Video Games Sales with Ratings

-Stats 131 Group Project

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Project Background

- Video Game Industry

- Data from video game sales tracking websites:
  - VGChartz Network
  - Metacritic website

- For each game, we have information about its:
  - Publisher
  - Platform
  - Year of release
  - Sales information
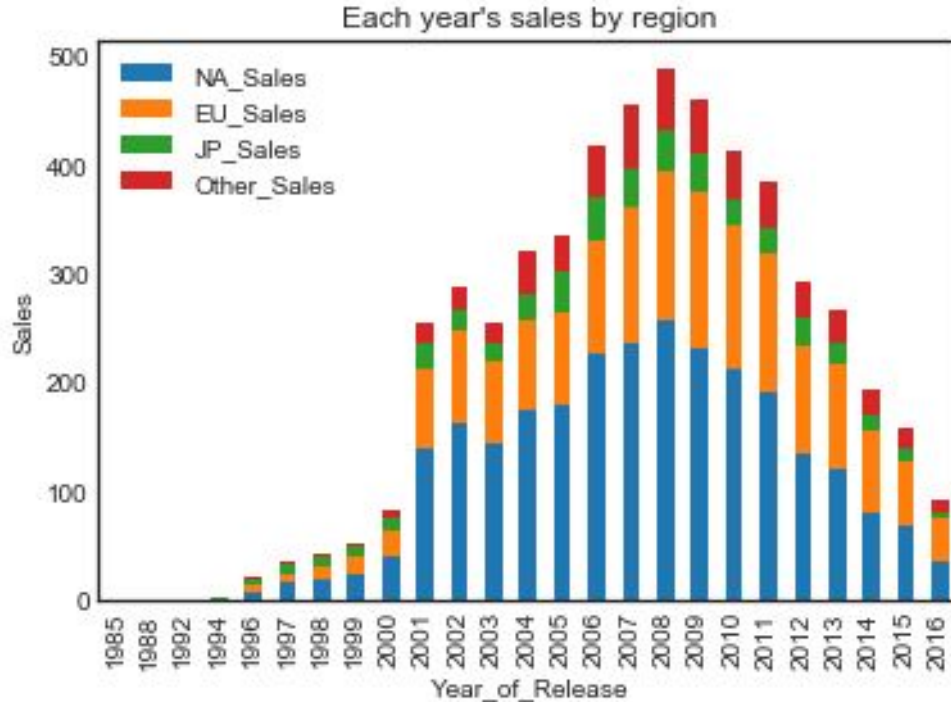 - Critics' and users' Score

Sections

- Exploring Data
  - General
  - Top Publishers
  - Popular platforms
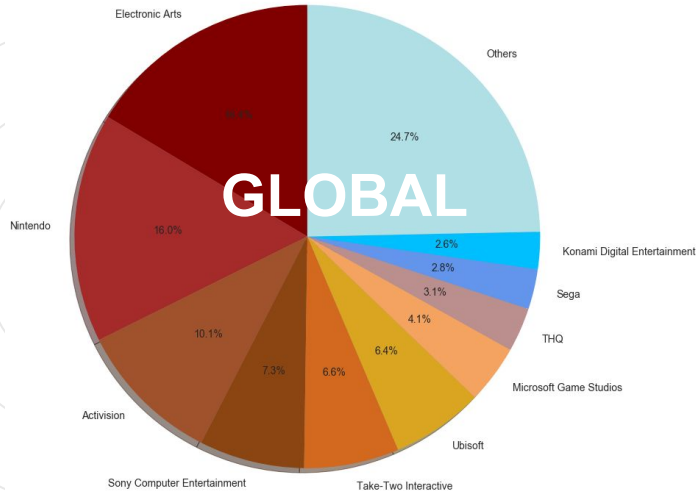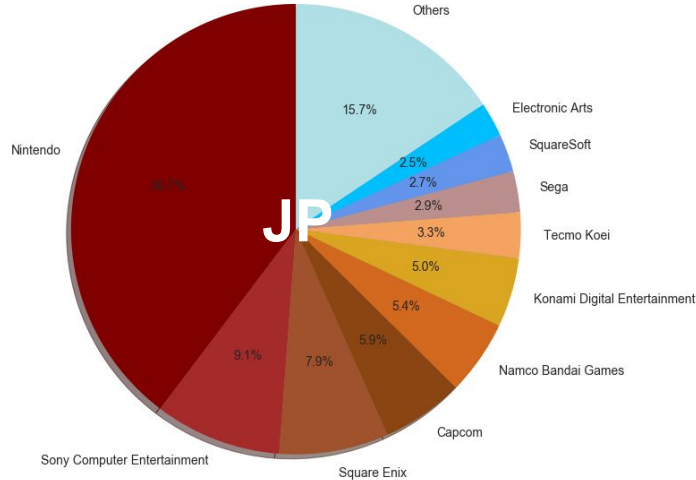 - Popular genre
- Sales Prediction

