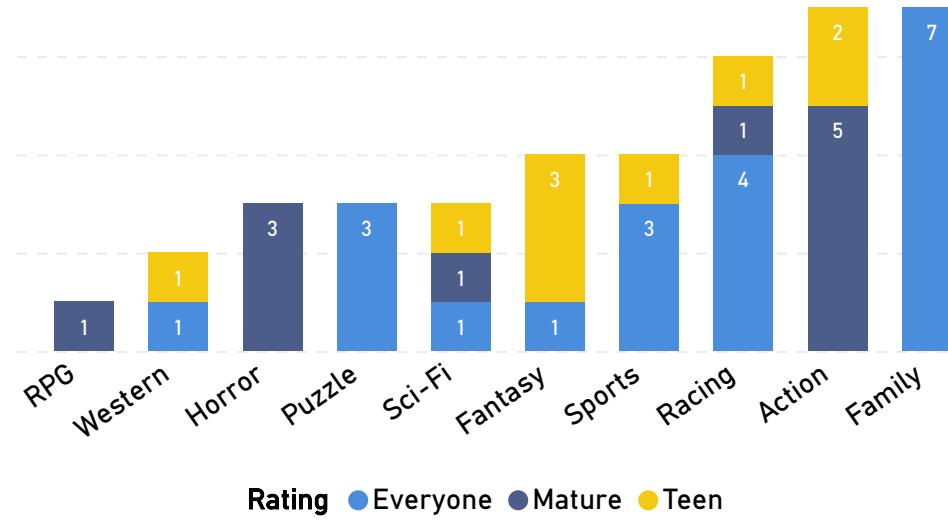


## WELCOME TO THE HOME TAB

This File has all the Demo's and Exercises from **Course 3: Creating Visualizations with Power BI** of the **Data Analysis and Visualization with Microsoft Power BI Nanodegree** Program offered by Udacity

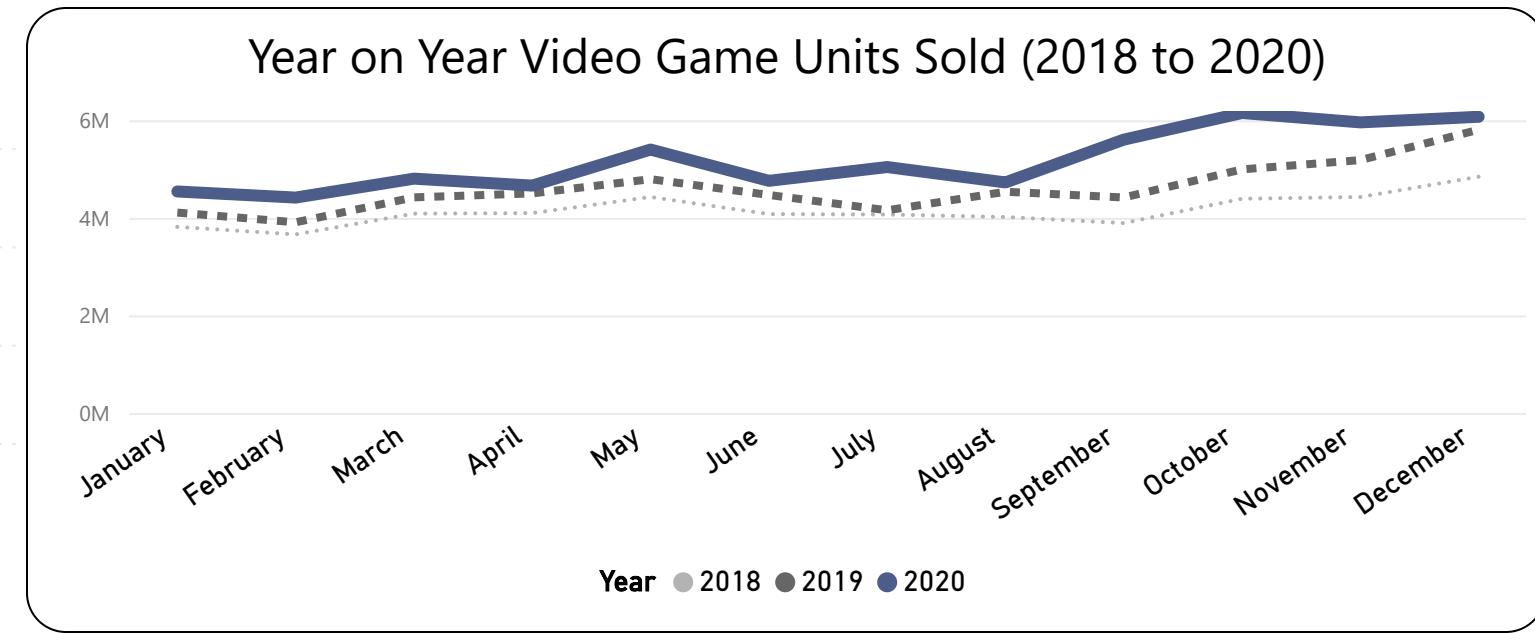
## Course 3 Lesson 2: Demo's and Exercises

## Count of Video Games by Genre

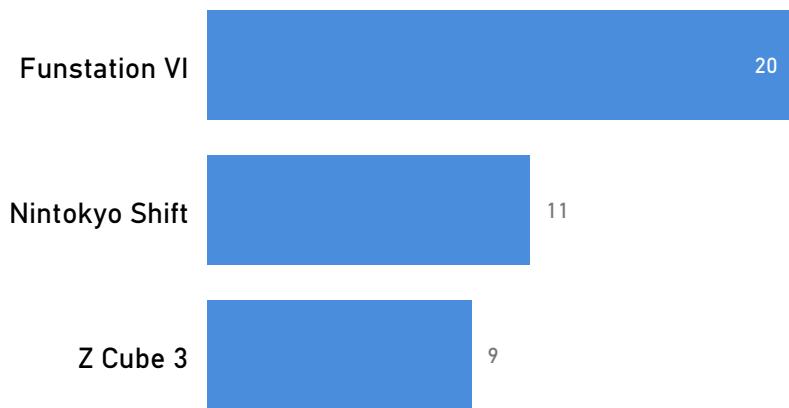


Rating ● Everyone ● Mature ● Teen

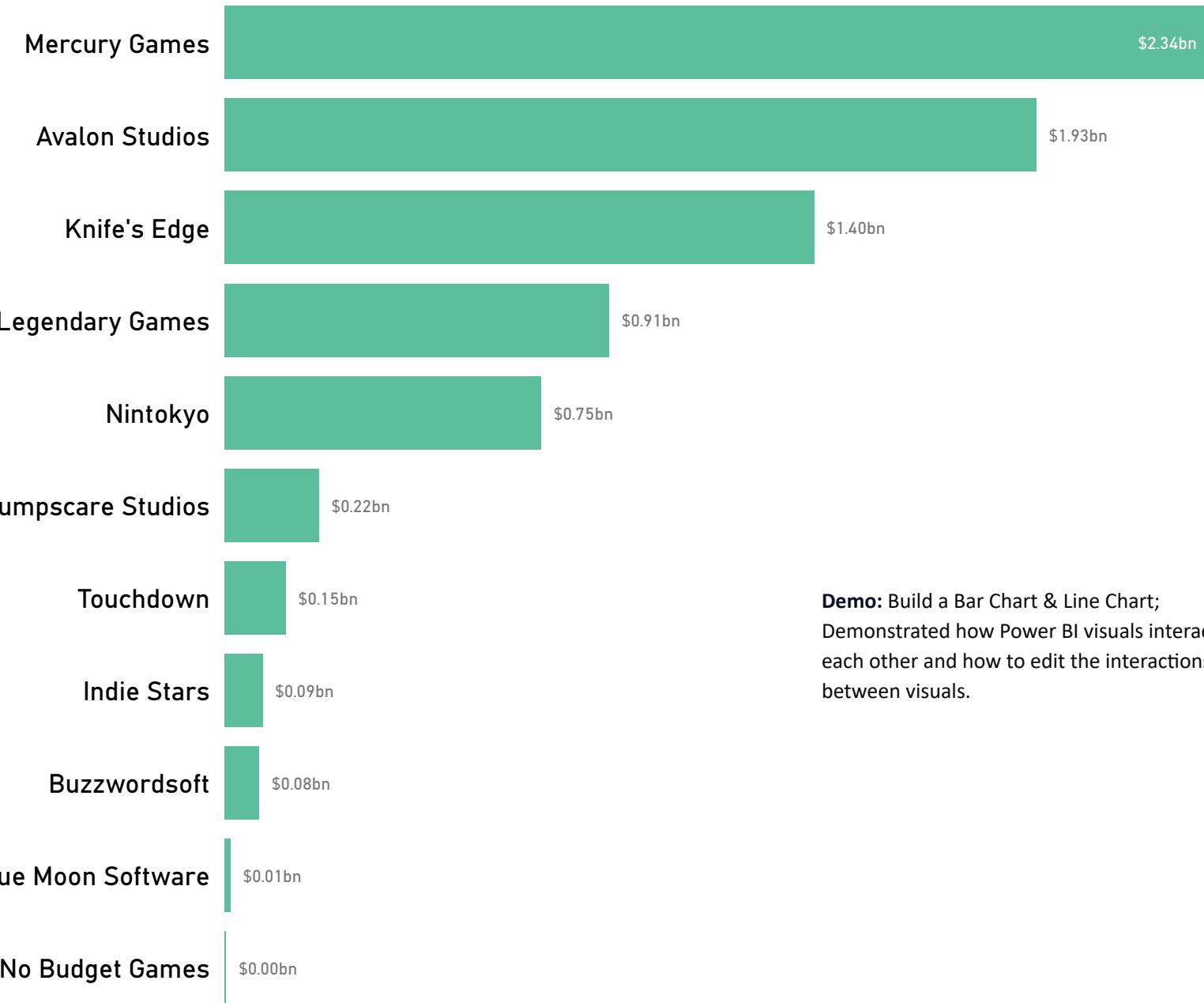
## Year on Year Video Game Units Sold (2018 to 2020)



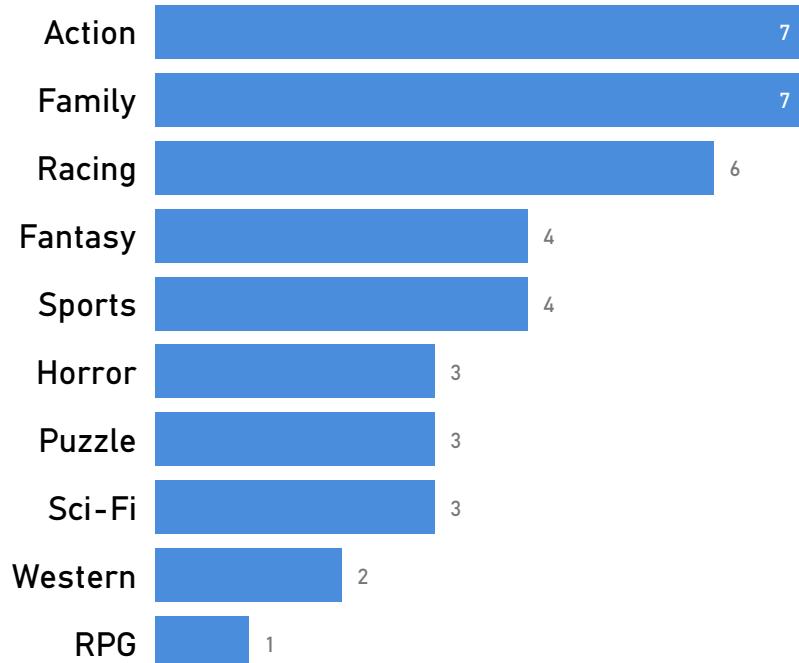
## Number of Video Games by Console/Platform



