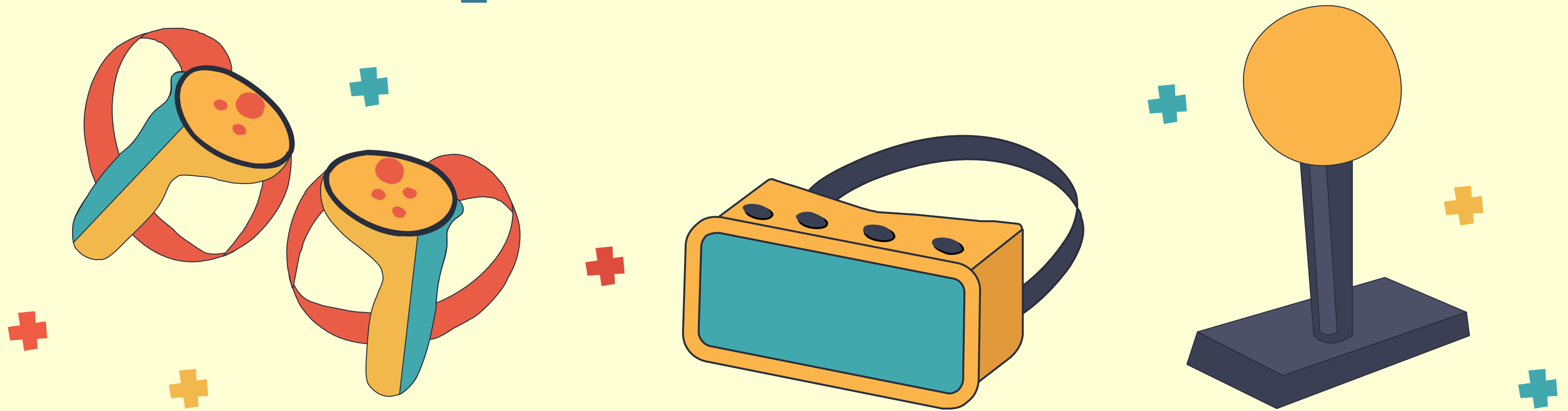
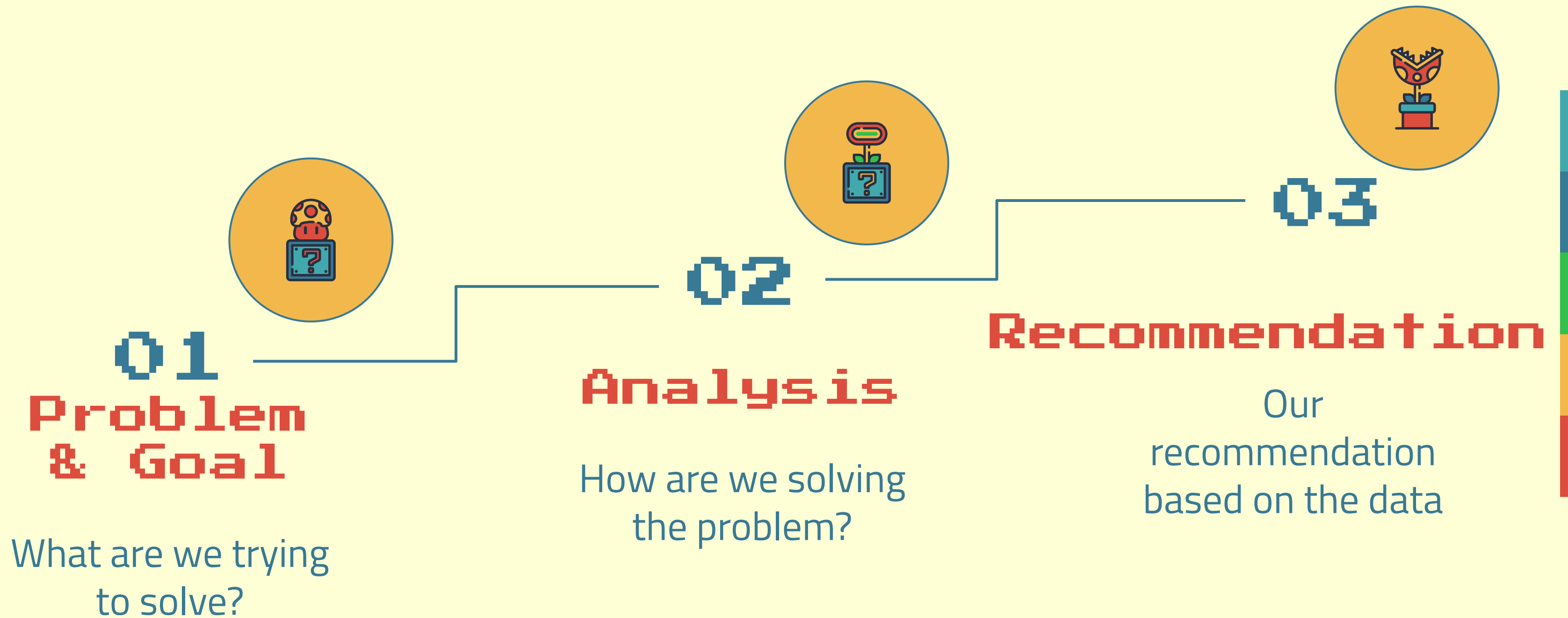