Exploration

Each year's sales by region

- 2001-2010 is the best time for video games industry
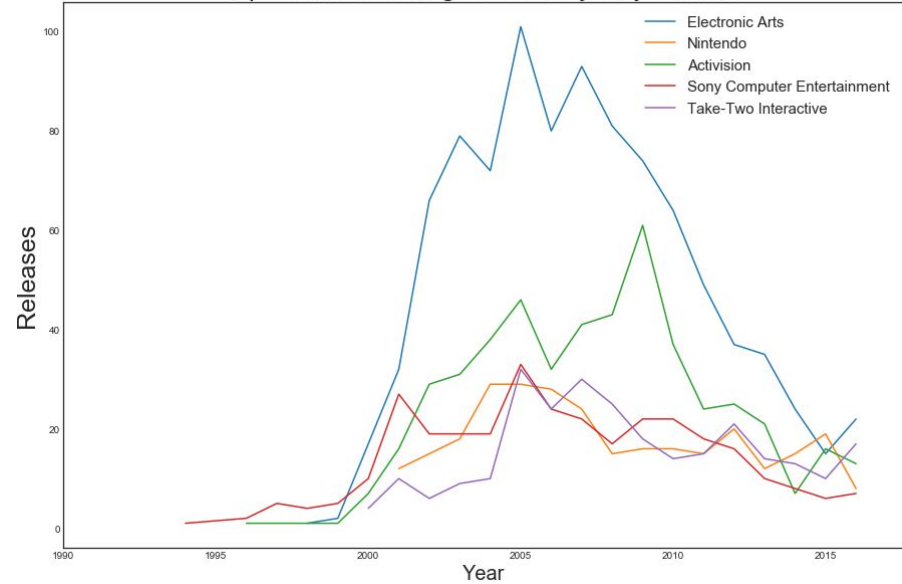
Top Publishers

Pie Chart of Global_Sales by top Publisher
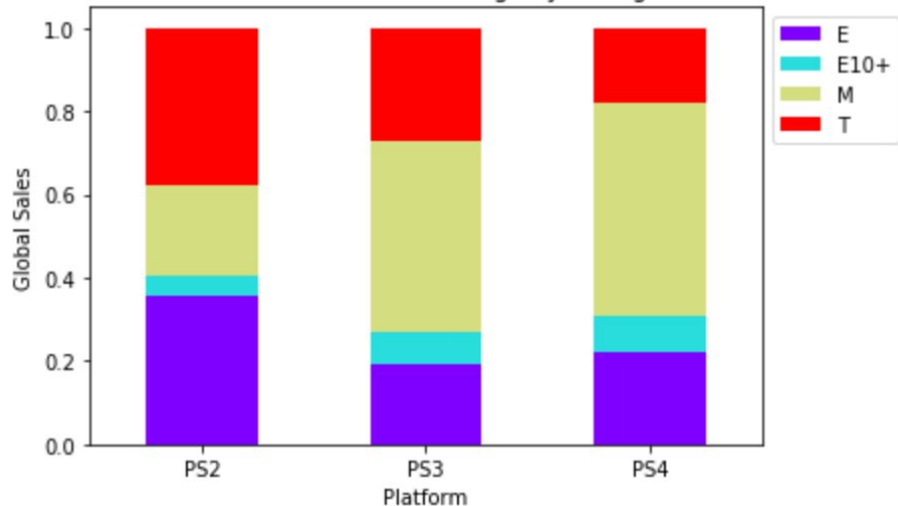
GLOBAL