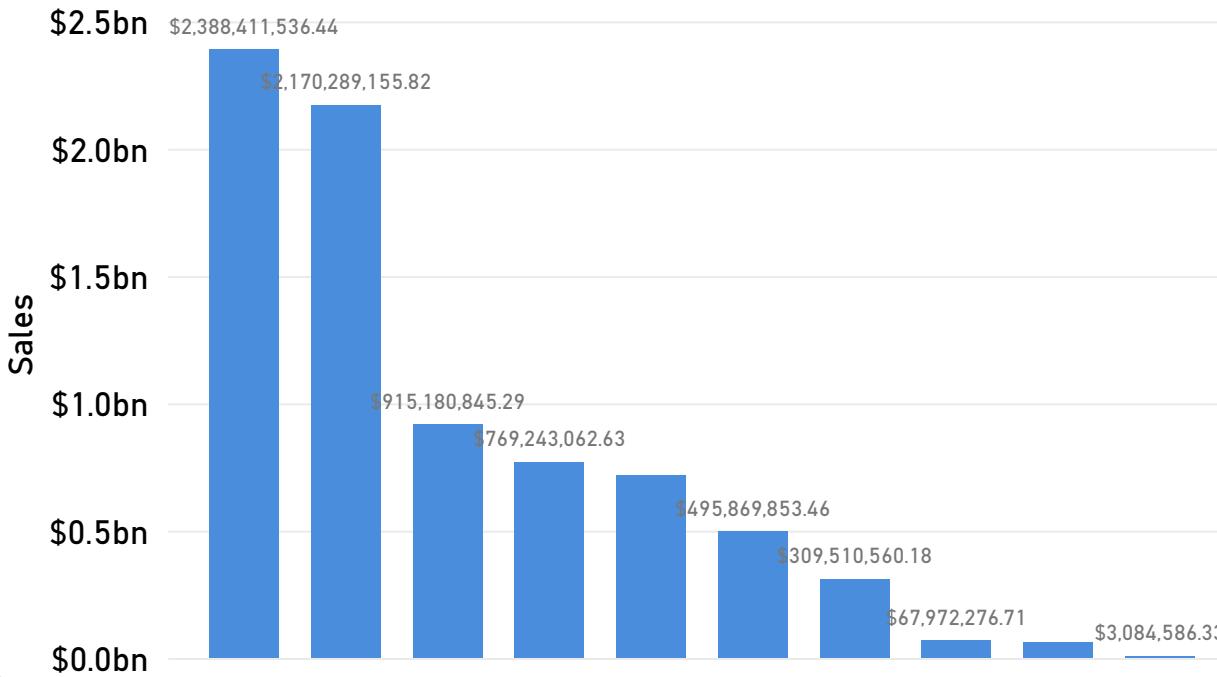
## Sales by Developer



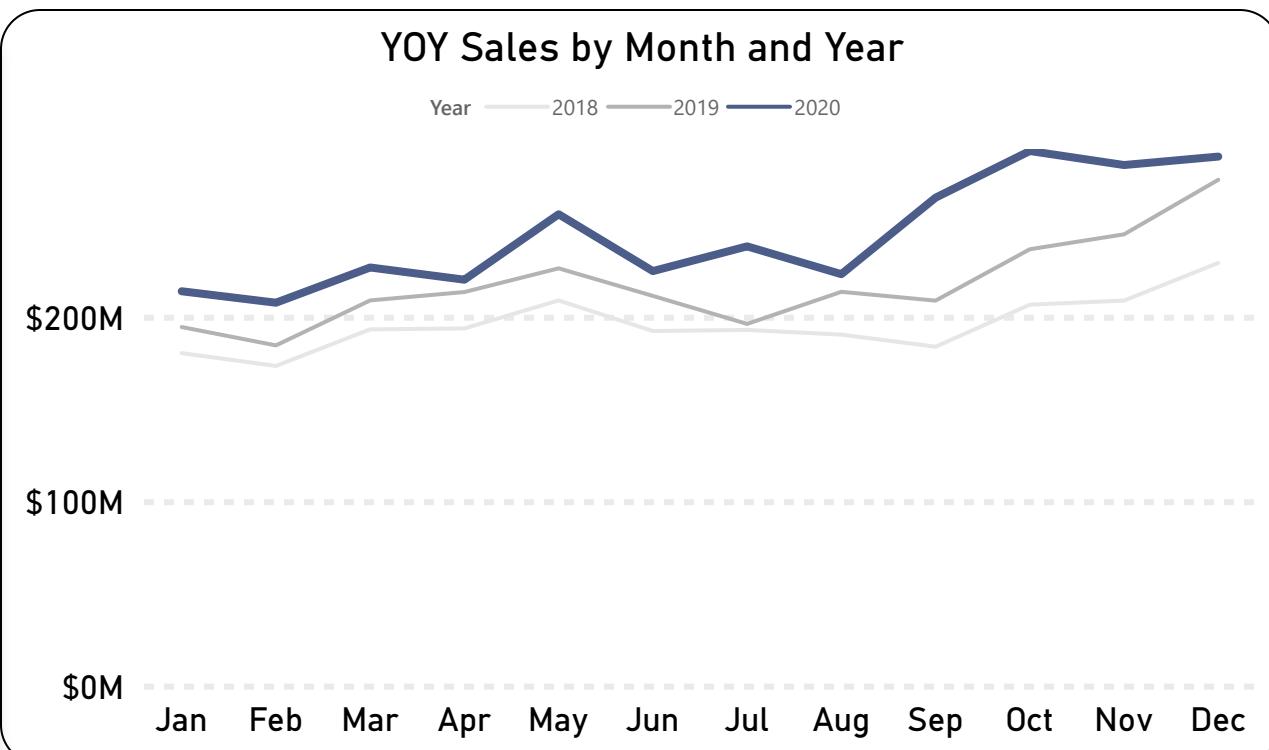
## Number of Video Games by Genre



## Sales by Category



## YOY Sales by Month and Year

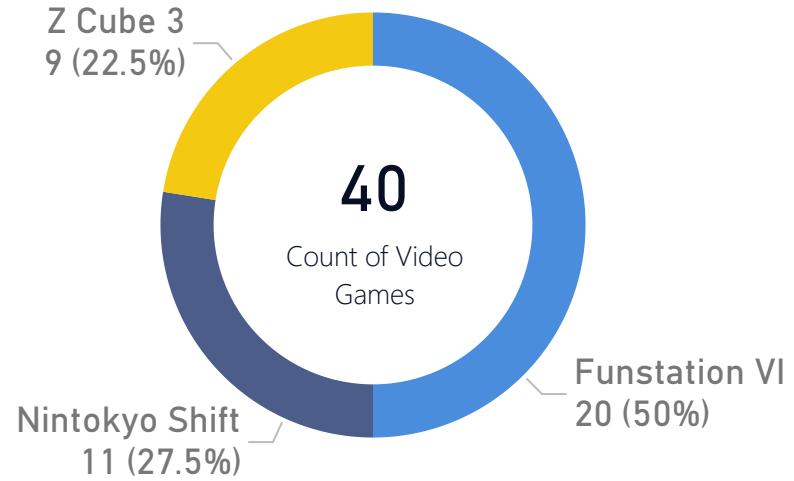


Exercise: Build a Bar Chart & Line Chart

**40**

Count of Video Games

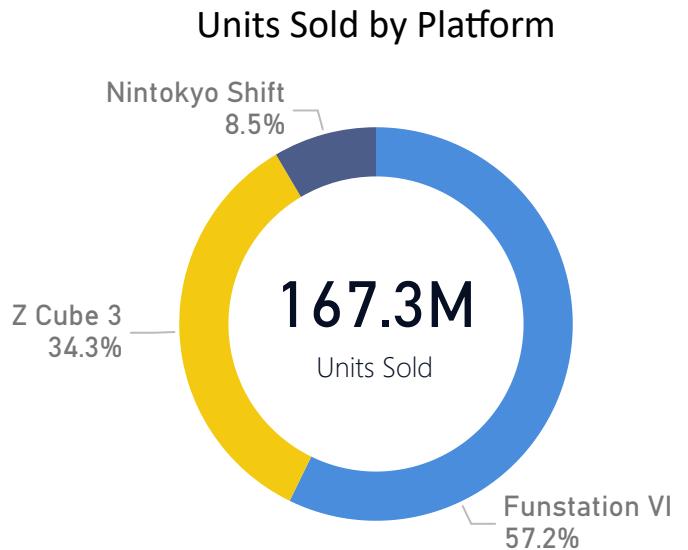
Count of Video Games by Platform



Video Game Insights								
Title	Genre	Developer	Category	Rating	Units	Sales	Average Community_Score	
Another Soccer Game	Sports	Touchdown	Sports	Everyone	1,444,802	\$57,776,464.67	7.8	
Apocalypse Runner	Action	Buzzwordsoft	Third-Person Shooter	Mature	618,483	\$24,732,512.53	3.2	
Basketball Stars 2020	Sports	Touchdown	Sports	Everyone	1,798,939	\$53,950,674.85	7.0	
Blood Reckoning	Action	Mercury Games	Third-Person Shooter	Mature	1,352,646	\$67,617,760.24	6.5	
Car Thief: Los Angeles	RPG	Mercury Games	Third-Person Shooter	Mature	2,746,082	\$137,276,297.75	8.7	
Cry of War III	Action	Mercury Games	First-Person Shooter	Mature	42,766,905	\$2,137,913,291.81	8.5	
Desire for Fastness	Racing	Knife's Edge	Racing	Everyone	213,899	\$8,553,367.12	6.0	
Elden Scroll VII	Fantasy	Avalon Studios	Role-Playing Game	Teen	17,509,009	\$875,274,344.61	9.3	
Expensive, Fast Cars 4	Racing	Buzzwordsoft	Racing	Everyone	508,592	\$25,424,410.10	6.8	
Family Dance Party V	Family	Nintokyo	Family	Everyone	30,349	\$1,213,841.26	6.5	
Farm World	Family	Nintokyo	Family	Everyone	90,534	\$904,315.88	8.5	
Fender BenderZ	Racing	Indie Stars	Racing	Teen	274,501	\$8,232,080.16	3.9	
Fit Family II	Family	Nintokyo	Family	Everyone	3,574	\$53,568.11	4.6	
Gran Monaco 8	Racing	Touchdown	Racing	Everyone	472,155	\$23,602,738.51	8.0	
Honorable Outlaw	Western	Blue Moon Software	Role-Playing Game	Everyone	291,153	\$11,642,785.78	6.0	
Karaoke with your Dad	Family	No Budget Games	Family	Everyone	108	\$1,075.42	0.9	
Lord of Combat	Action	Knife's Edge	Sports	Mature	7,488,772	\$374,364,119.20	9.0	
Marko Buggy 8	Racing	Nintokyo	Family	Everyone	1,055,665	\$52,774,511.49	6.7	
Marko Party XV	Family	Nintokyo	Family	Everyone	725	\$14,516.74	2.4	
Ninja's Vow II	Fantasy	Knife's Edge	Third-Person Shooter	Teen	2,994,133	\$149,677,735.96	6.7	
Occupant Evil VII	Horror	Knife's Edge	Survival Horror	Mature	2,839,181	\$85,146,771.58	7.5	
Oddly-Shaped Block Stacker	Puzzle	Indie Stars	Family	Everyone	381,660	\$5,721,090.60	7.0	
Outbreak III: The Re-Outbreaking	Horror	Jumpscare Studios	Survival Horror	Mature	3,068,324	\$153,384,441.48	6.2	
Puzzlr 3	Puzzle	Nintokyo	Rhythm	Everyone	216,555	\$2,163,463.87	6.5	
Radiation 4	Sci-Fi	Avalon Studios	Role-Playing Game	Mature	19,167,410	\$958,177,637.64	9.0	
Real Golf 2K2K	Sports	Touchdown	Sports	Everyone	244,522	\$9,778,594.74	7.5	
Sharpshooter's Moon II	Western	Buzzwordsoft	First-Person Shooter	Teen	268,358	\$10,731,716.00	6.5	
Skidrow VI	Racing	Blue Moon Software	Racing	Mature	108,029	\$2,159,680.82	3.3	
Space Assault	Sci-Fi	Buzzwordsoft	First-Person Shooter	Everyone	541,230	\$21,644,148.01	5.5	
Total					167,252,573	\$7,898,895,968.54	7.8	Demo: Building a Table Visual

**\$37.4**

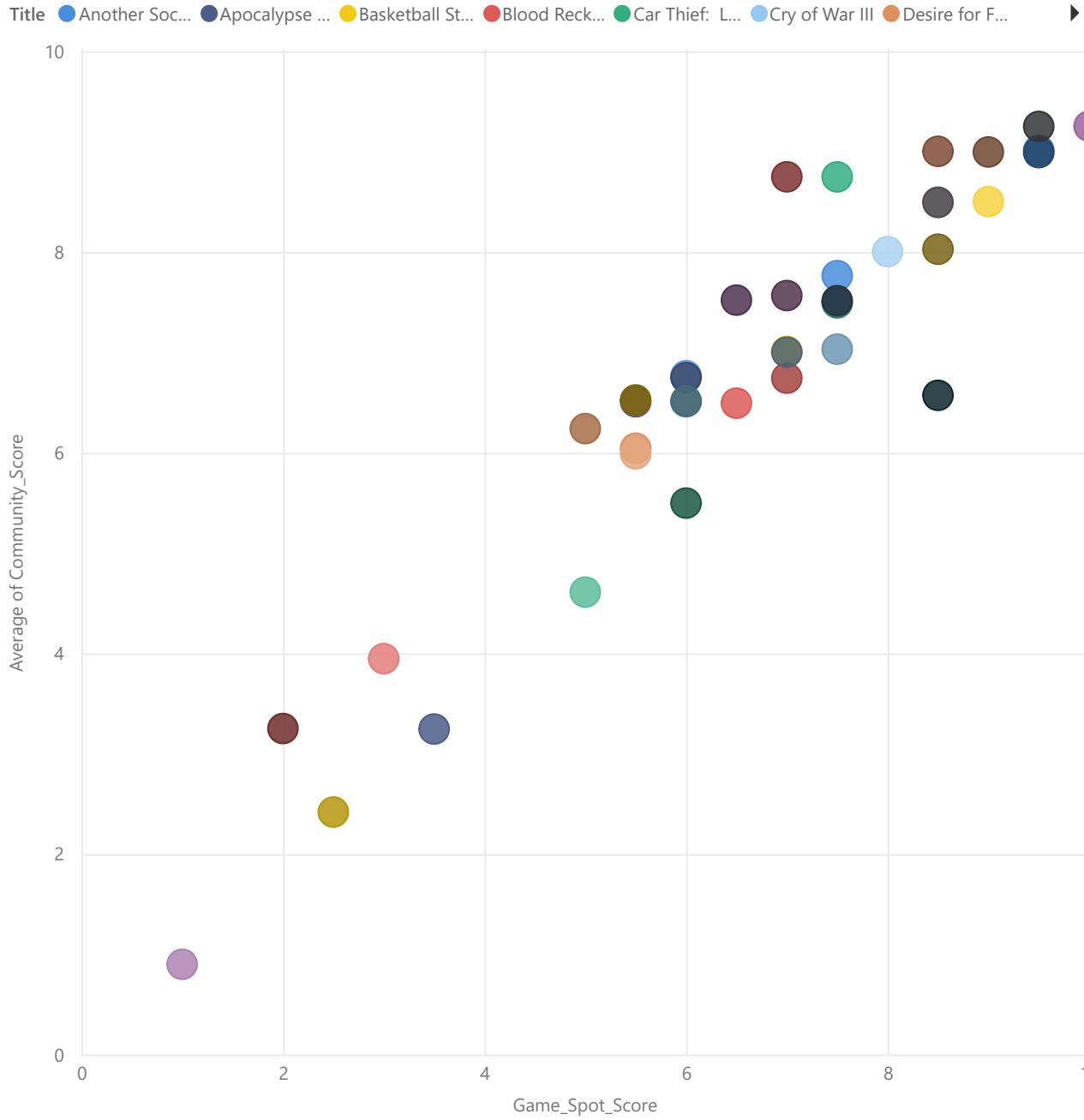
Average Retail Price (All Games)



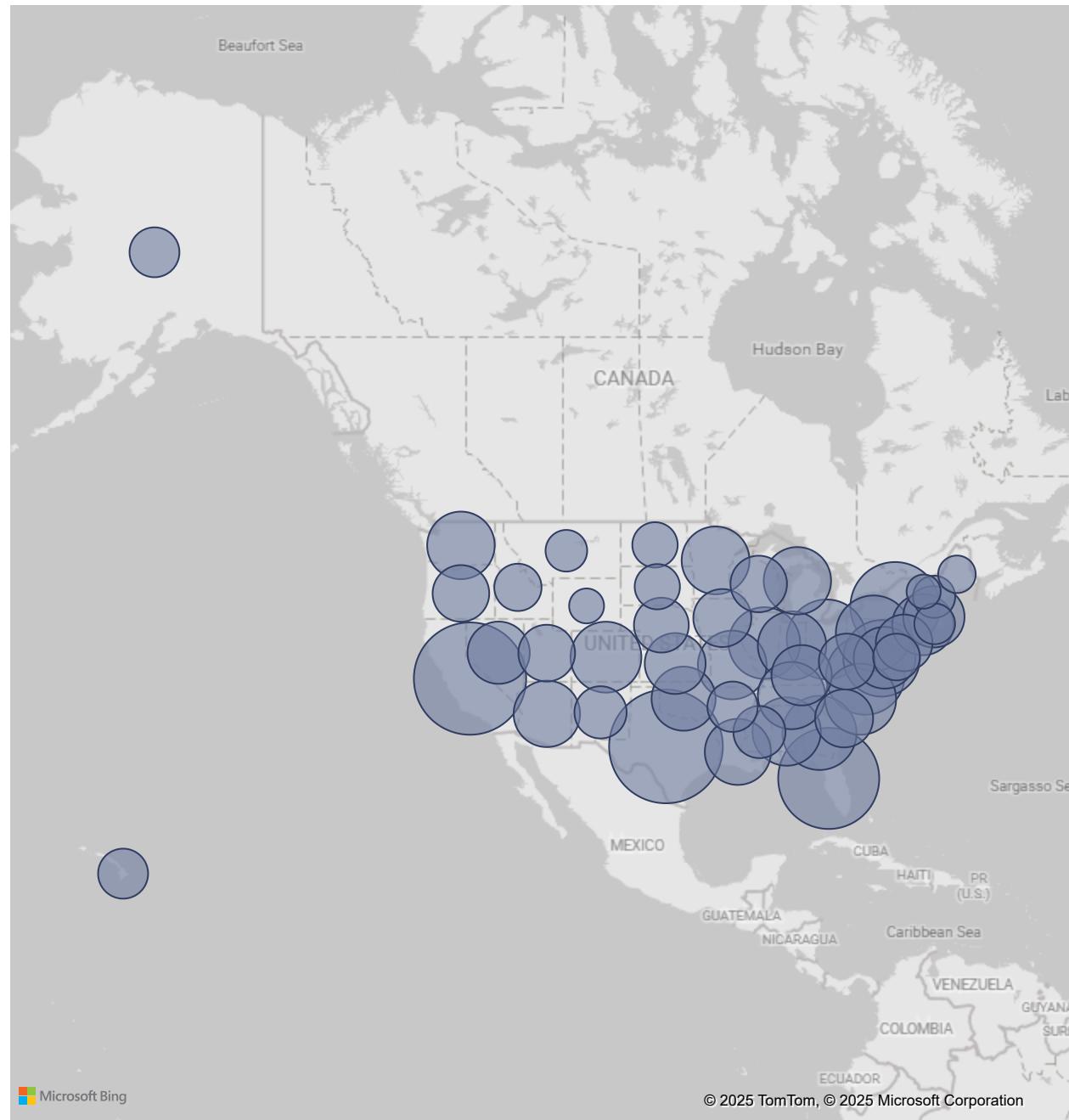
### Game Spot Scores (All Titles)

