

# Finding the Next Big Video Game Movie

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# WHICH GAMES COULD BECOME PROFITABLE MOVIES?

We investigated Xbox One games in order to find the best games to turn into movies.

## DATA SOURCES

- Metacritic
- Gamespot API
- VGChartz
- Wikipedia

## HYPOTHESIS

The games which generate the highest user engagement will be the best games to make a live action film transition. User and critic scores should also provide insight on which movies to make.

# WHICH GAMES WOULD MAKE GOOD MOVIES?

Criteria for best selling games

- High User Review Count
- High Metacritic Score
- Popular Genre
- Popular Content Rating

Qualifying Candidates:

Red Dead Redemption 2	Titanfall
Fallout 4	Witcher 3
Metal Gear Solid V	Rise of The Tomb Raider
Halo Master Chief Collection	Grand Theft Auto V

(Top three highlighted above)

# OUR PROCESS

## DATA COLLECTION

- Web Scraping --> Metacritic data
- API's --> Gamespot data
- HTML data --> Wikipedia and VGchartz

## DATA CLEANSE

- Updated Release Year
- Dropped unnecessary columns
- Formatted game titles

## EDA & VISUALIZATIONS

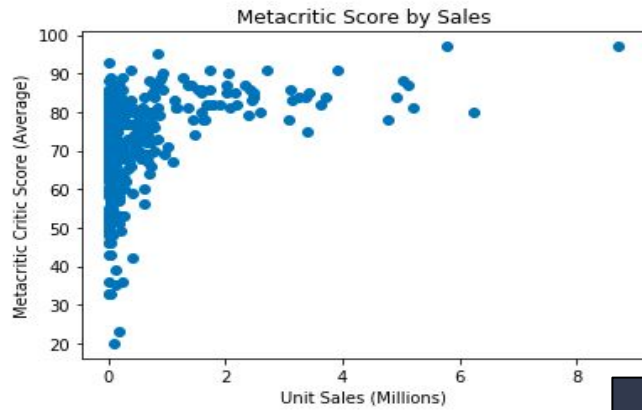
- Bar charts and scatter plots
- Correlations

# DATA SOURCES

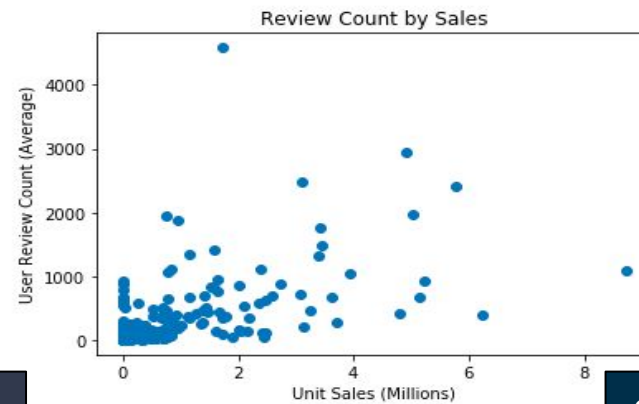
## VARIABLES OF INTEREST

- Genre
- Global Sales
- User Reviews
- Critic Reviews
- Content Rating
- User Review Count

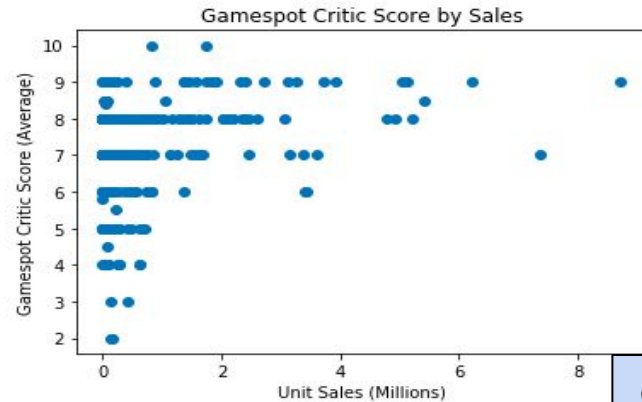
Data Source	Count of Games
Metacritic (Critic, User Reviews, Genre)	1505
Gamespot (Critic Reviews)	732
VGChartz (Game Global Sales)	613