# Ready, Set, Go!

Data Analysis: The Video Game Market  
Kyle Brinker and Janie Ha



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# Our Problem & Goal



## Our Problem

A Video Game Production company is looking to launch their **next big product**. Given the size of the market and the overwhelming amount of data available, our firm was hired to analyze all video games currently available in the market.

## Goal

Our goal is to recommend what **video game genre** will be most profitable for the production company to launch next.

# Our Data Set

Why did we choose our Data?

Reason 1



**Revenue**

- Global Revenue
- Regional Revenue

Reason 2



**Genre**

- Games classified by different genres

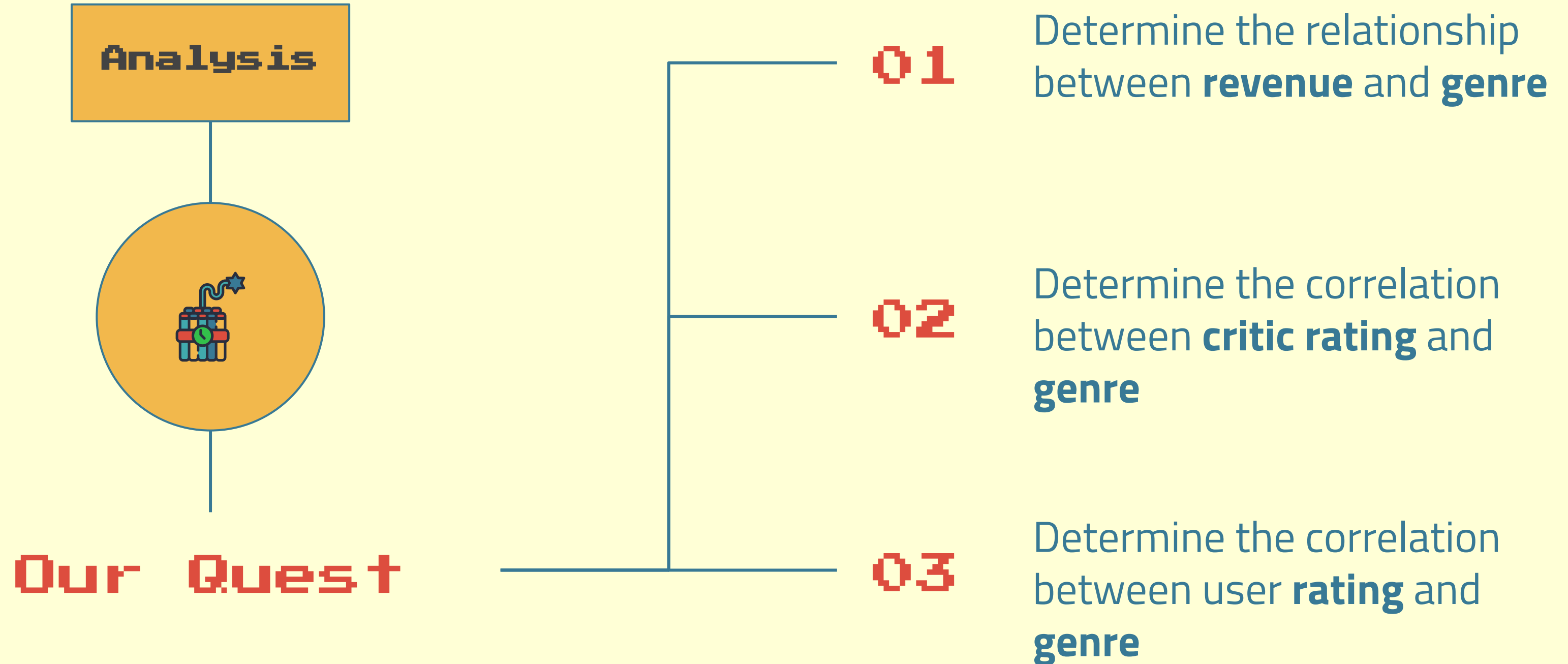
Reason 3



**Rating**

- User Rating
- Critic Rating

# What Are We Trying to Achieve?

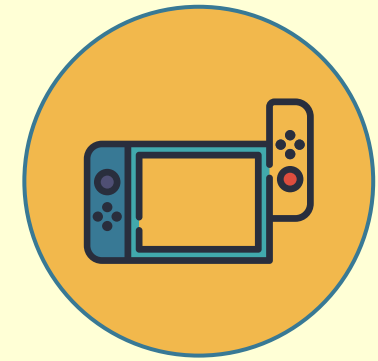
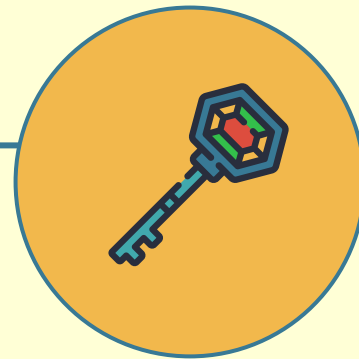


# Step 1: Data Cleaning



## Trim Names

Trimmed extra spaces in names of game titles and genre