Title	Genre	Rating	Average Game_Spot_Score
Another Soccer Game	Sports	Everyone	7.5
Apocalypse Runner	Action	Mature	3.5
Basketball Stars 2020	Sports	Everyone	7.0
Blood Reckoning	Action	Mature	6.5
Car Thief: Los Angeles	RPG	Mature	7.5
Cry of War III	Action	Mature	8.5
Desire for Fastness	Racing	Everyone	5.5
Elden Scroll VII	Fantasy	Teen	10.0
Expensive, Fast Cars 4	Racing	Everyone	6.0
Family Dance Party V	Family	Everyone	6.0
Farm World	Family	Everyone	9.0
Fender BenderZ	Racing	Teen	3.0
Fit Family II	Family	Everyone	5.0
Gran Monaco 8	Racing	Everyone	8.0
Honorable Outlaw	Western	Everyone	5.5
Karaoke with your Dad	Family	Everyone	1.0
Lord of Combat	Action	Mature	9.5
Marko Buggy 8	Racing	Everyone	6.0
Marko Party XV	Family	Everyone	2.5
Ninja's Vow II	Fantasy	Teen	7.0
Occupant Evil VII	Horror	Mature	7.5
Oddly-Shaped Block Stacker	Puzzle	Everyone	7.5
Outbreak III: The Re-Outbreaking	Horror	Mature	5.0
Puzzlr 3	Puzzle	Everyone	5.5
Radiation 4	Sci-Fi	Mature	9.5
Real Golf 2K2K	Sports	Everyone	7.5
Sharpshooter's Moon II	Western	Teen	5.5
Skidrow VI	Racing	Mature	2.0
Space Assault	Sci-Fi	Everyone	6.0
Speedy the Porcupine 2	Family	Everyone	7.0
Spider-Person	Action	Teen	9.0
Spirits of Kyoto	Fantasy	Teen	6.5
Sprockets of Strife	Action	Mature	7.0
<b>Total</b>			<b>6.7</b>

## Average Community\_Score by Title and Game\_Spot\_Score

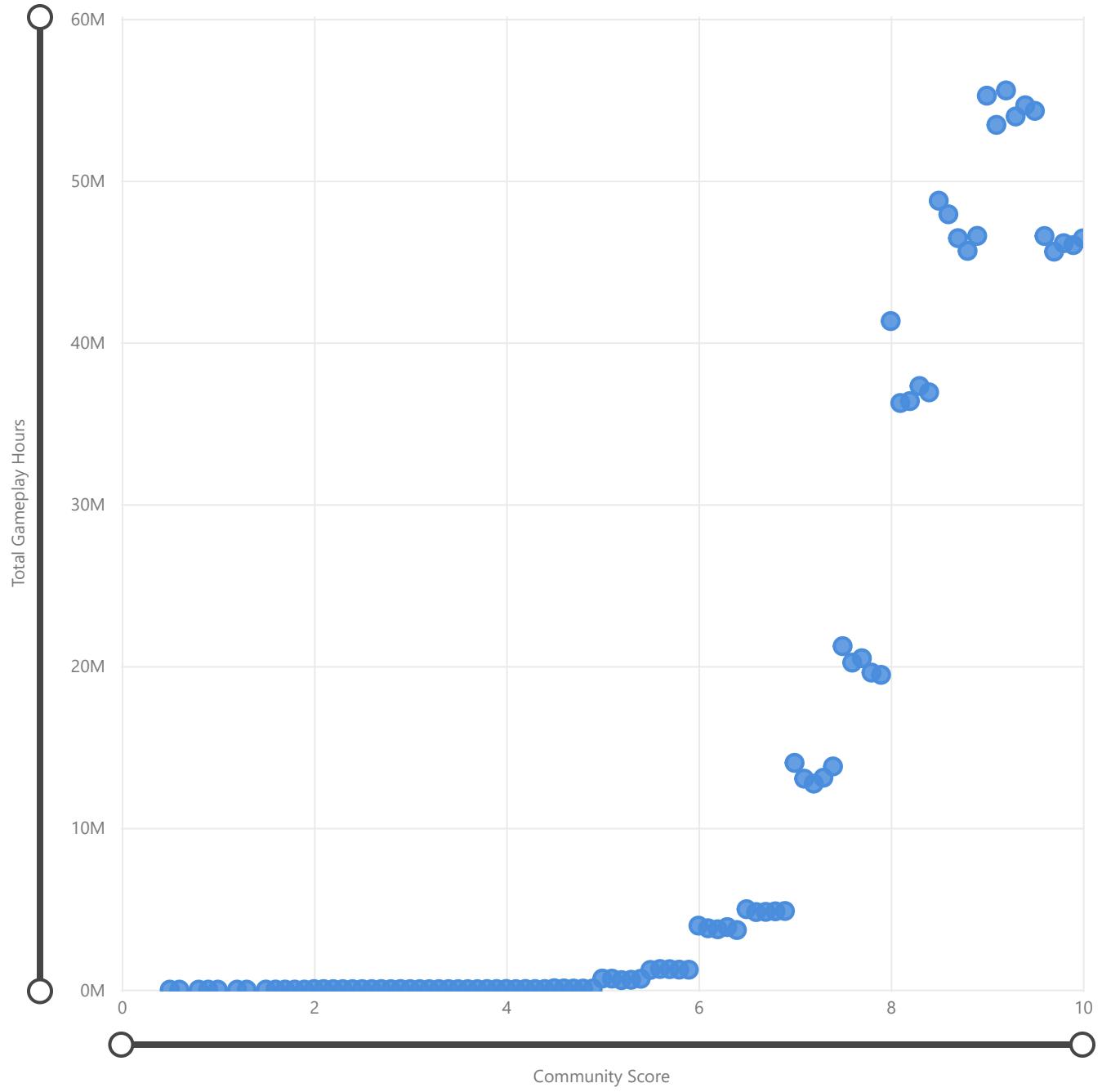


## Number of Units Sold by State

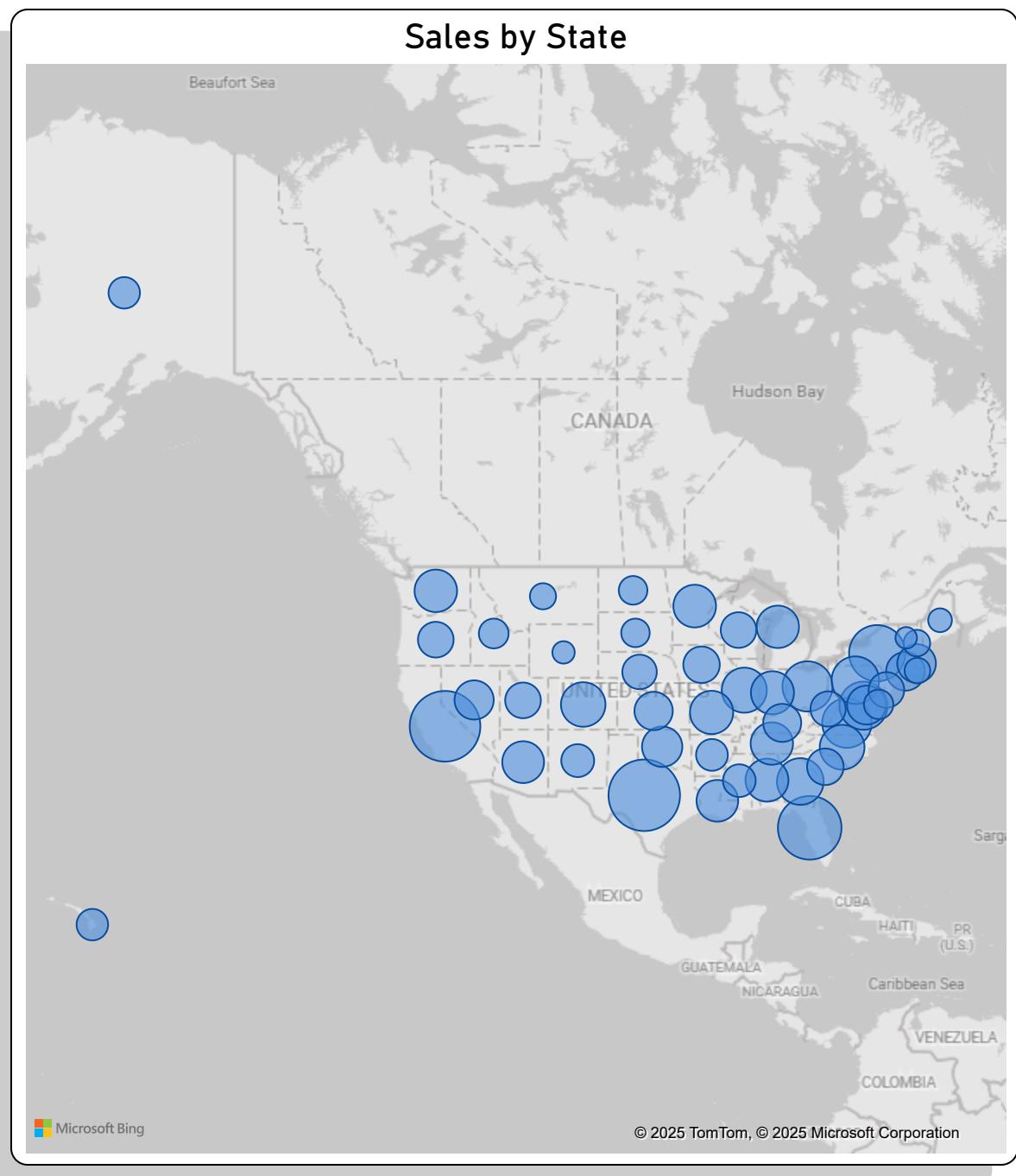


Demo: Building a Scatter Plot Visual and a Bubble Map Visual

## Total Gameplay Hours by Community Score



## Sales by State



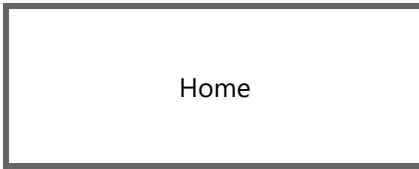
Exercise: Building a Scatter Plot Visual and a Bubble Map Visual

## Course 3 Lesson 3: Demo's and Exercises

# Power BI Header Elements Demonstration



Buttons:

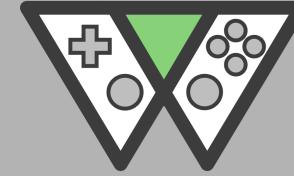


**Demo:** Build a Header Banner and Navigation Button (Created the Home tab for this exercise so that the "Home" button has a Page Destination when triggered).

# My BI Report: Home Page



# My BI Report: Button Demo



WARPZONE  
ANALYTICS

Home Page

# 2020 Video Game Sales

**Demo:** Apply design principles to create an engaging, easier to follow and attractive to look at report

Date



**\$2.93bn**  
Sales

Headquarters

- China
- France
- Japan
- Sweden
- USA

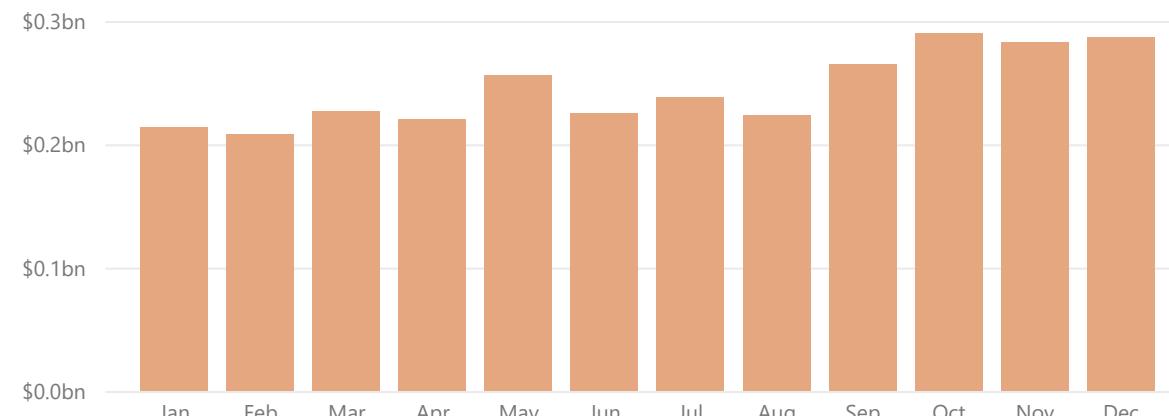
Category

- Action-Adventure
- Battle Royale
- Family
- First-Person Shooter
- Racing
- Rhythm
- Role-Playing Game
- Sports
- Survival Horror