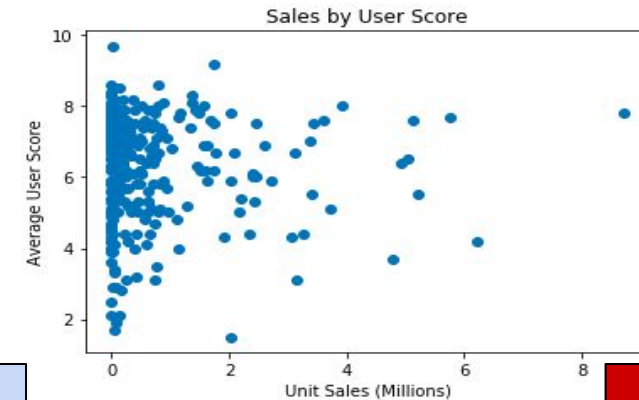
Correlation: .399



Correlation: .579



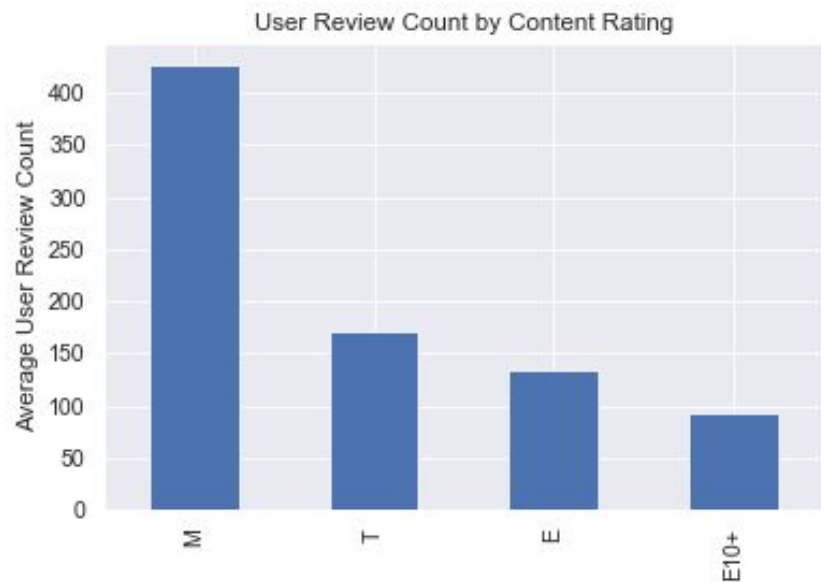
Correlation: .298



Correlation: - .055

- As per our prediction the Review count had the largest correlation to the sales
- Metacritic had the highest correlation in terms of review score

# DIVING INTO THE RESULTS



\*Mature Content attracts large amounts of people

Top 5 Genres	Count of Genres
Action/Adventure	14
Open-World	3
Racing	3
RPG	3
Sci-Fi	1

\*Sports games not included

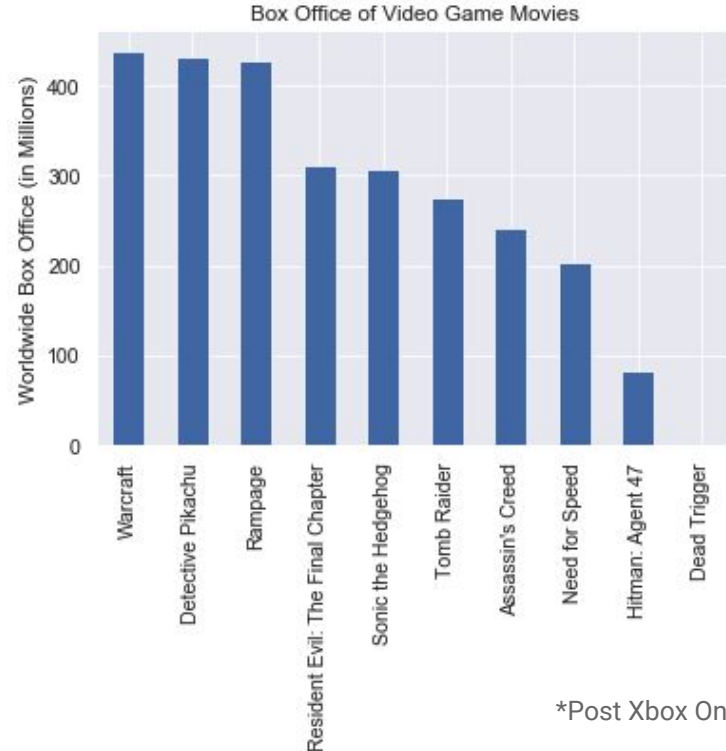
# REAL WORLD APPLICATION

Based on the data Mature Rated, action games both sale well and generate a lot of user of reviews.

High user engagement paired with the fact that video game movies generally do well financially.

So using our 4 main categories and narrowing the search to the top 2 percentile of user review count we recommend these 3

- ★ **Fallout 4**
- ★ **Titanfall**
- ★ **Red Dead Redemption 2**



\*Post Xbox One release