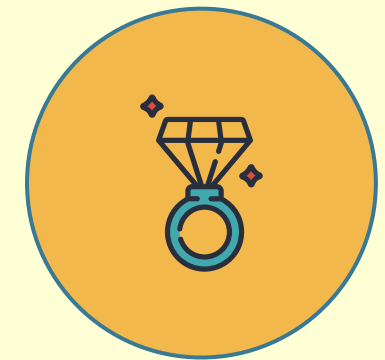
## Reformat Numbers

Updated number format from 00.00 -> 00,000

## Step 2: Statistical Analysis (SQL)

### Genre and Revenue

1. Calculated the **total revenue** across **different regions and globally** for each video game genre- providing insights into which video game genres have the **highest total sales globally**.



### Genre and Critic Score

2. Analyzed the relationship between **average critic scores, total critic counts, and total global sales** across genres to understand the **correlation** between critic data and global sales within each genre.

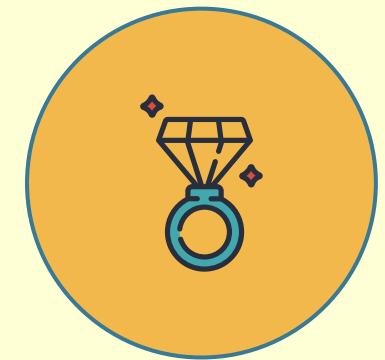


## Step 2: Statistical Analysis (SQL)

### Games and Ratings

3.

Identified the **top 10 rated video games** based on critic scores and their genre to confirm trend in top-rated games by genre.



### Games and Users

4.

Reviewed the **top 10 popular video games** based on **user counts and user scores** to identify the most popular games among users and understand the trend in genres.