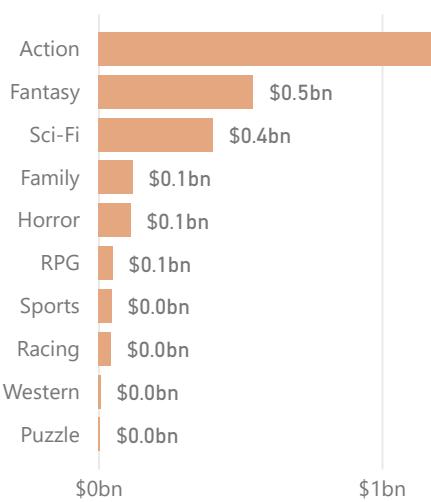
Genre

- Action
- Family
- Fantasy
- Horror
- RPG
- Sports
- Racing
- Sci-Fi
- Puzzle

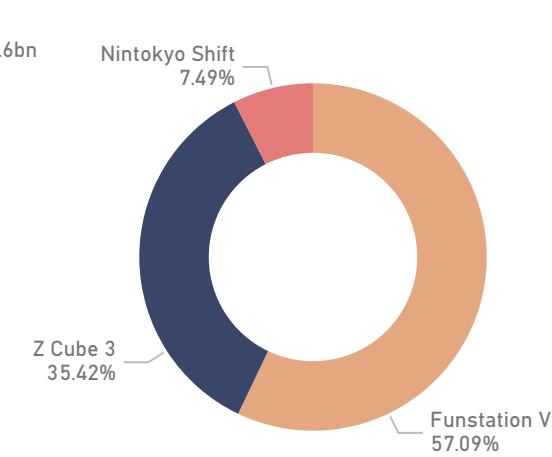
Sales by Month



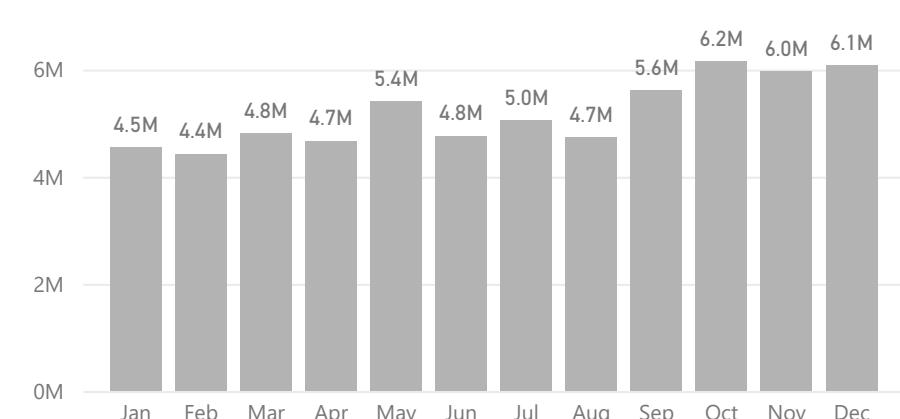
Sales by Genre



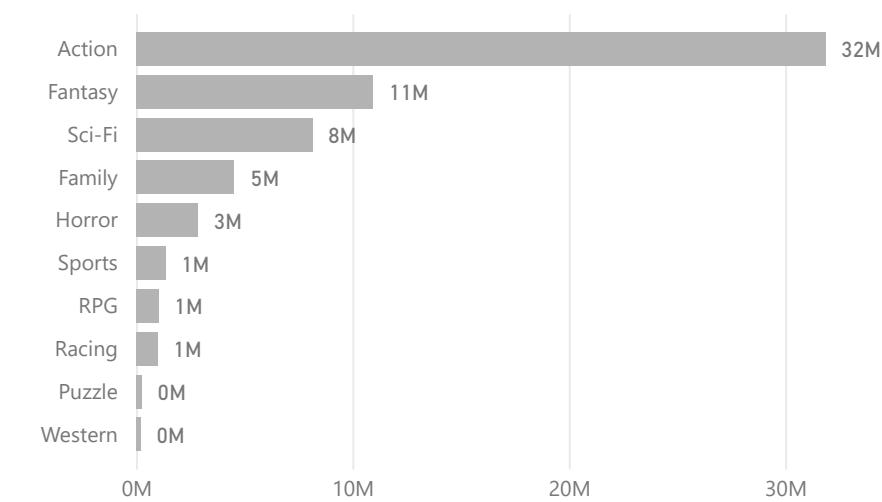
Sales by Platform



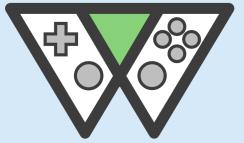
Number of Units Sold by Month



Units by Genre



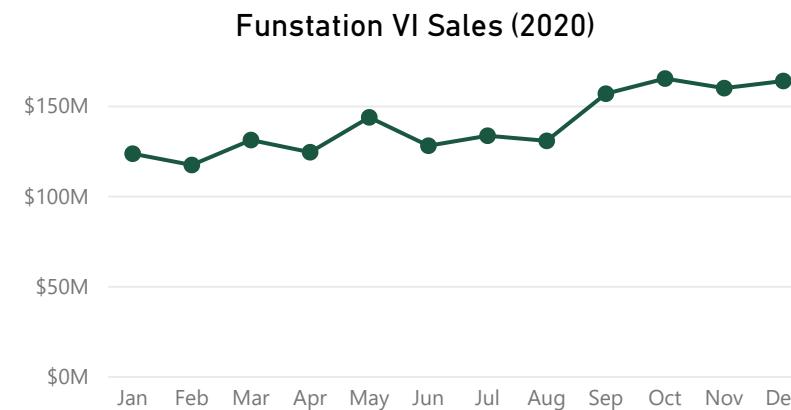
# 2020 Sales Comparison: Major Video Game Platforms



WARPZONE  
ANALYTICS

## FUNSTATION VI

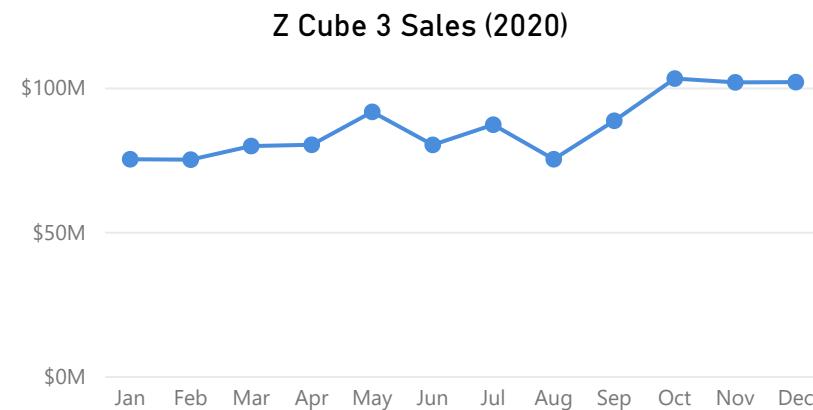
**\$1.67bn**  
Funstation VI Sales



Top 3 Games	Sales
Radiation 4	\$360,111,650.76
Two Weeks	\$325,581,733.13
Elden Scroll VII	\$322,797,427.60

SHIFT

**\$0.22bn**  
Nintokyo Shift Sales



Top 3 Games	Sales
Cry of War III	\$798,395,701.42
Sprockets of Strife	\$150,821,447.18
Occupant Evil VII	\$32,265,105.88

Z3

**\$1.04bn**  
ZCube 3 Sales



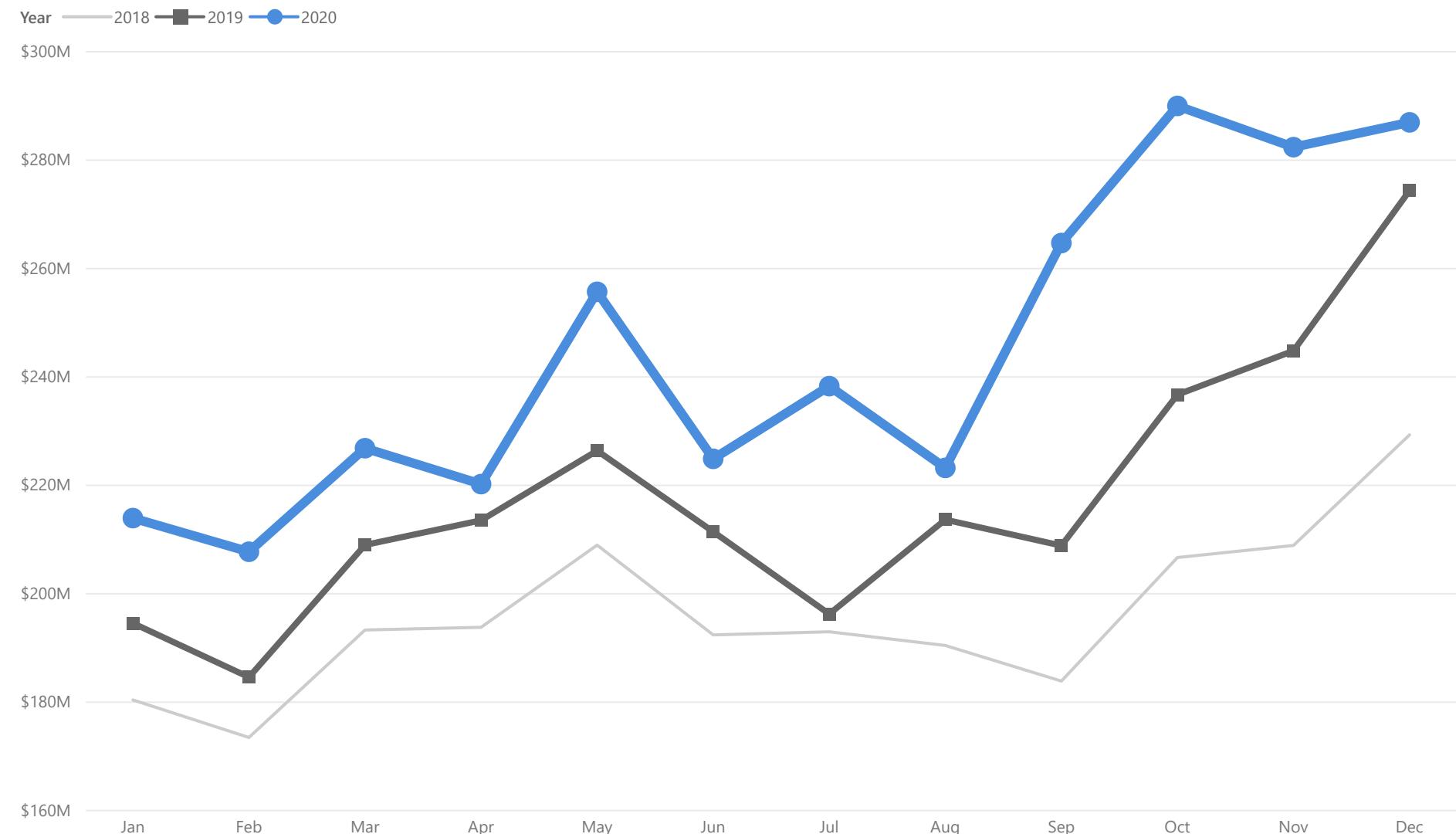
Top 3 Games	Sales
Speedy the Porcupine 2	\$26,648,016.33
Spirits of Kyoto	\$28,857,514.84
The Legend of Selma: Sword of Harmony	\$139,581,033.21

Exercise: Applying Design Principles to a Report Page: Visuals to build; 1) Number of games for each platform. 2) Top 3 selling games for each platform. 3) Monthly sales for each platform in 2020. 4) Avg. Community score for each platform's games

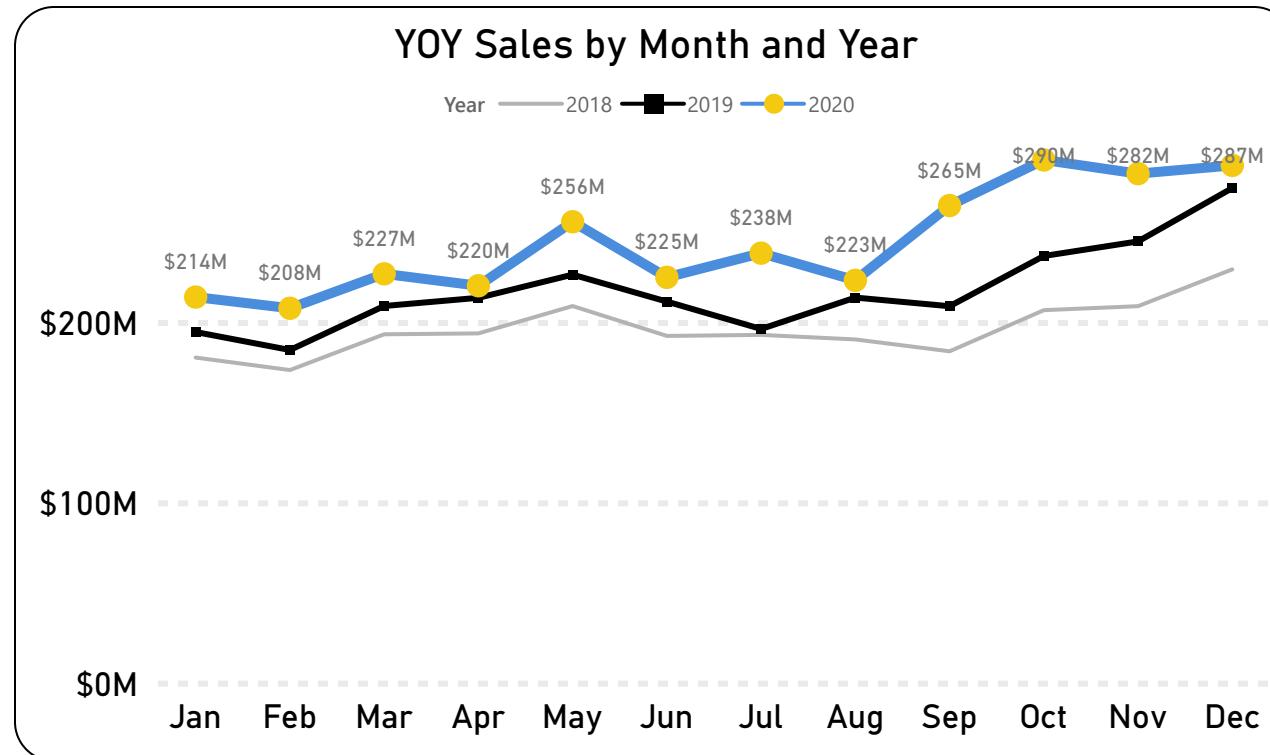
## Demo: More Accessible Charts

Demonstrated how to add custom markers to the different series in a line chart in order to help color-sensitive users distinguish between different lines more easily. We also demonstrated how to activate focus mode as an additional method of making a chart easier to read.

