

Video Game Sales

PERFORMED BY SLAMBEK DINA

Video Game Sales

	Rank	Name	Platform	Year	Genre	Publisher	NA_Sales	EU_Sales	JP_Sales	Other_Sales	Global_Sales
0	1	Wii Sports	Wii	2006.0	Sports	Nintendo	41.49	29.02	3.77	8.46	82.74
1	2	Super Mario Bros.	NES	1985.0	Platform	Nintendo	29.08	3.58	6.81	0.77	40.24
2	3	Mario Kart Wii	Wii	2008.0	Racing	Nintendo	15.85	12.88	3.79	3.31	35.82
3	4	Wii Sports Resort	Wii	2009.0	Sports	Nintendo	15.75	11.01	3.28	2.96	33.00
4	5	Pokemon Red/Pokemon Blue	GB	1996.0	Role-Playing	Nintendo	11.27	8.89	10.22	1.00	31.37

THIS DATASET CONTAINS A LIST OF VIDEO GAMES WITH SALES GREATER THAN 100,000 COPIES.

FIELDS INCLUDE

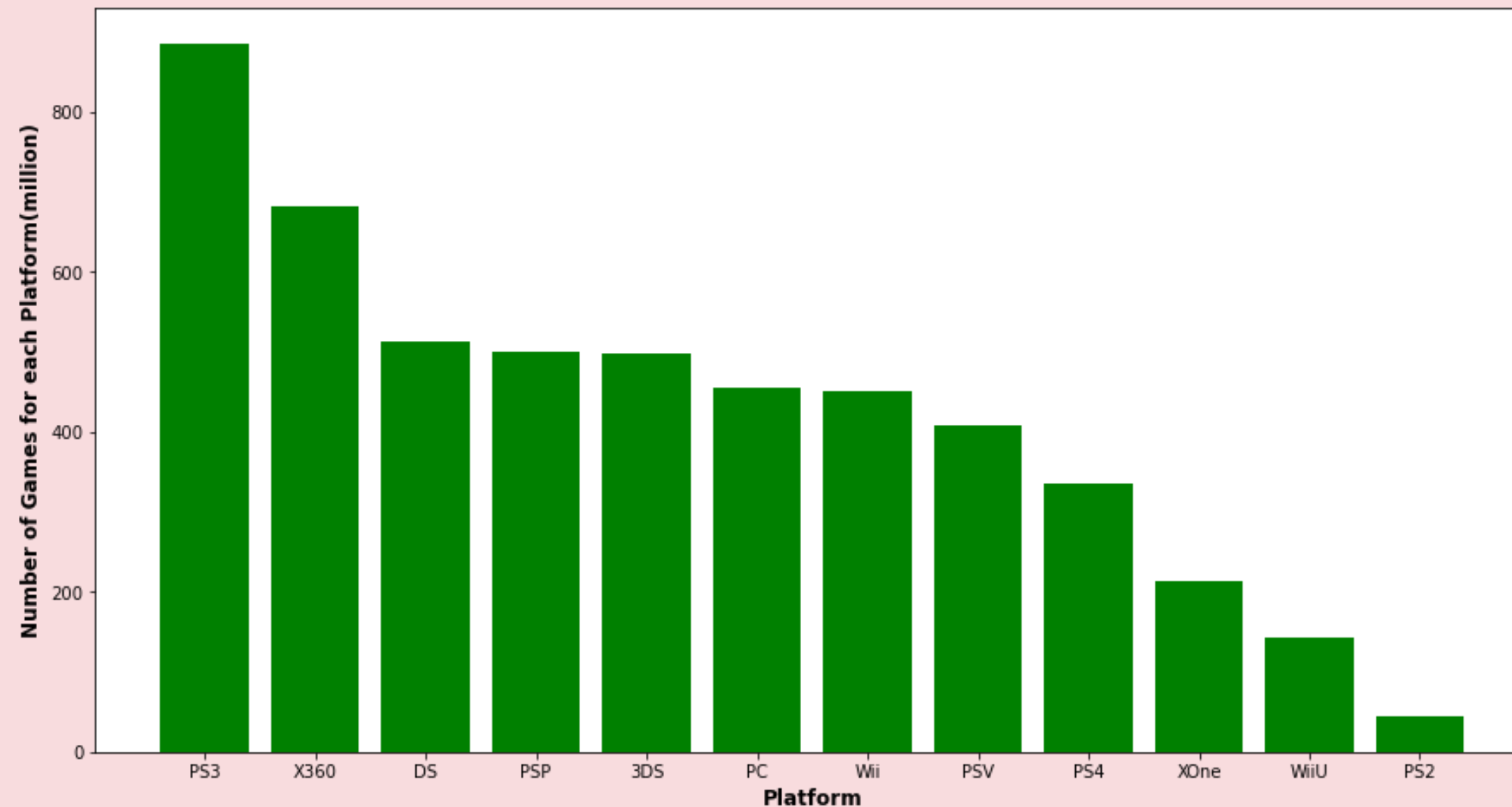
- **RANK - RANKING OF OVERALL SALES**
- **NAME - THE GAMES NAME**
- **PLATFORM - PLATFORM OF THE GAMES RELEASE**
- **YEAR - YEAR OF THE GAME'S RELEASE**
- **GENRE - GENRE OF THE GAME**
- **PUBLISHER - PUBLISHER OF THE GAME**
- **NA_SALES - SALES IN NORTH AMERICA (IN MILLIONS)**
- **EU_SALES - SALES IN EUROPE (IN MILLIONS)**
- **JP_SALES - SALES IN JAPAN (IN MILLIONS)**
- **OTHER_SALES - SALES IN THE REST OF THE WORLD (IN MILLIONS)**
- **GLOBAL_SALES - TOTAL WORLDWIDE SALES.**