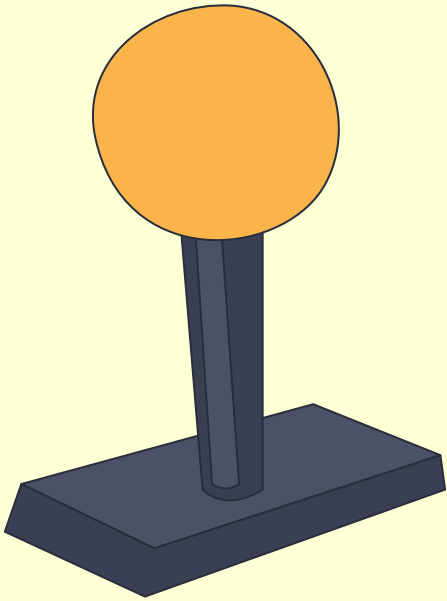
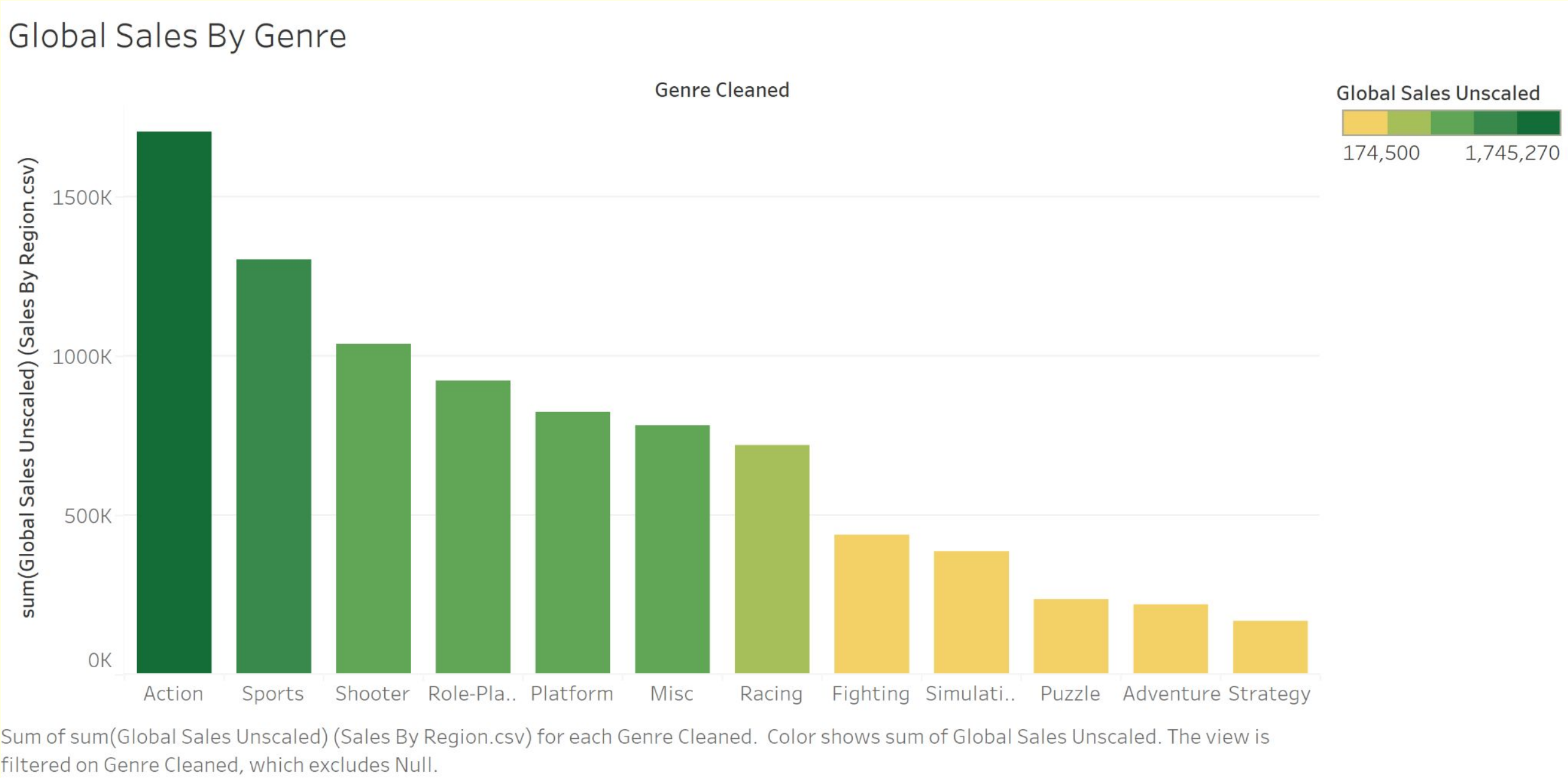