### Sales by Month and Year



Exercise 1

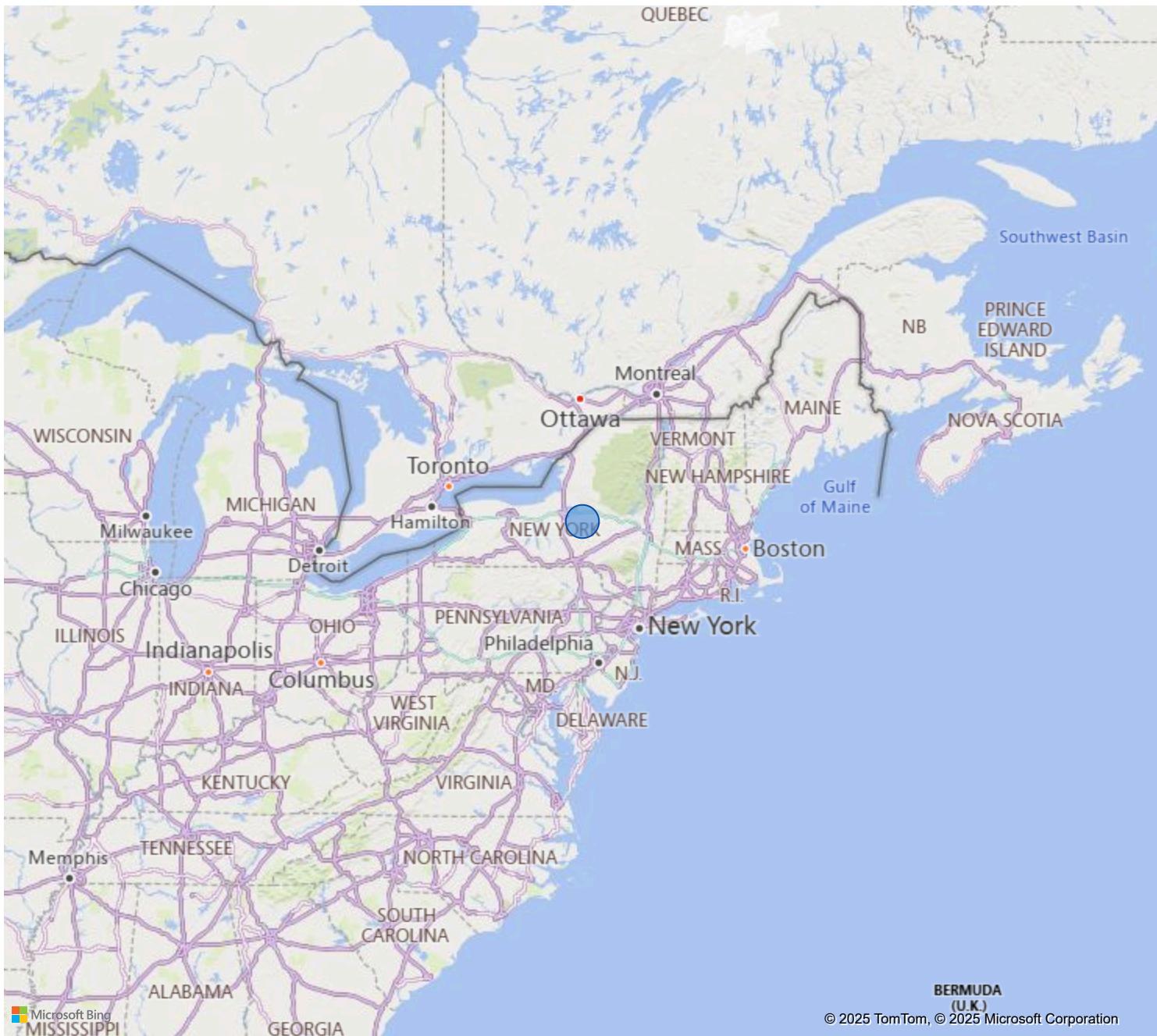


**Exercise:** Using the year-over-year total sales line chart I created in **Exercise 1** and customizing it for enhanced accessibility. The reason for doing so is that I have become concerned that it will be difficult for some users of my report to distinguish the important 2020 line from other lines in the chart if I do not add additional visual cues to aid them.

**\*\*Tip:** Can click on the button to view how the same graph looks in Exercise 1 to compare accessibility.

## Course 3 Lesson 4: Demo's and Exercises

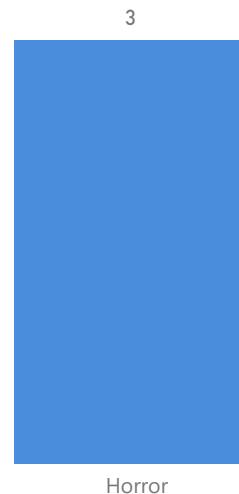
## Sales by State



State	City	Sales
New York	New York City	\$138,854,174.20
New York	Albany	\$42,776,645.11
New York	Brooklyn	\$40,221,686.31
New York	Buffalo	\$38,784,776.04
New York	Rochester	\$34,613,748.03
New York	Jamaica	\$31,652,880.22
New York	Bronx	\$22,961,820.84
New York	Syracuse	\$22,717,167.69
New York	Flushing	\$9,800,734.70
New York	Staten Island	\$9,744,209.25
New York	Schenectady	\$7,850,371.02
New York	Elmira	\$5,399,721.25
New York	New Hyde Park	\$4,995,989.24
New York	White Plains	\$4,980,897.25
New York	Port Washington	\$4,655,128.48
New York	Utica	\$4,570,217.59
New York	Mount Vernon	\$4,284,522.90
New York	Yonkers	\$3,383,598.36
<b>Total</b>		<b>\$432,248,288.49</b>

Games	Rating	Genre	Sales
Occupant Evil VII	Mature	Horror	\$85,146,771.58
Outbreak III: The Re-Outbreaking	Mature	Horror	\$153,384,441.48
The Darkness Inside	Mature	Horror	\$70,979,347.13
<b>Total</b>			<b>\$309,510,560.18</b>

Count of Games by Genre



**Exercise:** Page Level and Visual Level Filters.

**\*\*Note:** Created a visual level filter by selecting only Top 5 Games for the table. Due to adding a Page level filter on Genre (Horror), tables and graph were adjusted

#### **Demo: Customize Filter Pane**

Demonstrated how to customize the filter pane and filter cards. Specific attention was given to the different formatting options for cards based on whether they are available (not filtered) or applied (filtered). These formatting options are intended to help users quickly reference which filters are applied to a report so that they are clear exactly which data they are viewing at all times.

### **Exercise: Customize Filter Pane**

Demonstrated how to customize the filter pane and filter cards. Specific attention was given to the different formatting options for cards based on whether they are available (not filtered) or applied (filtered). These formatting options are intended to help users quickly reference which filters are applied to a report so that they are clear exactly which data they are viewing at all times.

## Title

All

## Date

1/1/2019

12/31/2020

## Year, Month

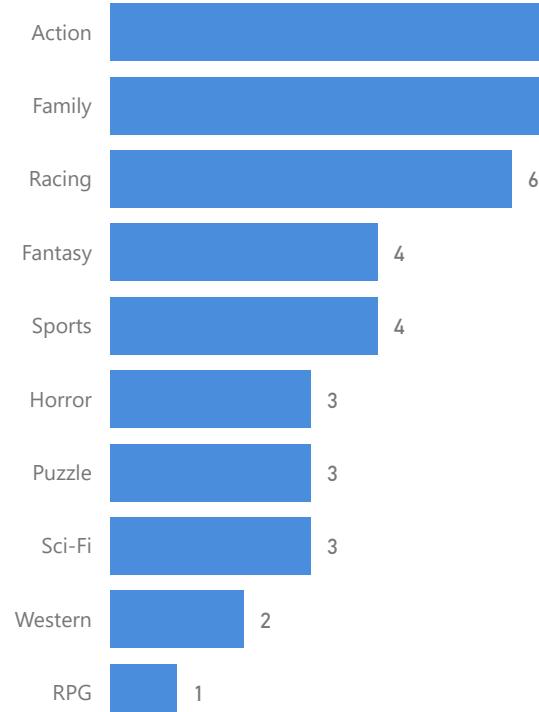
2019

- January
- February
- March
- April
- May
- June

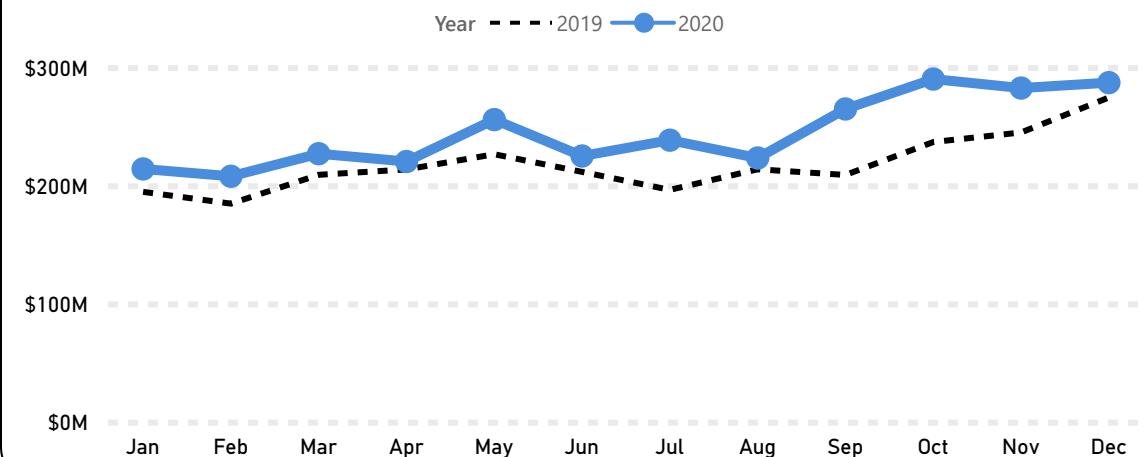
## Category

- Select all
- Action-Adventure
- Battle Royale
- Family
- First-Person Shooter
- Racing
- Rhythm
- Role-Playing Game
- Sports
- Survival Horror
- Third-Person Shooter

### Count of Video Games by Genre



### YOY Sales by Month and Year



### Average Community Score by Video Game Title



Demo: Building different kind of Slicers

# 2020 Sales Comparison: Major Video Game Platforms



Date ▾

1/1/2020    12/31/2020

Platform, Title ▾

- Select all
- Funstation VI
- Nintokyo Shift
- Z Cube 3

In-Game\_Purchases? ▾

All

**\$1.67bn**

Funstation VI Sales

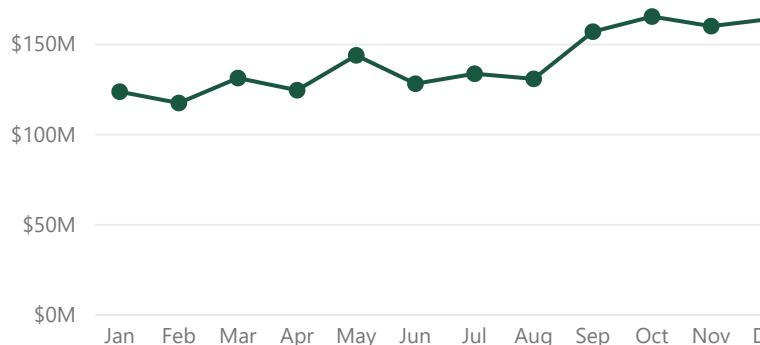
**\$0.22bn**

Nintokyo Shift Sales

**\$1.04bn**

ZCube 3 Sales

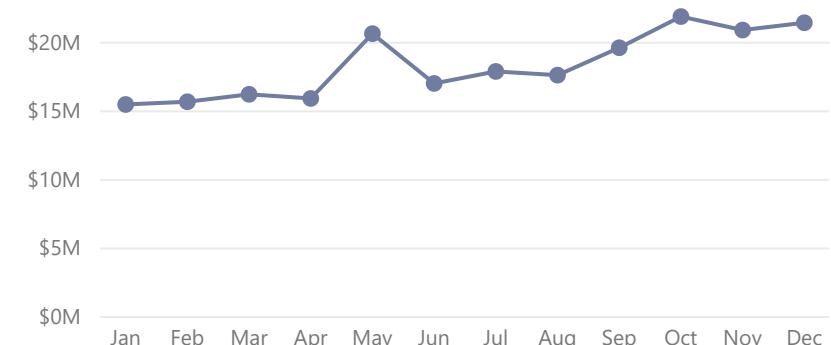
Funstation VI Sales (2020)



Z Cube 3 Sales (2020)



Nintokyo Shift Sales (2020)



Top 3 Games ▾

Sales

Radiation 4	\$360,111,650.76
Two Weeks	\$325,581,733.13
Elden Scroll VII	\$322,797,427.60

Top 3 Games ▾

Sales

Cry of War III	\$798,395,701.42
Sprockets of Strife	\$150,821,447.18
Occupant Evil VII	\$32,265,105.88

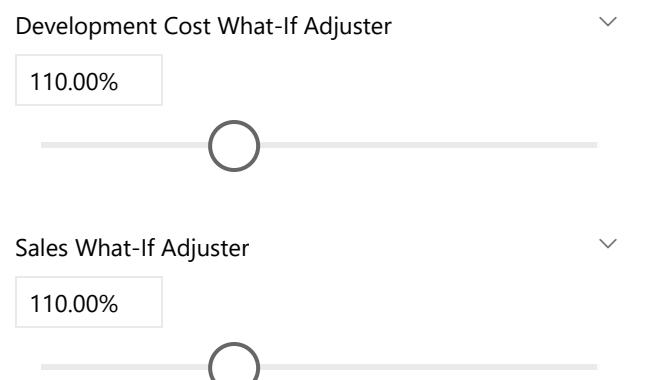
Top 3 Games ▾

Sales

Speedy the Porcupine 2	\$26,648,016.33
Spirits of Kyoto	\$28,857,514.84
The Legend of Selma: Sword of Harmony	\$139,581,033.21