Preparing the Data and Preprocessing steps

In this step, I cleared the null values, deleted the data from 2017, since there are almost none. Deleted the "Range" column and reduced the data to 2010

	Name	Platform	Year	Genre	Publisher	NA_Sales	EU_Sales	JP_Sales	Other_Sales	Global_Sales
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Analysis for Categorical variable



Grouping data by its Platform

Here we can see Number of Games for each Platform in millions

PS3-886m

PS2-45m

Analysis for Categorical variable

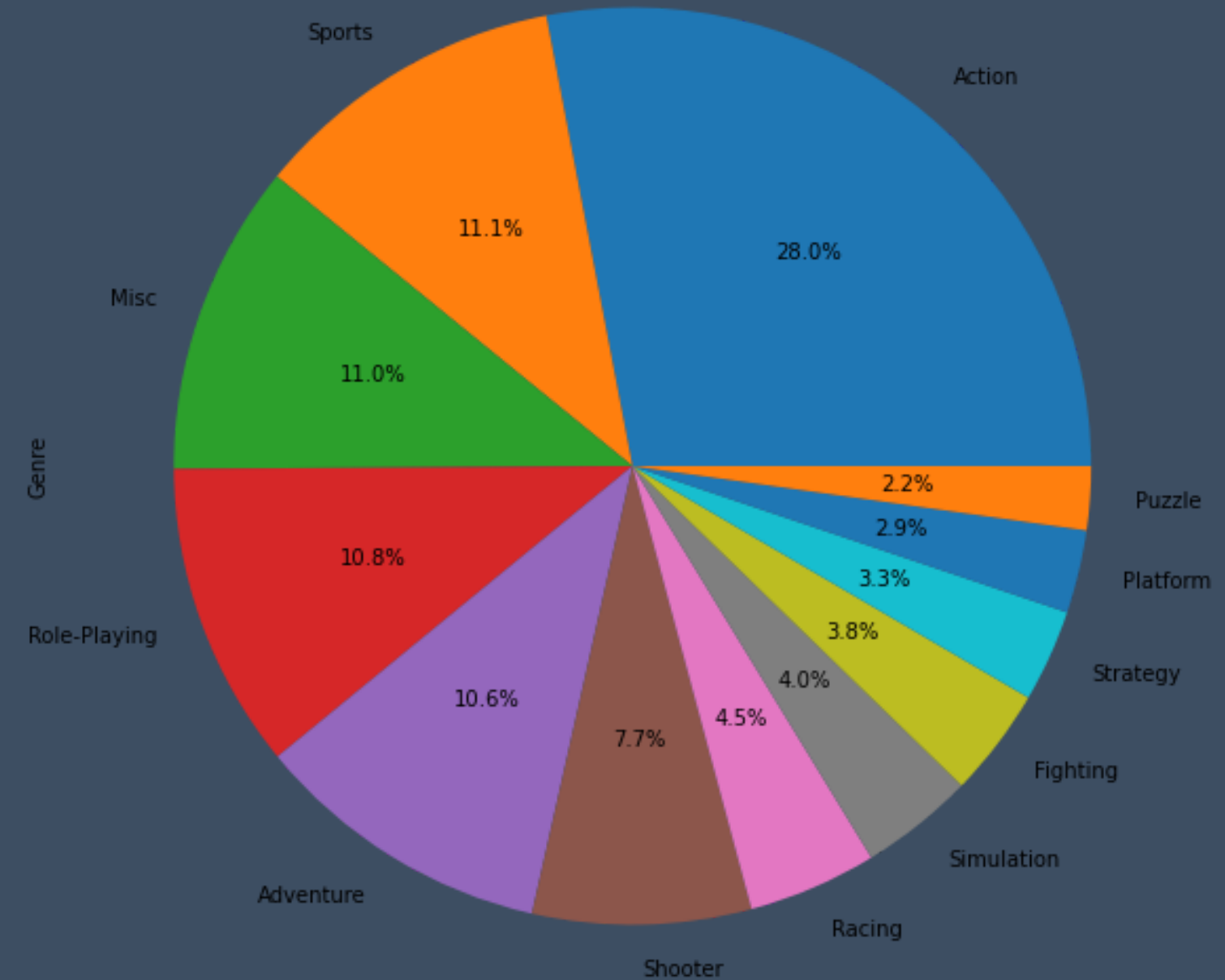
05

Grouping data by its Platform

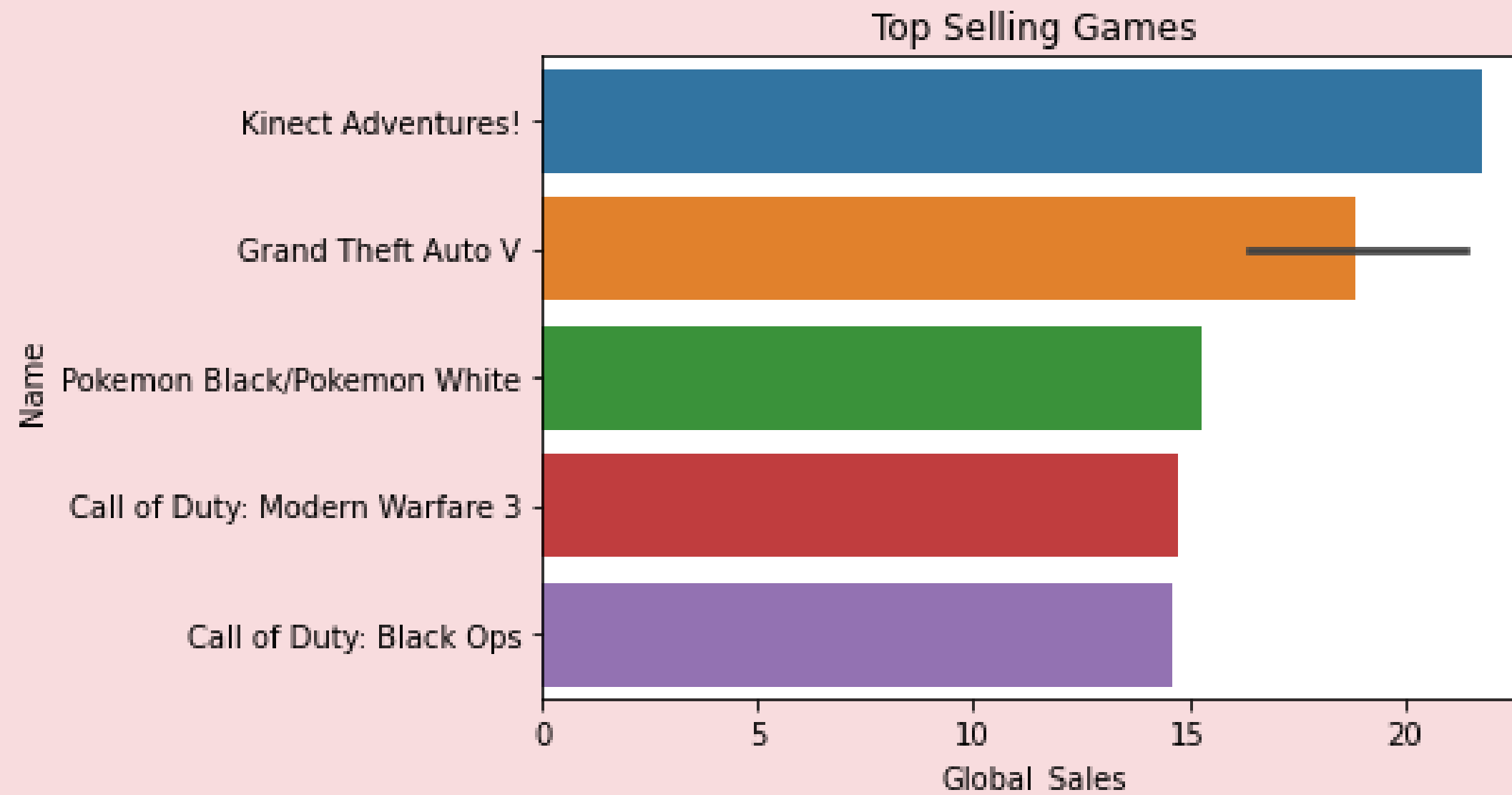
Here we can see Number of Games for each **Genre** in millions