# Step 3: Results

## Genre vs. Revenue

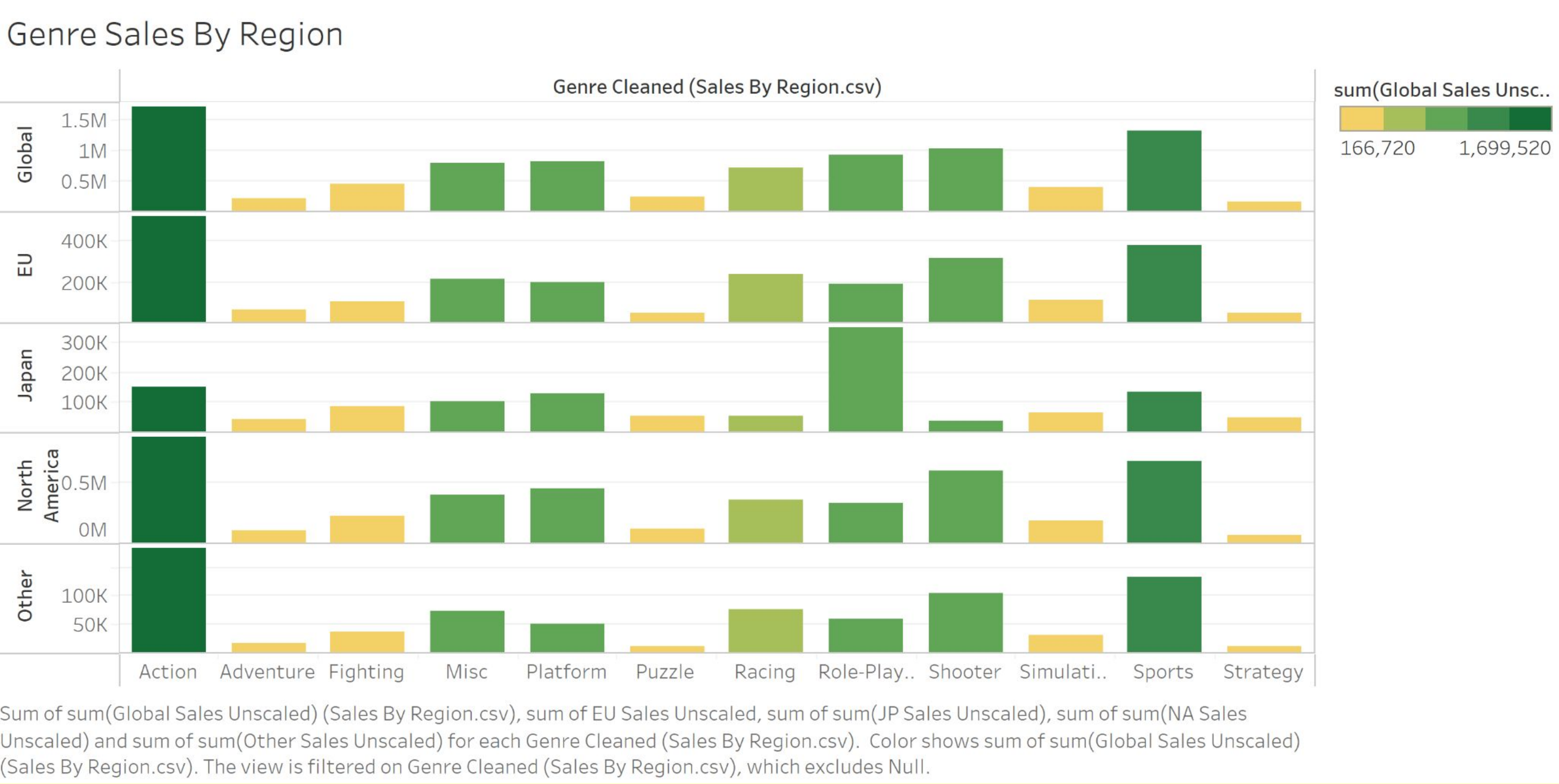
**Result:** Games with the genre of “Action” had highest sales across the globe.