Pie Chart of JP_Sales by top Publisher

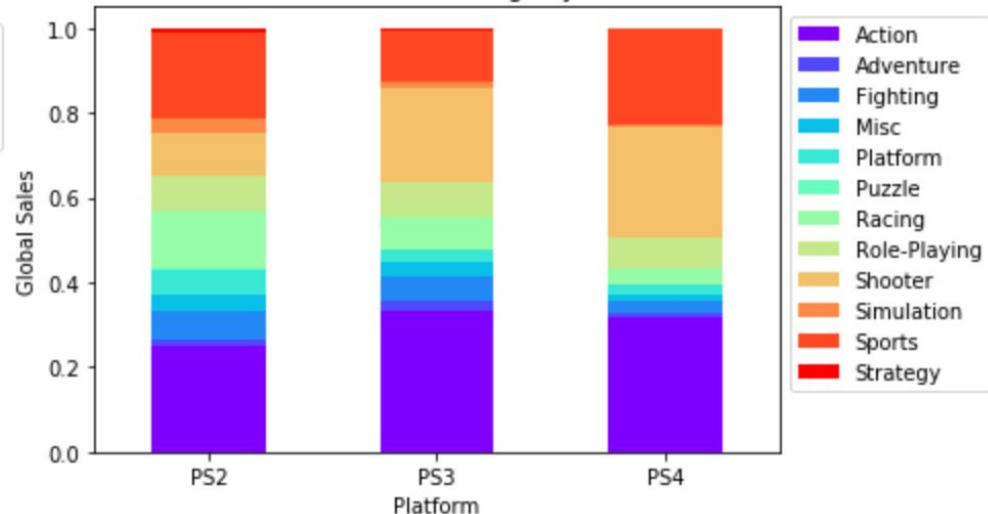JP

Top 5 Publishers in global sales'yearly releases

Popular Platforms

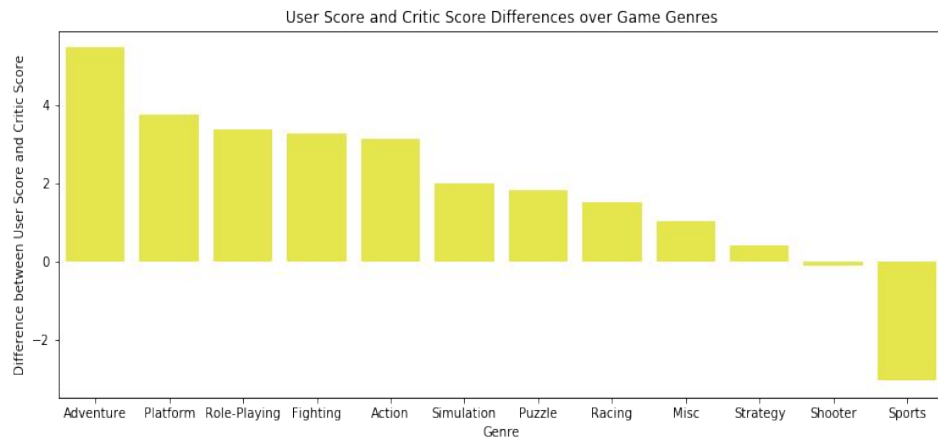PlayStation Series

Platform Sales Percentage by Rating

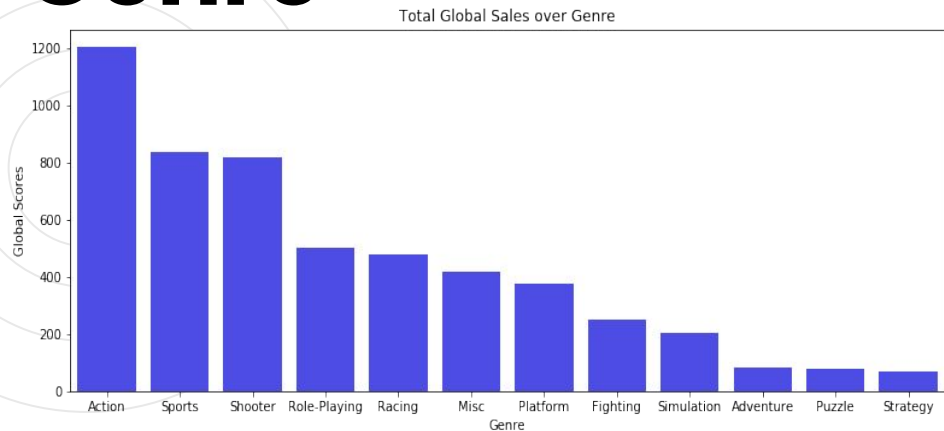Platform Sales Percentage by Genre

Rating System

Genre

Total Global Sales over Genre