max: **Action-28%**

min: **Puzzle-2.2%**



Analysis for Numeric variable



Finding the best selling games of all time

Kinect Adventures!-21.82m

Grand Theft Auto V-18m

Pokemon Black/Pokemon White-15.32m

Call of Duty: Modern Warfare 3-14.76m

Call of Duty: Black Ops-14.64m

Analysis for Numerical variable

07

Finding the genres with highest sales

Action-673.45

Shooter-462.80

Sports-324.80

Role-Playing-305.67

Misc-238.05

Racing-123.68

Platform-120.67

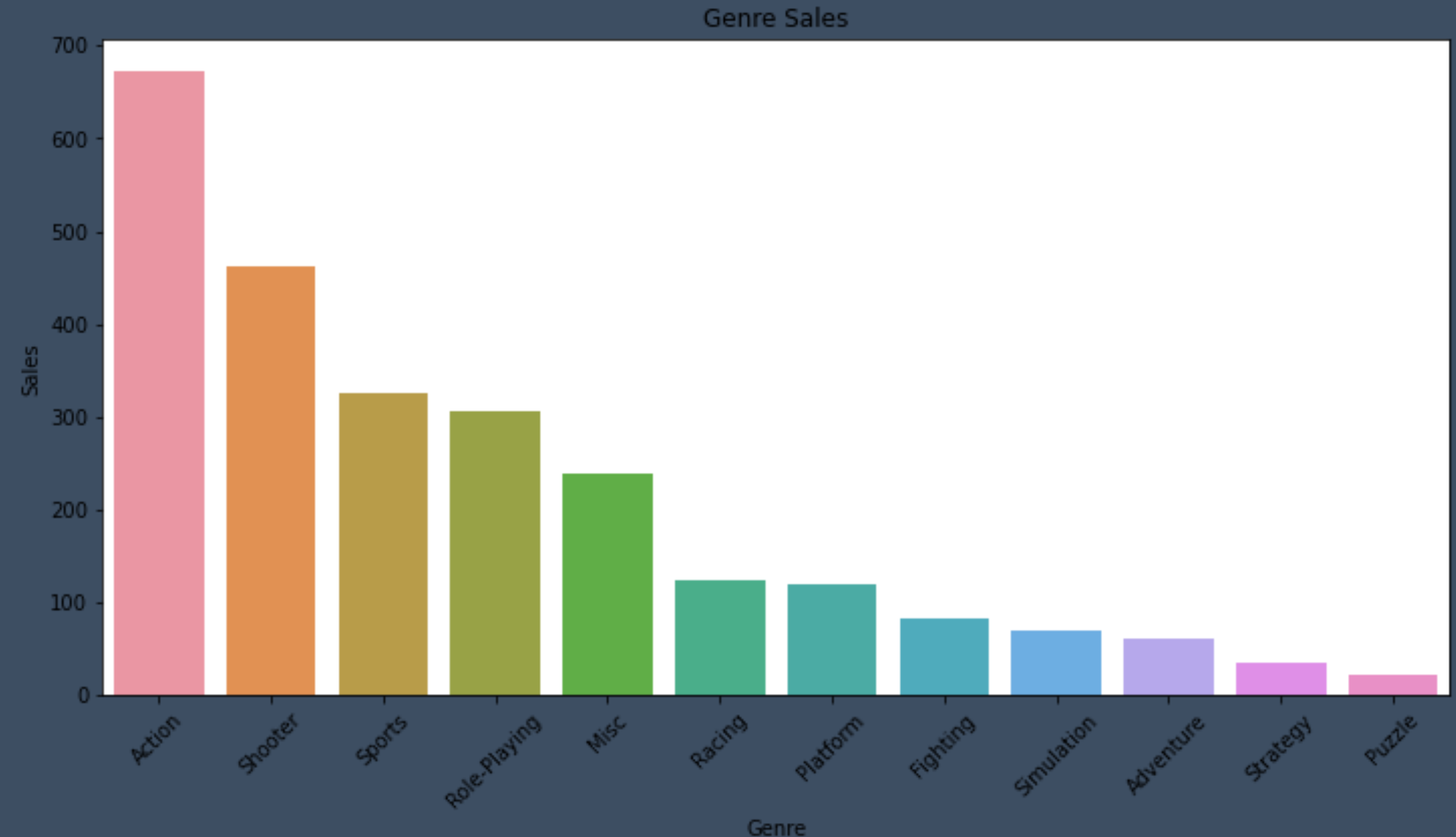
Fighting-82.08

Simulation-70.86

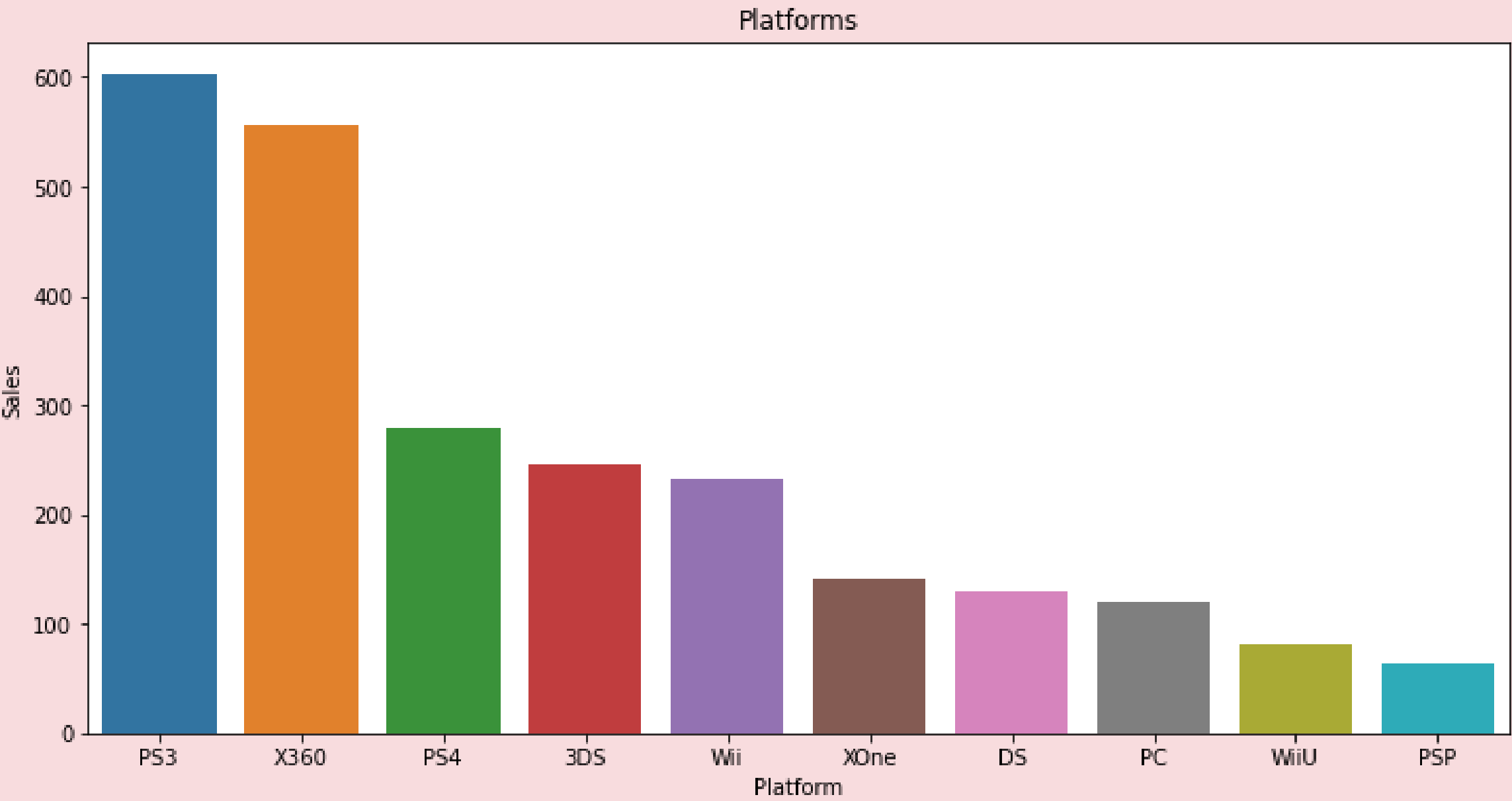
Adventure-61.03

Strategy-35.74

Puzzle-21.23



Analysis for Numeric variable



Finding the Platforms with highest Sales

PS3-602.44	XOne-141.06
X360-556.95	DS-129.35
PS4-278.07	PC-119.78
3DS-246.27	WiiU-81.86
Wii-232.33	PSP-64.27