# Step 3: Results

## Genre vs. Revenue

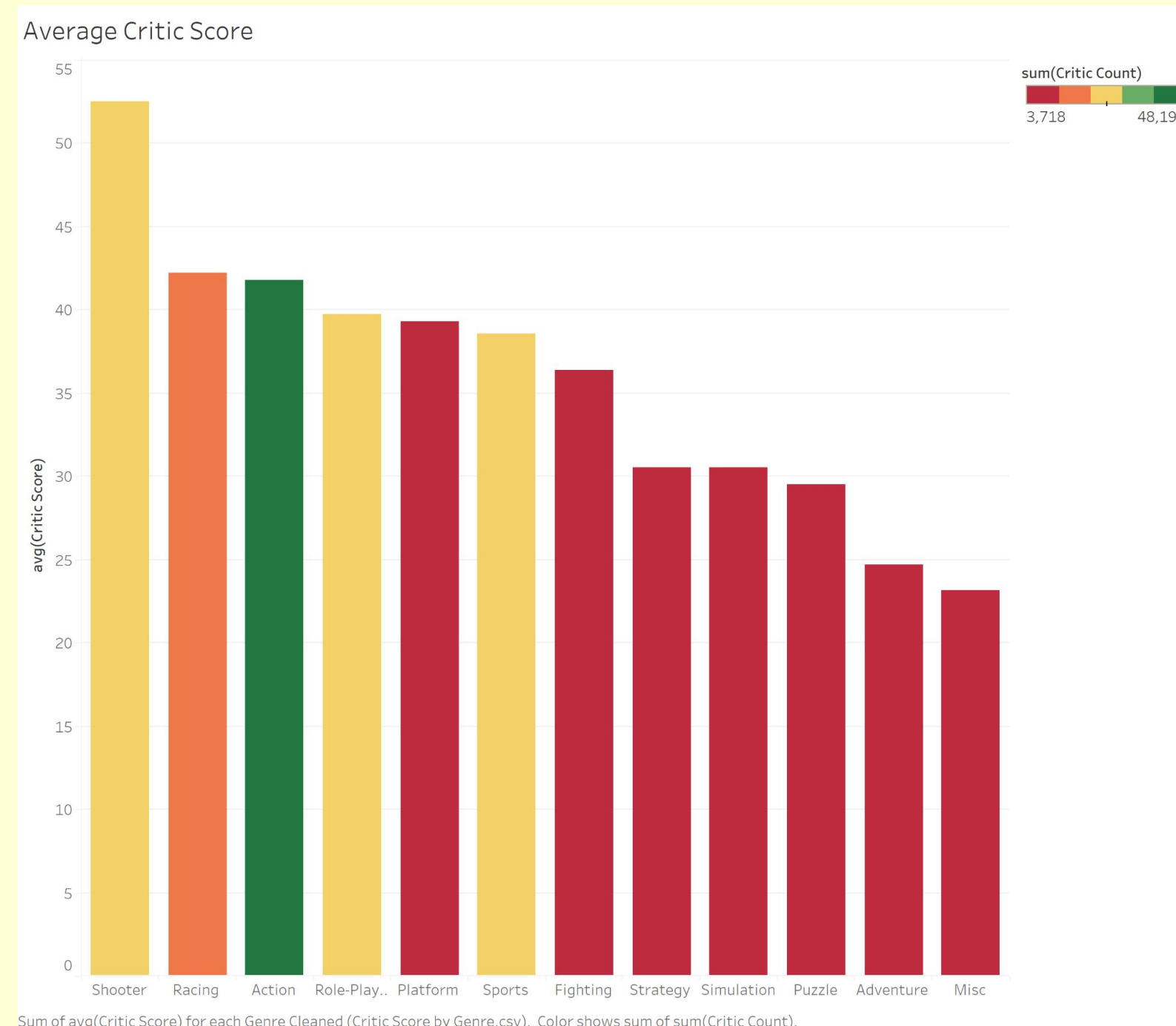
**Result:** Action had the highest revenue across North America, EU, and other countries with the exception of Japan.