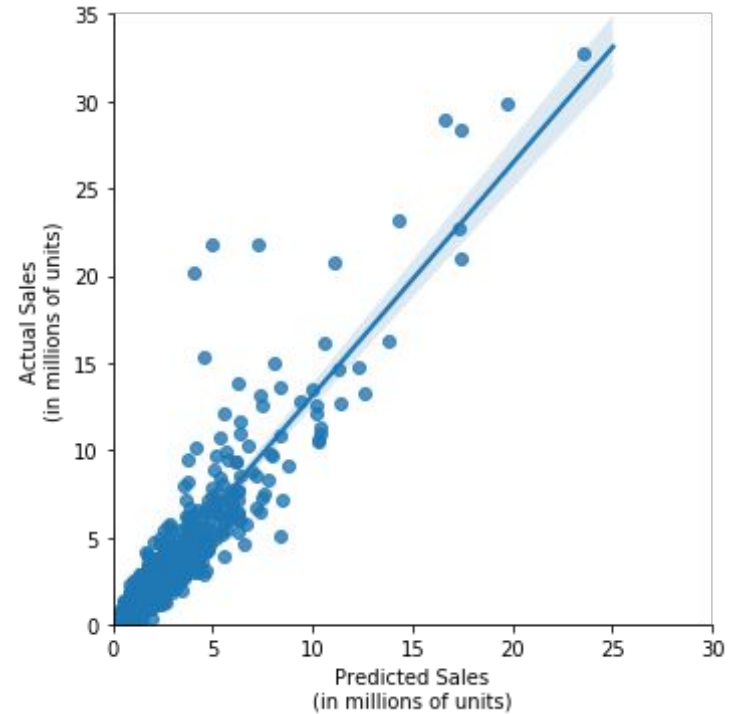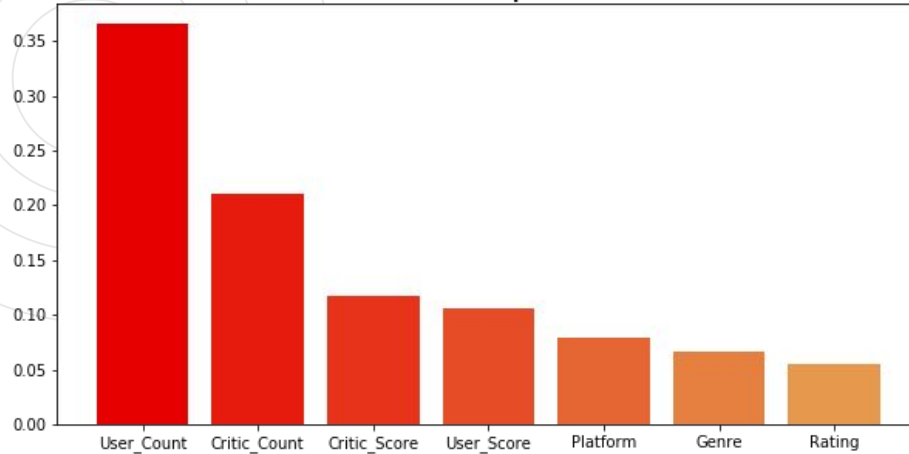User Score and Critic Score Differences over Game Genres

- Highest Sales:
  - Action, Sports, Shooter
- Lowest Sales:
  - Strategy, Puzzle, Adventure

- User scores much larger than critic scores: "Adventure"
- Critic scores larger than user scores: "Sports"

Sales Prediction

Variable Importance

Moral: Quality of the game is more important than the platform, genre, and rating type!