## Course 3 Lesson 5: Demo's and Exercises

Category	Developer	Title	Development Cost	What-If Development Cost	Sales	What-If Sales
Action-Adventure	Knife's Edge	Spider-Person	\$90,000,000.0	\$99,000,000	\$393,958,435.05	433,354,278.56
Action-Adventure	Nintokyo	Speedy the Porcupine 2	\$20,000,000.0	\$22,000,000	\$71,894,135.95	79,083,549.54
Action-Adventure	Nintokyo	Super Marko's World	\$75,000,000.0	\$82,500,000	\$252,798,601.20	278,078,461.32
Battle Royale	Legendary Games	Two Weeks	\$20,000,000.0	\$22,000,000	\$914,451,094.20	1,005,896,203.62
Battle Royale	Touchdown	Tournament of Titans III	\$30,000,000.0	\$33,000,000	\$729,751.09	802,726.20
Family	Indie Stars	Oddly-Shaped Block Stacker	\$20,000.0	\$22,000	\$5,721,090.60	6,293,199.65
Family	Nintokyo	Family Dance Party V	\$10,000,000.0	\$11,000,000	\$1,213,841.26	1,335,225.39
Family	Nintokyo	Farm World	\$95,000,000.0	\$104,500,000	\$904,315.88	994,747.47
Family	Nintokyo	Fit Family II	\$3,000,000.0	\$3,300,000	\$53,568.11	58,924.93
Family	Nintokyo	Marko Buggy 8	\$45,000,000.0	\$49,500,000	\$52,774,511.49	58,051,962.63
Family	Nintokyo	Marko Party XV	\$17,000,000.0	\$18,700,000	\$14,516.74	15,968.41
Family	No Budget Games	Karaoke with your Dad	\$1,000,000.0	\$1,100,000	\$1,075.42	1,182.97
First-Person Shooter	Buzzwordsoft	Sharpshooter's Moon II	\$75,000,000.0	\$82,500,000	\$10,731,716.00	11,804,887.60
First-Person Shooter	Buzzwordsoft	Space Assault	\$80,000,000.0	\$88,000,000	\$21,644,148.01	23,808,562.81
First-Person Shooter	Mercury Games	Cry of War III	\$100,000,000.0	\$110,000,000	\$2,137,913,291.81	2,351,704,620.99
Racing	Blue Moon Software	Skidrow VI	\$250,000.0	\$275,000	\$2,159,680.82	2,375,648.90
Racing	Buzzwordsoft	Expensive, Fast Cars 4	\$110,000,000.0	\$121,000,000	\$25,424,410.10	27,966,851.11
Racing	Indie Stars	Fender BenderZ	\$2,000,000.0	\$2,200,000	\$8,232,080.16	9,055,288.17
Racing	Knife's Edge	Desire for Fastness	\$70,000,000.0	\$77,000,000	\$8,553,367.12	9,408,703.84
Racing	Touchdown	Gran Monaco 8	\$90,000,000.0	\$99,000,000	\$23,602,738.51	25,963,012.36
Rhythm	Indie Stars	Tortoise	\$50,000.0	\$55,000	\$921,122.46	1,013,234.70
Rhythm	Nintokyo	Puzzlr 3	\$4,000,000.0	\$4,400,000	\$2,163,463.87	2,379,810.26
Role-Playing Game	Avalon Studios	Elden Scroll VII	\$180,000,000.0	\$198,000,000	\$875,274,344.61	962,801,779.07
Role-Playing Game	Avalon Studios	Radiation 4	\$175,000,000.0	\$192,500,000	\$958,177,637.64	1,053,995,401.40
Role-Playing Game	Avalon Studios	Steampunk 1877	\$190,000,000.0	\$209,000,000	\$96,860,459.53	106,546,505.49
Role-Playing Game	Blue Moon Software	Honorable Outlaw	\$50,000,000.0	\$55,000,000	\$11,642,785.78	12,807,064.35
Role-Playing Game	Indie Stars	Spirits of Kyoto	\$9,000,000.0	\$9,900,000	\$75,482,626.95	83,030,889.65
Role-Playing Game	Nintokyo	The Legend of Selma: Sword of Harmony	\$150,000,000.0	\$165,000,000	\$370,973,681.92	408,071,050.11
Sports	Knife's Edge	Lord of Combat	\$140,000,000.0	\$154,000,000	\$374,364,119.20	411,800,531.12
Sports	Touchdown	Another Soccer Game	\$87,000,000.0	\$95,700,000	\$57,776,464.67	63,554,111.14
Sports	Touchdown	Basketball Stars 2020	\$85,000,000.0	\$93,500,000	\$53,950,674.85	59,345,742.33
Sports	Touchdown	Real Golf 2K2K	\$10,000,000.0	\$11,000,000	\$9,778,594.74	10,756,454.21
Survival Horror	Jumpscare Studios	Outbreak III: The Re-Outbreaking	\$15,000,000.0	\$16,500,000	\$153,384,441.48	168,722,885.62
Survival Horror	Jumpscare Studios	The Darkness Inside	\$45,000,000.0	\$49,500,000	\$70,979,347.13	78,077,281.84
Survival Horror	Knife's Edge	Occupant Evil VII	\$35,000,000.0	\$38,500,000	\$85,146,771.58	93,661,448.74
Third-Person Shooter	Buzzwordsoft	Apocalypse Runner	\$750,000.0	\$825,000	\$24,732,512.53	27,205,763.78
Third-Person Shooter	Knife's Edge	Ninja's Vow II	\$4,000,000.0	\$4,400,000	\$149,677,735.96	164,645,509.56
<b>Total</b>			<b>\$2,473,070,000.0</b>	<b>\$2,720,377,000</b>	<b>\$7,898,895,968.54</b>	<b>8,688,785,565.40</b>



Demonstration of what-if analysis. In this demonstration, the user gets to adjust the percentage by which Development Cost increases and can adjust the sales to see if the Sales value with the increased percentage makes sense.

**\*\*Note:** This is normally done for Forecasting, but since I wanted to demonstrate the slider and what-if analysis, I considered these columns.

# Power BI Object Groups & Bookmarks Demonstration Report

Title

All

Developer

- Select all
- Avalon Studios
- Blue Moon Software
- Buzzwordsoft
- Indie Stars
- Jumpscale Studios
- Knife's Edge
- Legendary Games
- Mercury Games
- Nintokyo
- No Budget Games
- Touchdown

Platform

- Select all
- Funstation VI
- Nintokyo Shift
- Z Cube 3

Rating

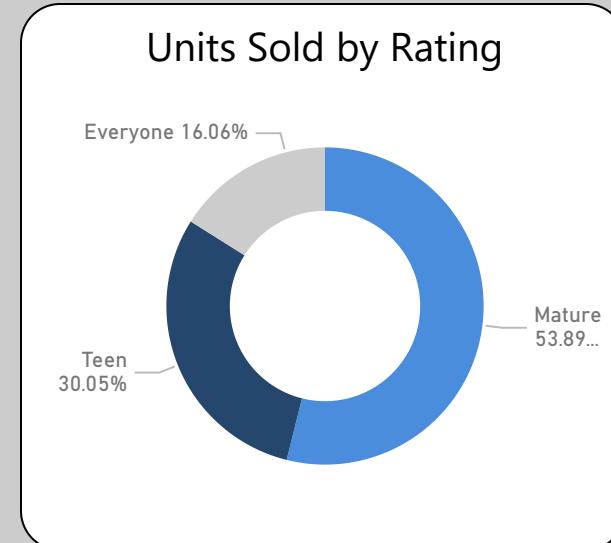
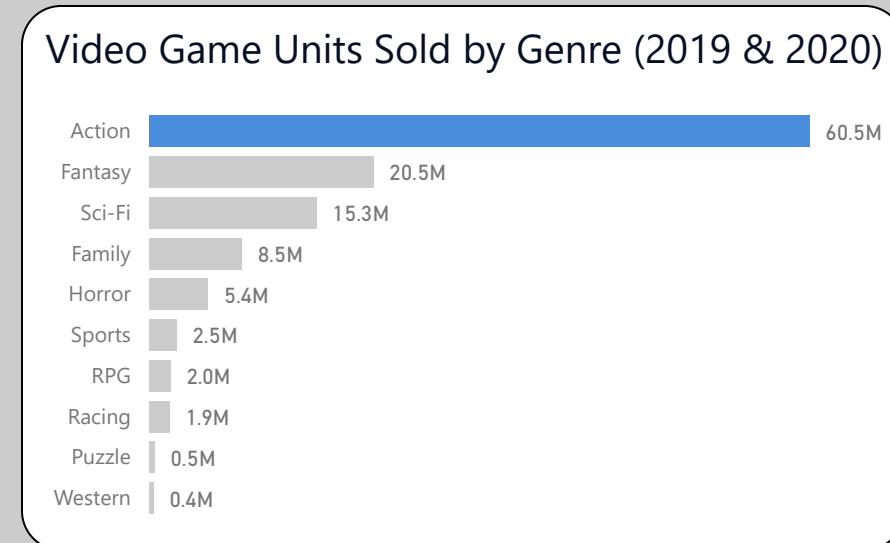
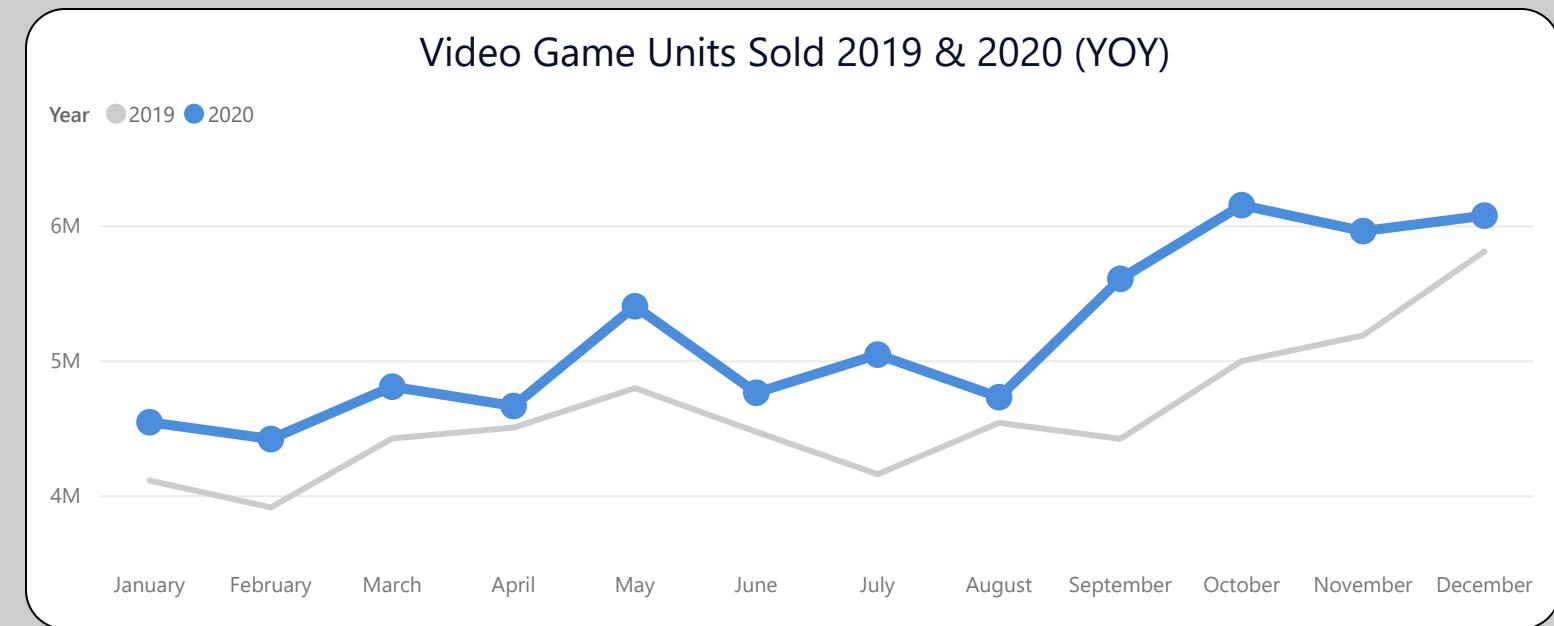
- Select all
- Everyone
- Mature
- Teen

Genre

- Select all
- Action
- Family
- Fantasy
- Horror
- Puzzle
- Racing
- RPG
- Sci-Fi
- Sports
- Western

Category

- Select all
- Action-Adventure
- Battle Royale
- Family
- First-Person Shooter
- Racing
- Rhythm
- Role-Playing Game
- Sports
- Survival Horror
- Third-Person Shooter



Demo: Building Object groups in Selection Pane and Bookmarks(Reset to original report, hide slicers, save specific filter combinations for later use).

# Power BI Object Groups & Bookmarks Exercise Report

Title

All

Developer

- Select all
- Avalon Studios
- Blue Moon Software
- Buzzwordsoft
- Indie Stars
- Jumpsquare Studios
- Knife's Edge
- Legendary Games
- Mercury Games
- Nintokyo
- No Budget Games
- Touchdown

Platform

- Select all
- Funstation VI
- Nintokyo Shift
- Z Cube 3

Rating

- Select all
- Everyone
- Mature
- Teen

Genre

- Select all
- Action
- Family
- Fantasy
- Horror
- Puzzle
- Racing
- RPG
- Sci-Fi
- Sports
- Western

Category

- Select all
- Action-Adventure
- Battle Royale
- Family
- First-Person Shooter
- Racing
- Rhythm
- Role-Playing Game
- Sports
- Survival Horror
- Third-Person Shooter

**Reset Slicers**

**Top 10 Games**

**Bottom 10 Games**

## Highest & Lowest Rated Games by Game Spot Scores

Title	Genre	Rating	Score
Apocalypse Runner	Action	Mature	3.5
Desire for Fastness	Racing	Everyone	5.5
Fender BenderZ	Racing	Teen	3.0
Fit Family II	Family	Everyone	5.0
Honorable Outlaw	Western	Everyone	5.5
Karaoke with your Dad	Family	Everyone	1.0
Marko Party XV	Family	Everyone	2.5
Outbreak III: The Re-Outbreaking	Horror	Mature	5.0
Puzzlr 3	Puzzle	Everyone	5.5
Sharpshooter's Moon II	Western	Teen	5.5
Skidrow VI	Racing	Mature	2.0
<b>Average Score</b>			<b>4.0</b>

Exercise: Building a Slicer/Filter Reset Button and Saving Filters with Bookmarks and Buttons

# Power BI Swapping Visuals Using Buttons Demonstration Report

Title  
All

Developer  
 Select all  
 Avalon Studios  
 Blue Moon Software  
 Buzzwordsoft  
 Indie Stars  
 Jumpscale Studios  
 Knife's Edge  
 Legendary Games  
 Mercury Games  
 Nintokyo  
 No Budget Games  
 Touchdown

Platform  
 Select all  
 Funstation VI  
 Nintokyo Shift  
 Z Cube 3

Rating  
 Select all  
 Everyone  
 Mature  
 Teen

Genre  
 Select all  
 Action  
 Family  
 Fantasy  
 Horror  
 Puzzle  
 Racing  
 RPG  
 Sci-Fi  
 Sports  
 Western

Category  
 Select all  
 Action-Adventure  
 Battle Royale  
 Family  
 First-Person Shooter  
 Racing  
 Rhythm  
 Role-Playing Game  
 Sports  
 Survival Horror  
 Third-Person Shooter

Video Game Units Sold Over Time

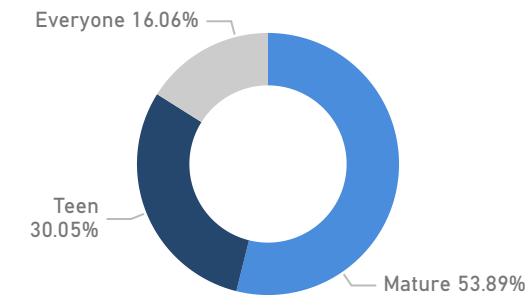
Video Game Units Year Over Year



Video Game Units Sold by Genre (2019 & 2020)

Action	60.5M
Fantasy	20.5M
Sci-Fi	15.3M
Family	8.5M
Horror	5.4M
Sports	2.5M
RPG	2.0M

Units Sold by Rating



Demo: Building Visual-Swap Buttons (Option to swap between Over Time Period (2019 & 2020) Units Sold and Year Over Year Line Charts).