# Step 3: Results

## Genre vs. Critic Rating

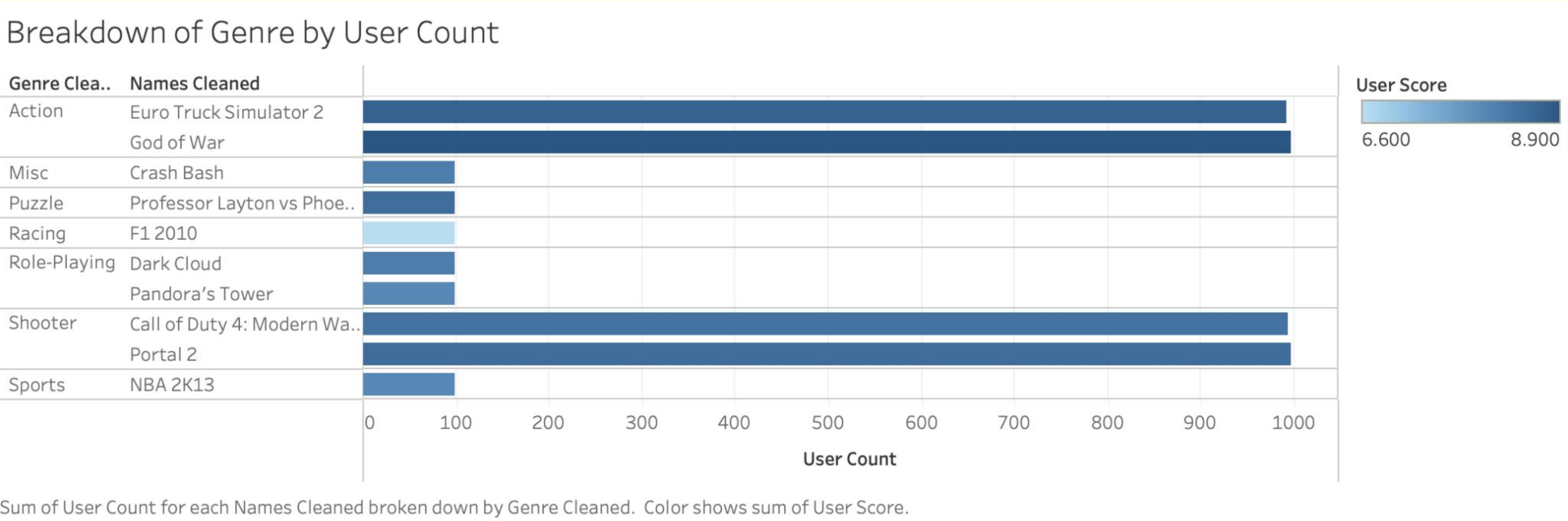
**Result:** Action had the **highest critic count** and came in **third** in terms of rating.



# Step 4: Results

## Genre vs. User

**Result:** Based on user count, we **extracted top 10 games** which showed that the top two games with the most user count was in the **Action category** for genre.



# Recommendations Summary



**Market**

What regions do we  
focus on?

**Product**

What genre of  
games would be  
successful?

# Recommendation: Product

Action!

Play!

The next product, to gain the most profitability across the globe, is to be an **action-based** game.