Analysis for the set of two variable

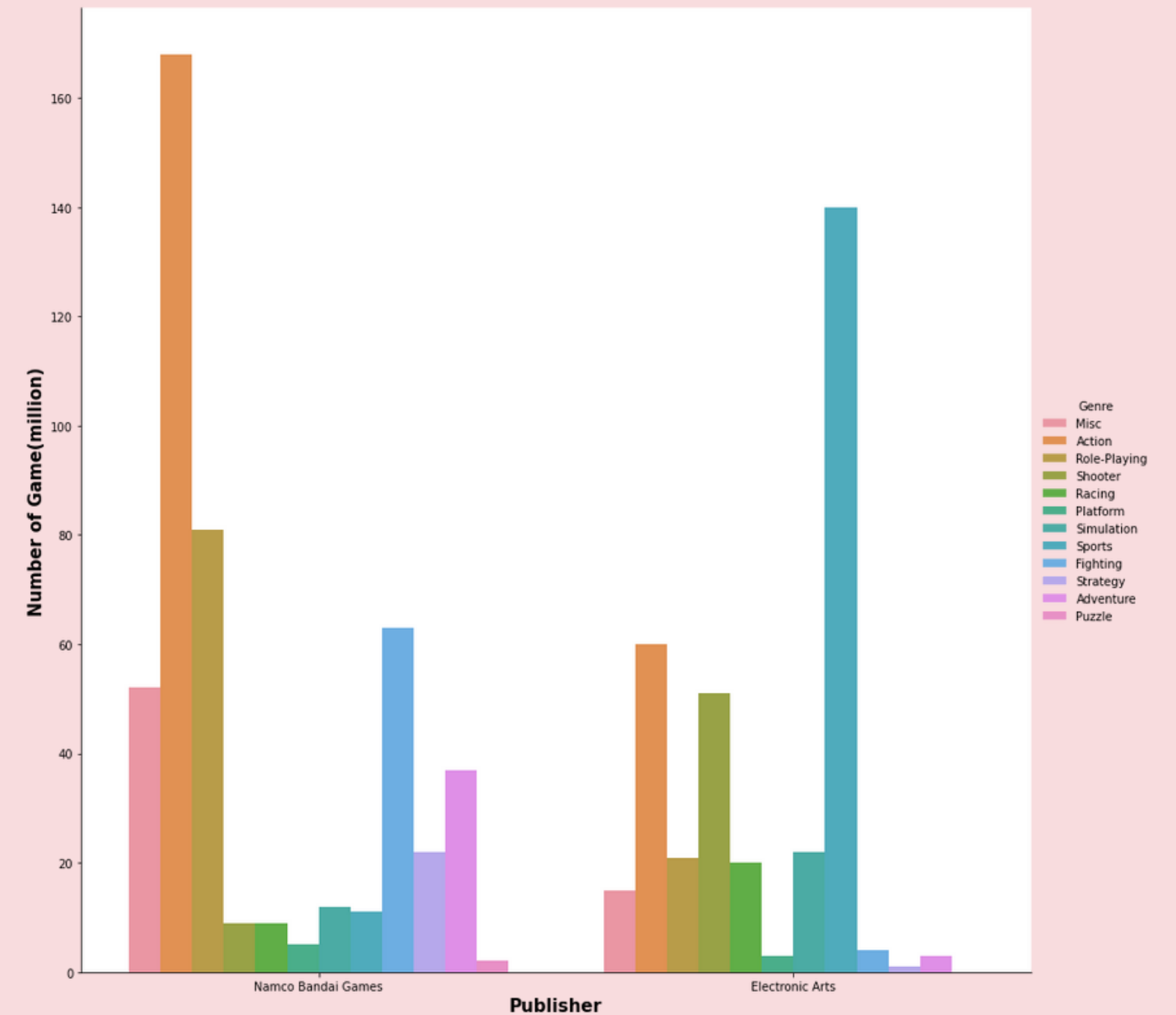
Grouping games by Top2 Publisher and Genre