# Power BI Swapping Visuals Using Buttons Demonstration Report

Title  
All

Developer  
 Select all  
 Avalon Studios  
 Blue Moon Software  
 Buzzwordsoft  
 Indie Stars  
 Jumpscale Studios  
 Knife's Edge  
 Legendary Games  
 Mercury Games  
 Nintokyo  
 No Budget Games  
 Touchdown

Platform  
 Select all  
 Funstation VI  
 Nintokyo Shift  
 Z Cube 3

Rating  
 Select all  
 Everyone  
 Mature  
 Teen

Genre  
 Select all  
 Action  
 Family  
 Fantasy  
 Horror  
 Puzzle  
 Racing  
 RPG  
 Sci-Fi  
 Sports  
 Western

Category  
 Select all  
 Action-Adventure  
 Battle Royale  
 Family  
 First-Person Shooter  
 Racing  
 Rhythm  
 Role-Playing Game  
 Sports  
 Survival Horror  
 Third-Person Shooter

Video Game Units Sold Over Time

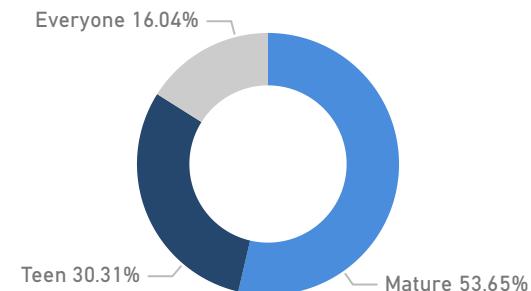
Video Game Units Year Over Year



Video Game Units Sold by Genre (2019 & 2020)

Action	86.2M
Fantasy	29.4M
Sci-Fi	21.6M
Family	12.2M
Horror	7.7M
Sports	3.5M
RPG	2.7M

Units Sold by Rating

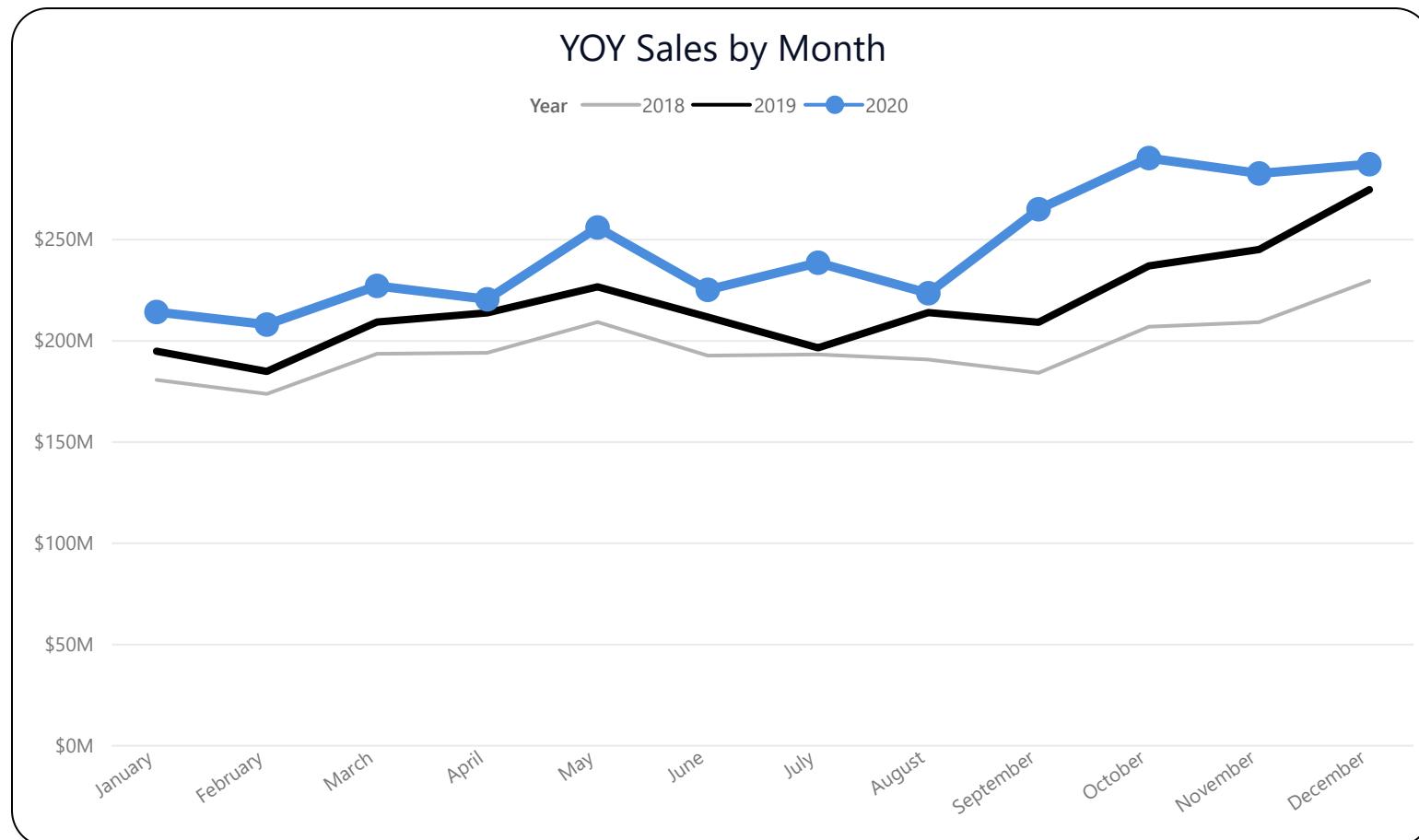


Demo: Building Visual-Swap Buttons (Option to swap between Over Time Period (2019 & 2020) Units Sold and Year Over Year Line Charts).

# Power BI Swapping Visuals Using Buttons Exercise Report

YOY Sales by Month (Line Chart)

Total Sales by Category (Bar Chart)

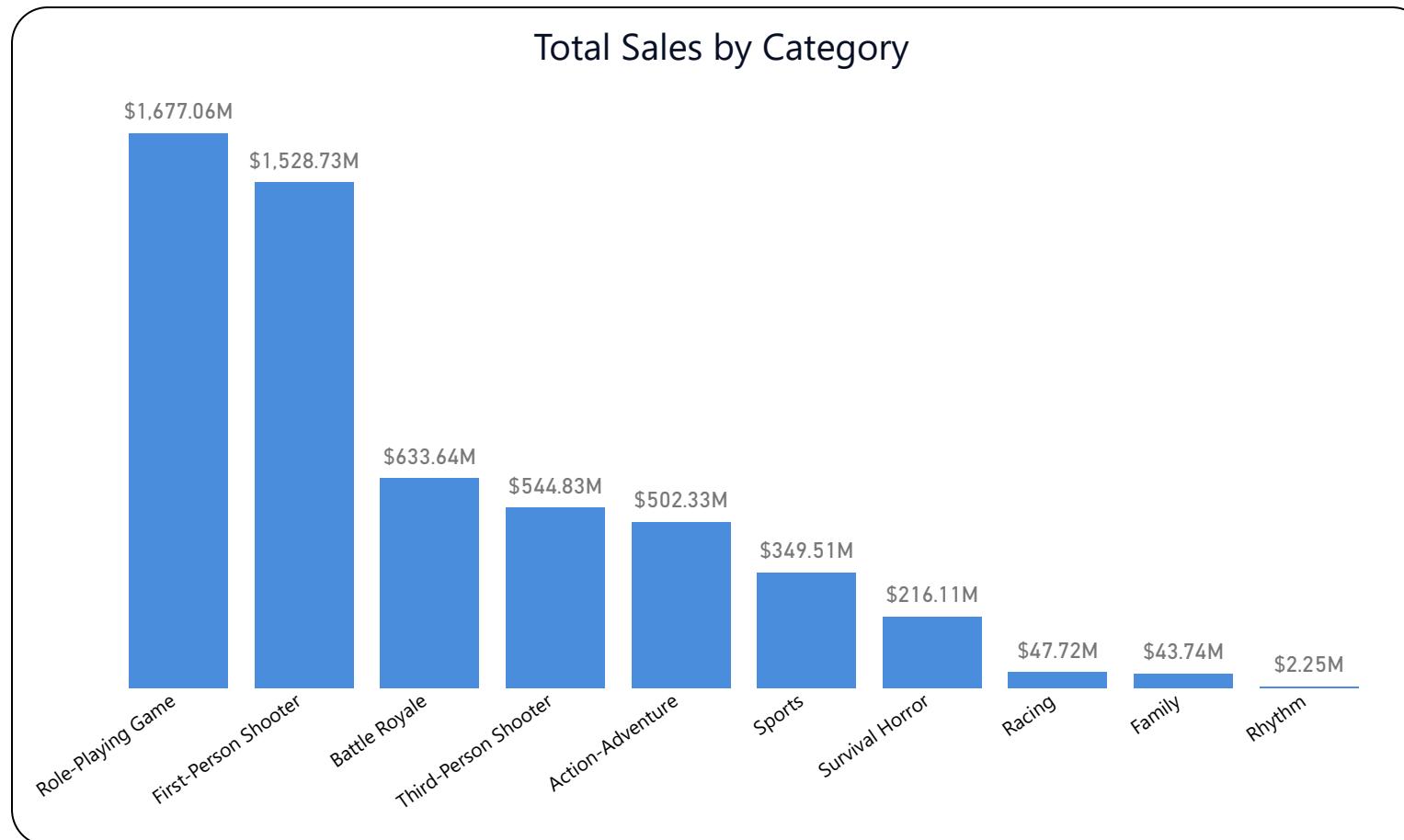


Exercise: Building Visual-Swap Buttons (Option to swap between YOY Sales by Month Line Chart & Total Sales by Category Bar Chart).

# Power BI Swapping Visuals Using Buttons Exercise Report

YOY Sales by Month (Line Chart)

Total Sales by Category (Bar Chart)



Exercise: Building Visual-Swap Buttons (Option to swap between YOY Sales by Month Line Chart & Total Sales by Category Bar Chart).

# Power BI Drill-Through Pages Demonstration Report

Title

All

Developer

- Select all
- Avalon Studios
- Blue Moon Software
- Buzzwordsoft
- Indie Stars
- Jumpscale Studios
- Knife's Edge
- Legendary Games
- Mercury Games
- Nintokyo
- No Budget Games
- Touchdown

Platform

- Select all
- Funstation VI
- Nintokyo Shift
- Z Cube 3

Rating

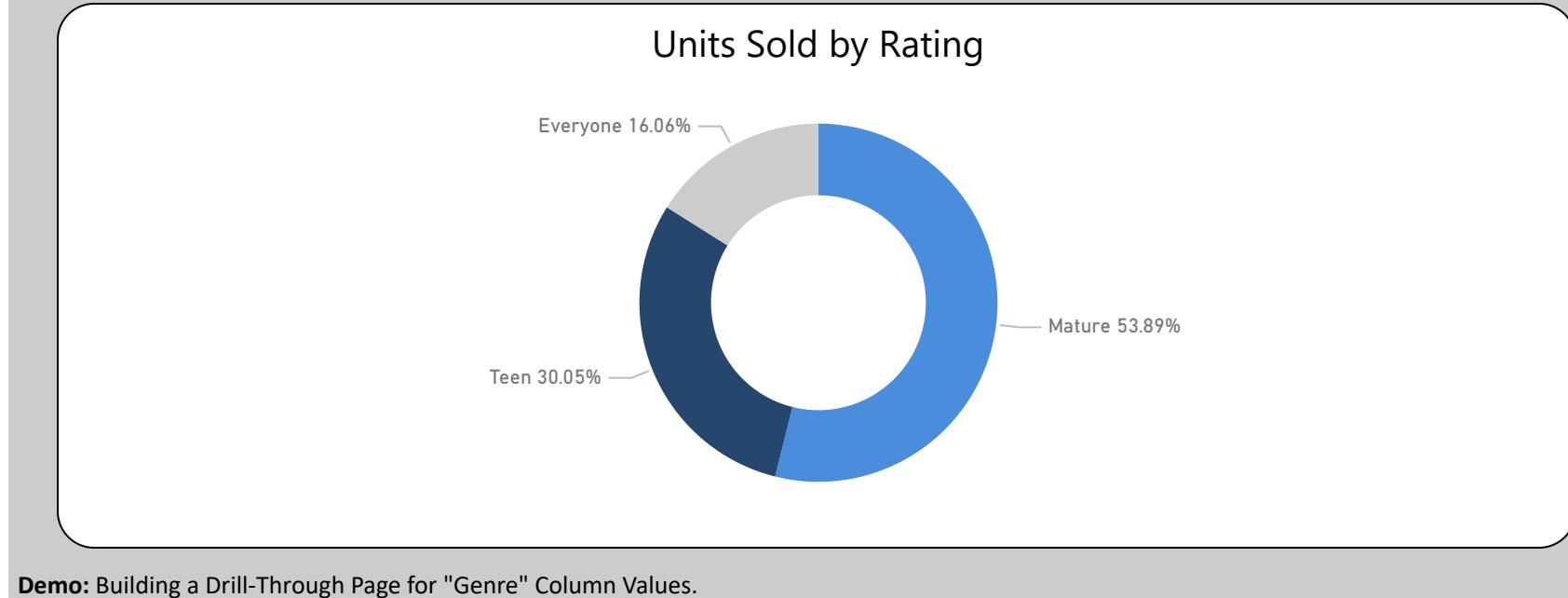
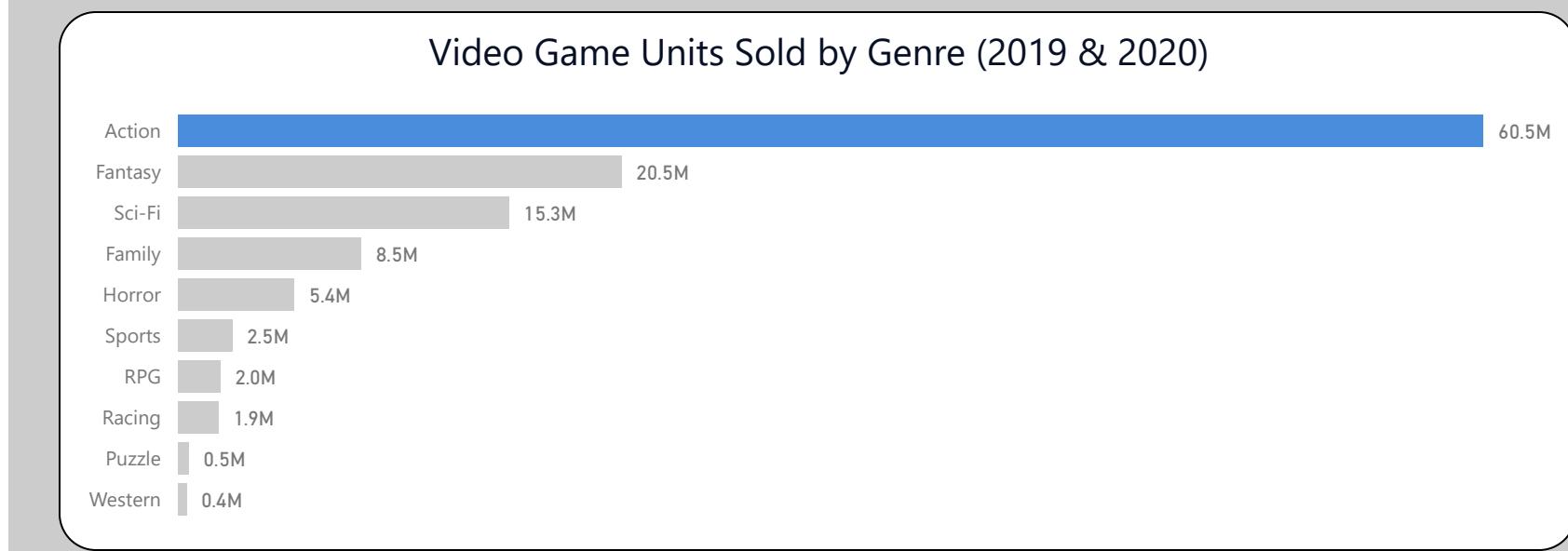
- Select all
- Everyone
- Mature
- Teen

Genre

- Select all
- Action
- Family
- Fantasy
- Horror
- Puzzle
- Racing
- RPG
- Sci-Fi
- Sports
- Western