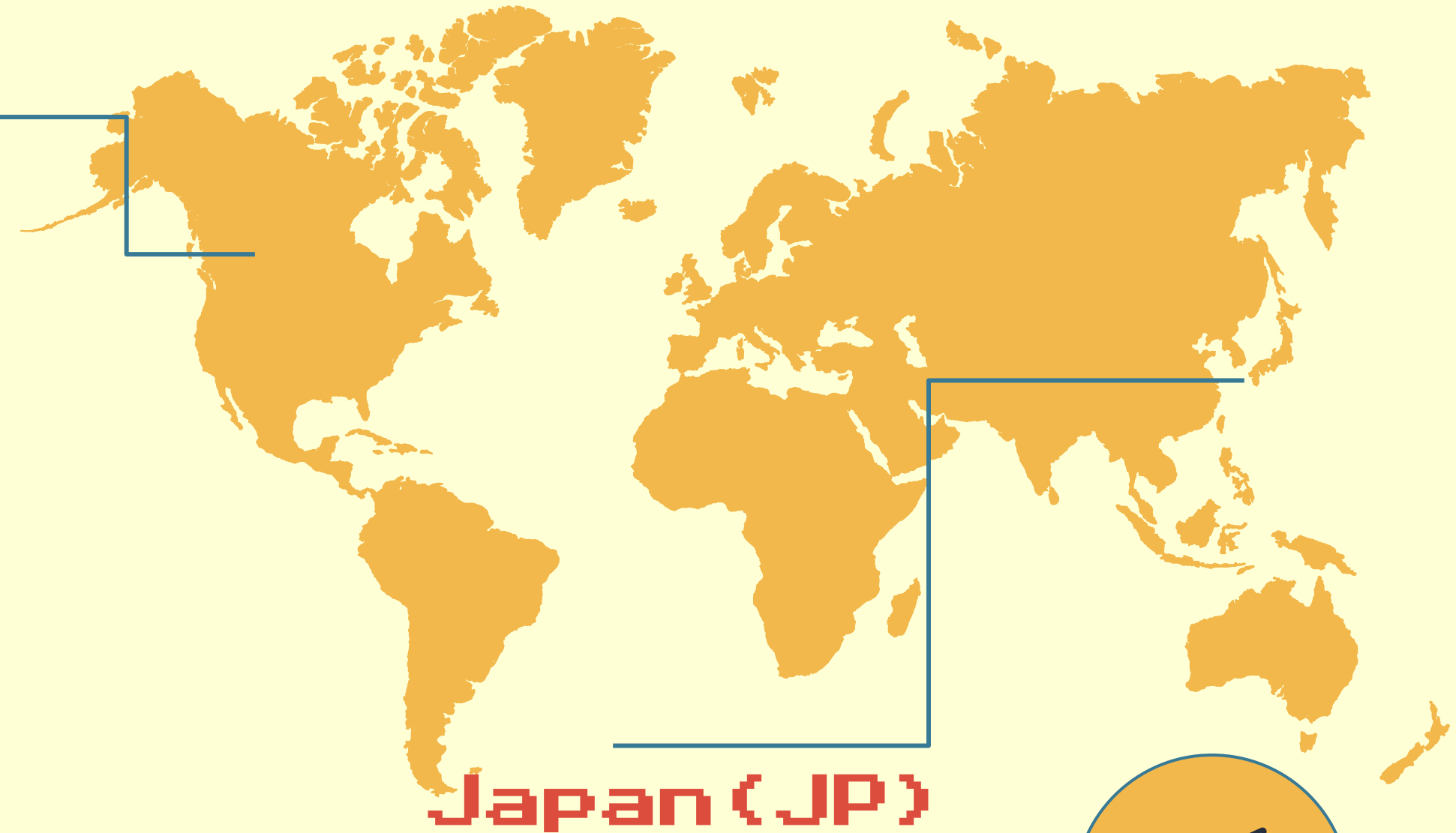
This recommendation is being made based on global sales revenue that shows strong correlation with the specific genre across North America, the EU and other countries.



# Recommendation: Market

## North America (NA)

Given the popularity of Action games in North America, marketing and brand recognition initiatives should be focused here



## Japan (JP)

With heavy cultural influence and the region's liking of RPG, we will focus on this region less.



# References

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Thank you!