Namco Bandai Games

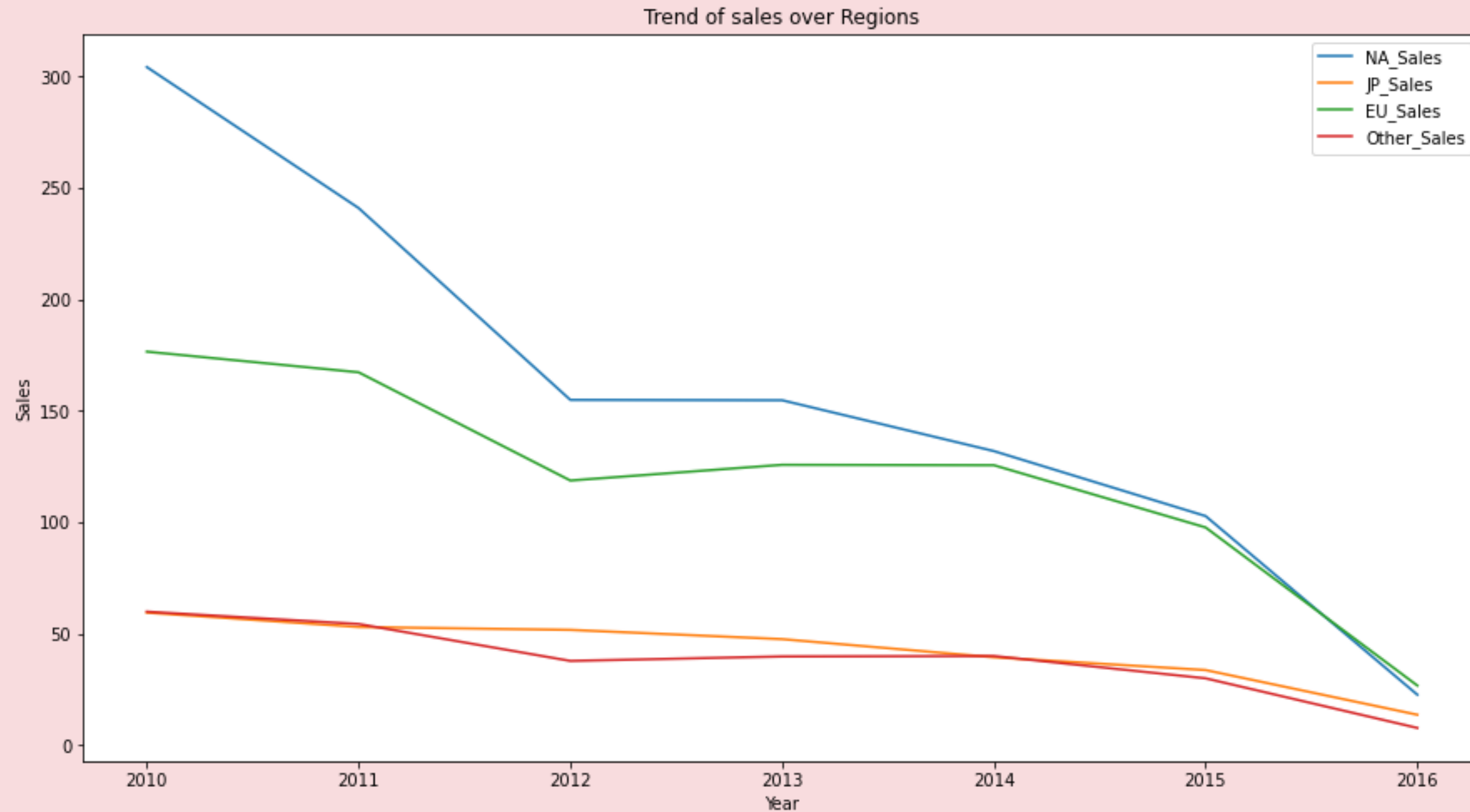
max: Action
min: Puzzle

Electronic Arts

max: Sports
min: Strategy



Analysis for Datetime variable



Trend of video games Sales between regions

Here I grouped the column "Year" by region, here we see 4 regions:

NA_Sales-Sales in North America

JP_Sales-Sales in Japan

EU_Sales-Sales in Europe

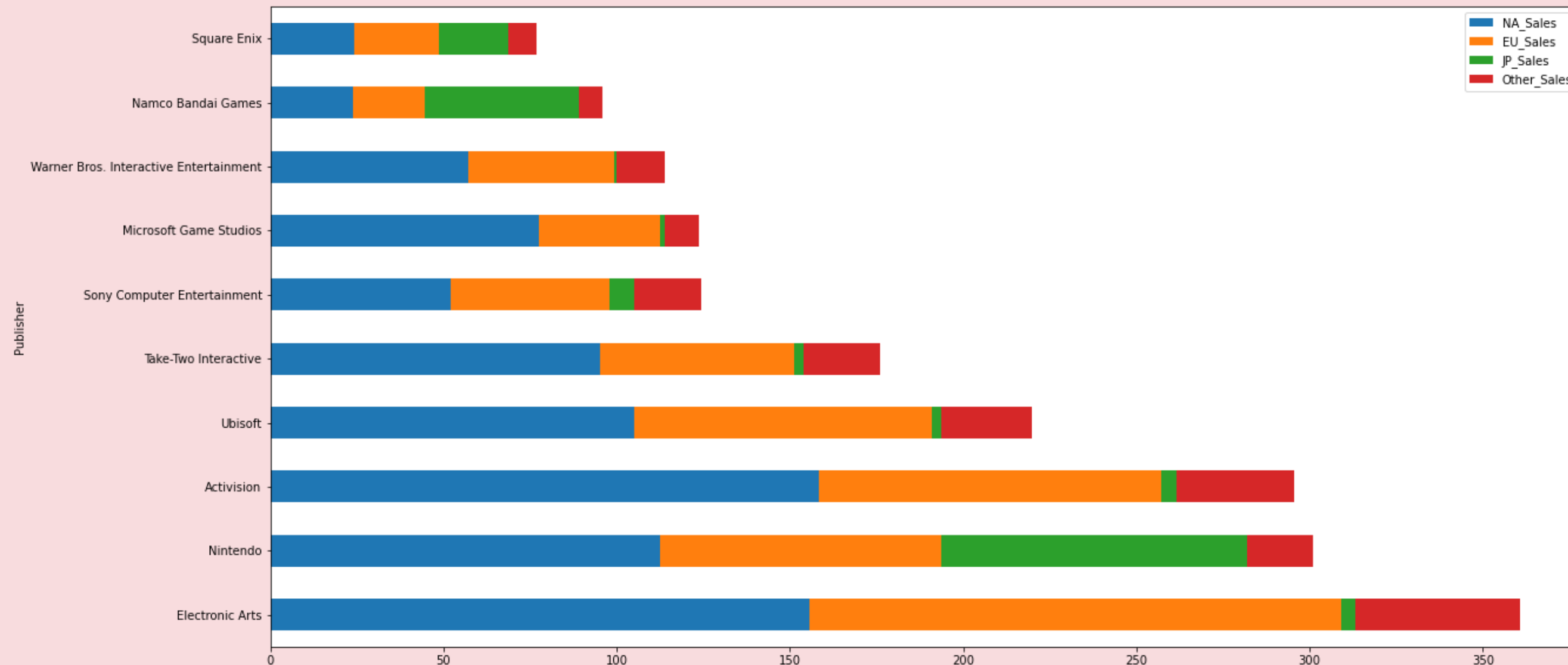
Other_Sales-Sales in the rest of the world

Game of the Year (2010-2016)

Here I group the "Year" column by "Global_Sales", and through transform I find the maximum Global_Sale

Year	Name	Platform	Genre	Publisher	NA_Sales	EU_Sales	JP_Sales	Other_Sales	Global_Sales
2010.0	Kinect Adventures!	X360	Misc	Microsoft Game Studios	14.97	4.94	0.24	1.67	21.82
2011.0	Call of Duty: Modern Warfare 3	X360	Shooter	Activision	9.03	4.28	0.13	1.32	14.76
2012.0	Call of Duty: Black Ops II	PS3	Shooter	Activision	4.99	5.88	0.65	2.52	14.03
2013.0	Grand Theft Auto V	PS3	Action	Take-Two Interactive	7.01	9.27	0.97	4.14	21.40
2014.0	Grand Theft Auto V	PS4	Action	Take-Two Interactive	3.80	5.81	0.36	2.02	11.98
2015.0	Call of Duty: Black Ops 3	PS4	Shooter	Activision	5.77	5.81	0.35	2.31	14.24
2016.0	FIFA 17	PS4	Sports	Electronic Arts	0.28	3.75	0.06	0.69	4.77

Own Analysis



Grouping Games by its Publisher and Region Sales

Firstly, I grouped by Publisher and took the total sum, after sorted them by "Global_Sales"

Thanks for Attention!