Category

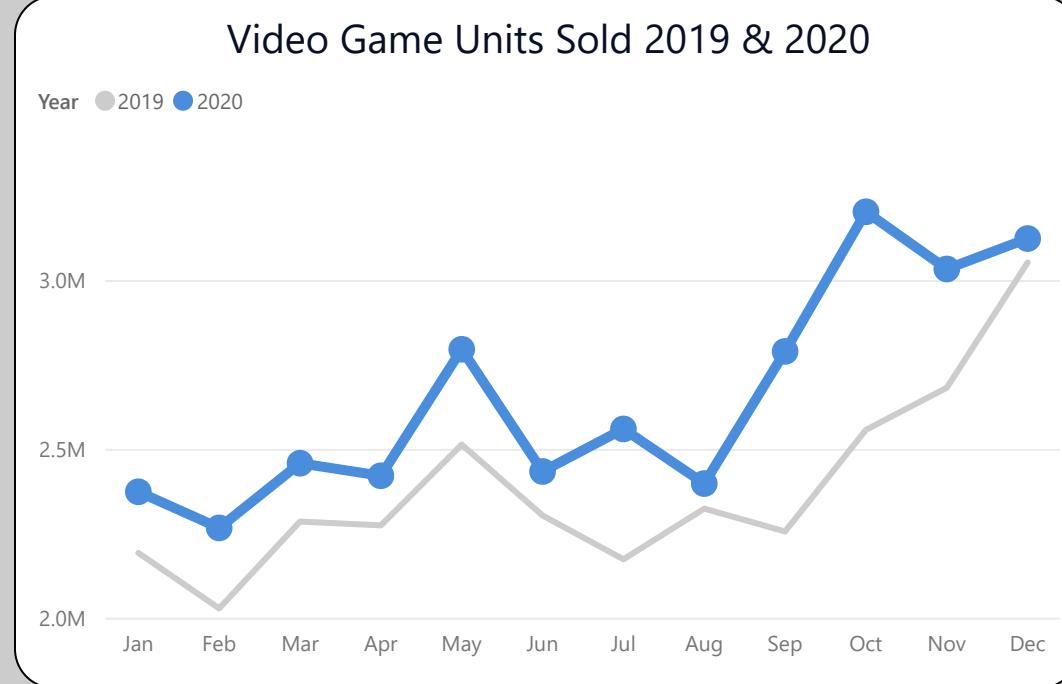
- Select all
- Action-Adventure
- Battle Royale
- Family
- First-Person Shooter
- Racing
- Rhythm
- Role-Playing Game
- Sports
- Survival Horror
- Third-Person Shooter



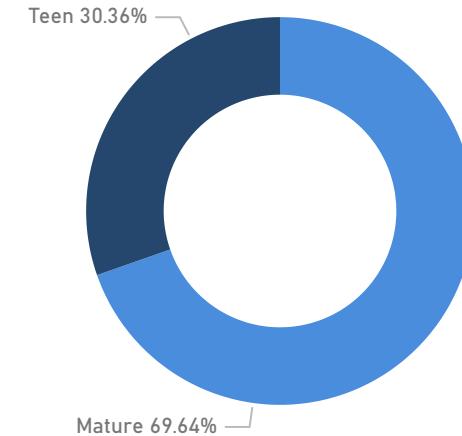


## Action

Selected Genre



### Units Sold by Rating



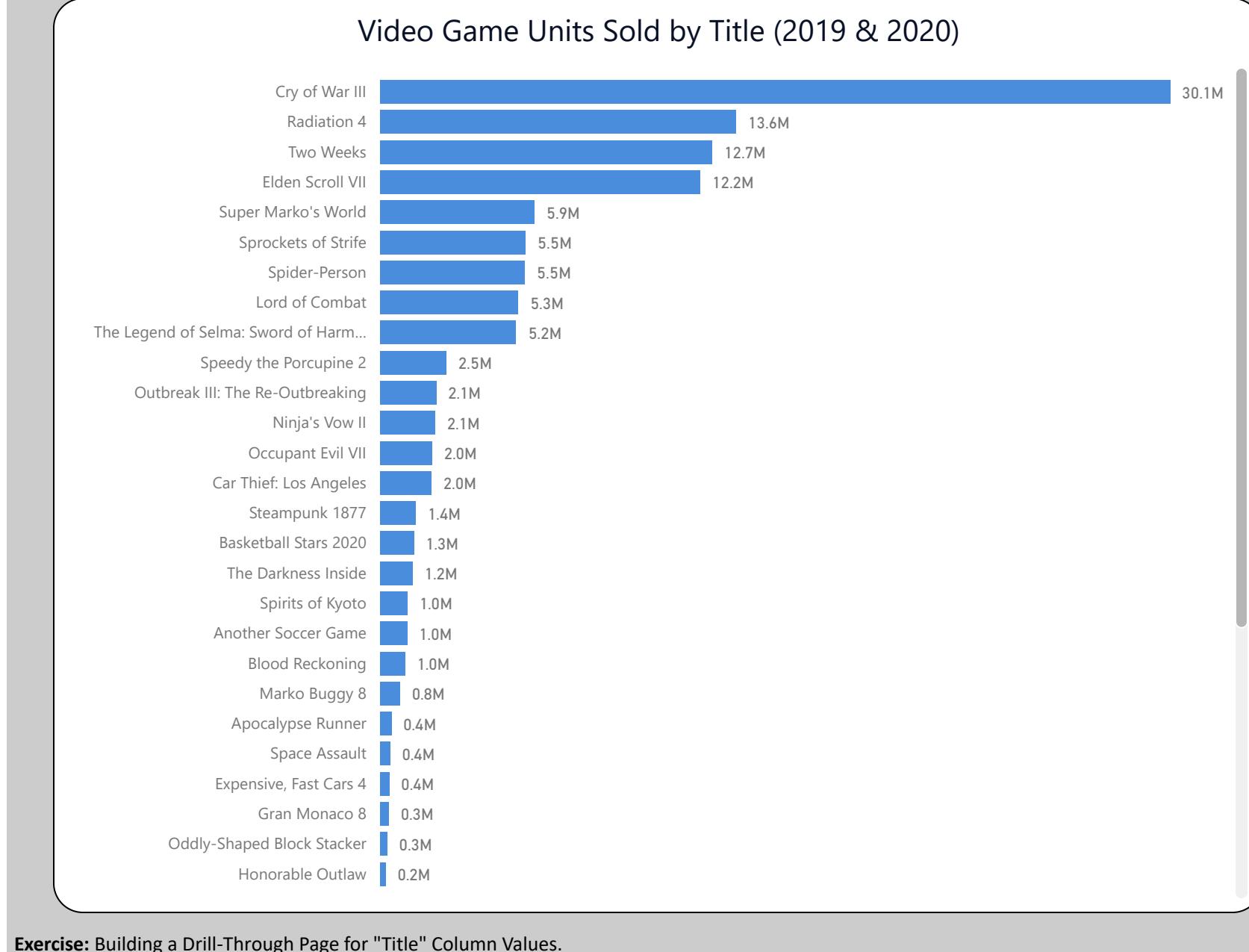
Genre	Category	Title	Sales
Action	First-Person Shooter	Cry of War III	\$2,137,913,291.81
Action	Battle Royale	Two Weeks	\$914,451,094.20
Action	Action-Adventure	Spider-Person	\$393,958,435.05
Action	Third-Person Shooter	Sprockets of Strife	\$389,938,756.15
Action	Sports	Lord of Combat	\$374,364,119.20
Action	Third-Person Shooter	Blood Reckoning	\$67,617,760.24
Action	Third-Person Shooter	Apocalypse Runner	\$24,732,512.53
<b>Total</b>			<b>\$4,302,975,969.17</b>

\*\*Note: Drill-Through Page for "Genre" Values

# Power BI Drill-Through Pages Exercise Report

Filter controls for the drill-through page:

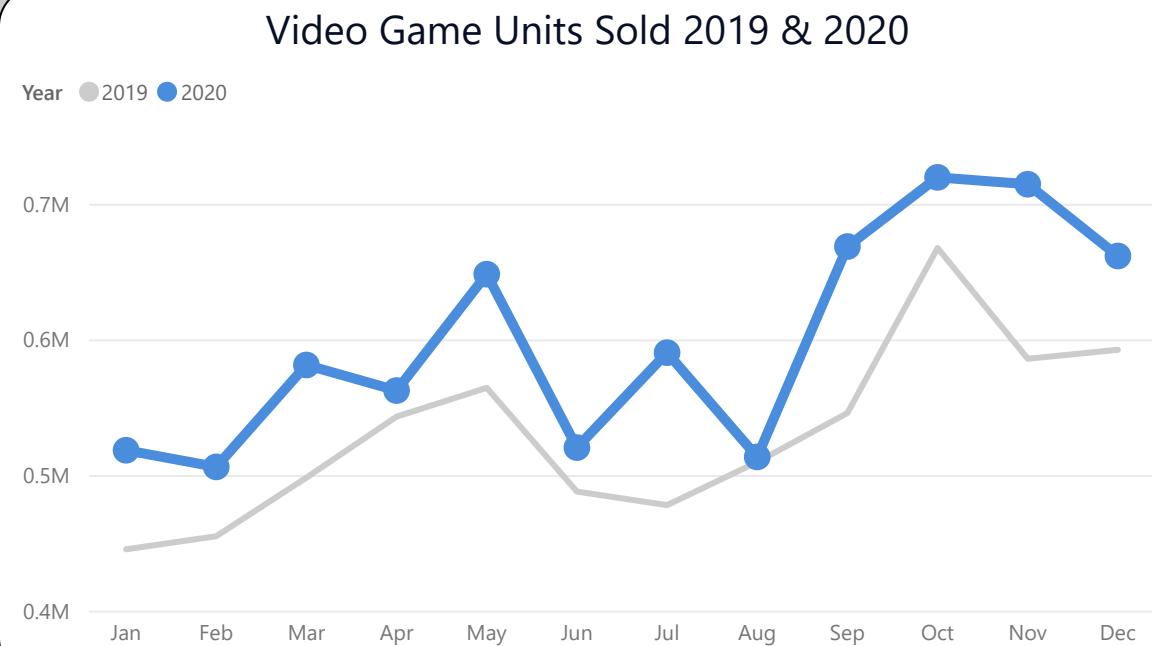
- Title:** All
- Developer:** Select all, Avalon Studios, Blue Moon Software, Buzzwordsoft, Indie Stars, Jumpscale Studios, Knife's Edge, Legendary Games, Mercury Games, Nintokyo, No Budget Games, Touchdown.
- Platform:** Select all, Funstation VI, Nintokyo Shift, Z Cube 3.
- Rating:** Select all, Everyone, Mature, Teen.
- Genre:** Select all, Action, Family, Fantasy, Horror, Puzzle, Racing, RPG, Sci-Fi, Sports, Western.
- Category:** Select all, Action-Adventure, Battle Royale, Family, First-Person Shooter, Racing, Rhythm, Role-Playing Game, Sports, Survival Horror, Third-Person Shooter.





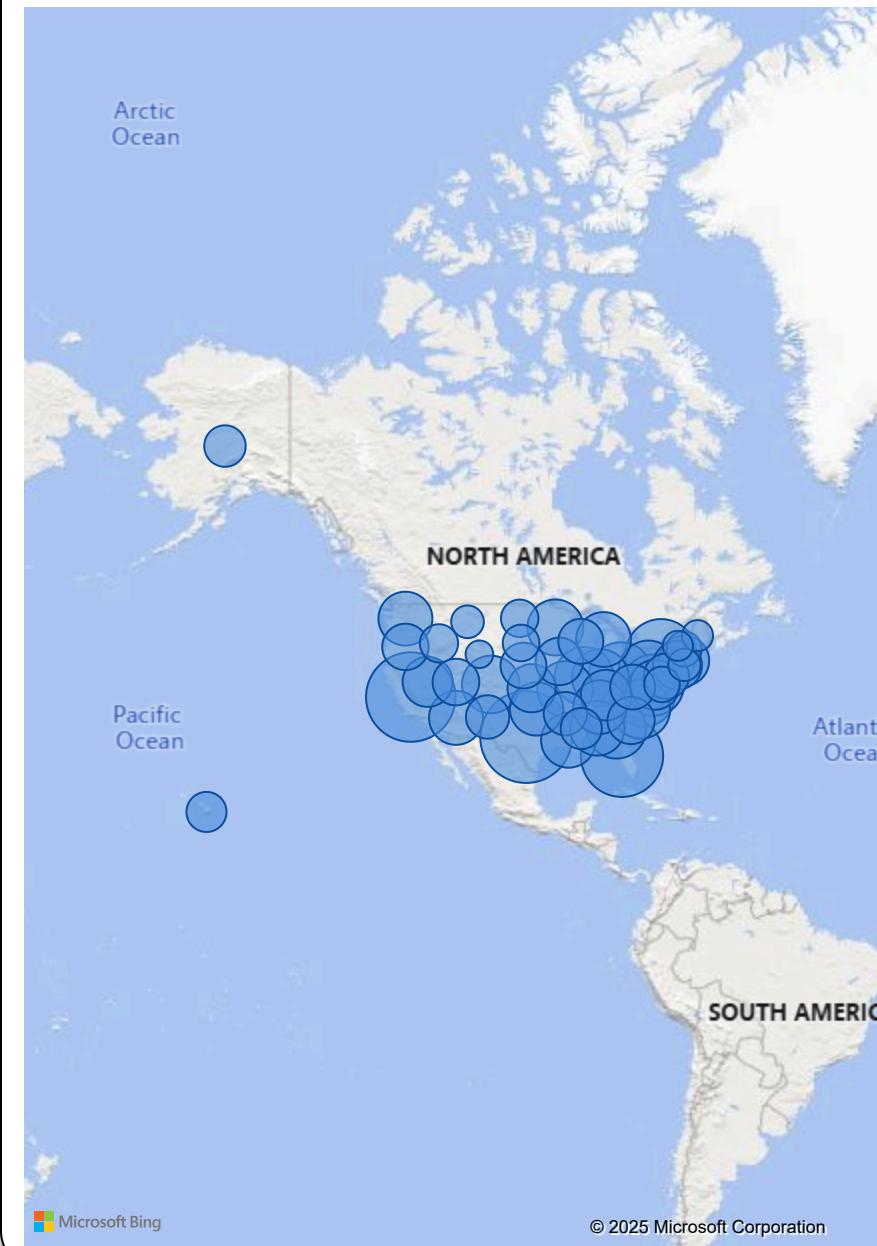
## Radiation 4

Selected Video Game Title



Year	Platform	Category	Genre	Rating	Game_Spot_Score	Sales
2020	Funstation	Role-Playing Game	Sci-Fi	Mature	9.50	\$360,111,650.76
2019	Funstation	Role-Playing Game	Sci-Fi	Mature	9.50	\$318,539,819.29
2018	Funstation	Role-Playing Game	Sci-Fi	Mature	9.50	\$279,526,167.58
<b>Total</b>						<b>\$958,177,637.64</b>

## Units Sold by Rating



\*\*Note: Drill-Through Page for "Titles" Values