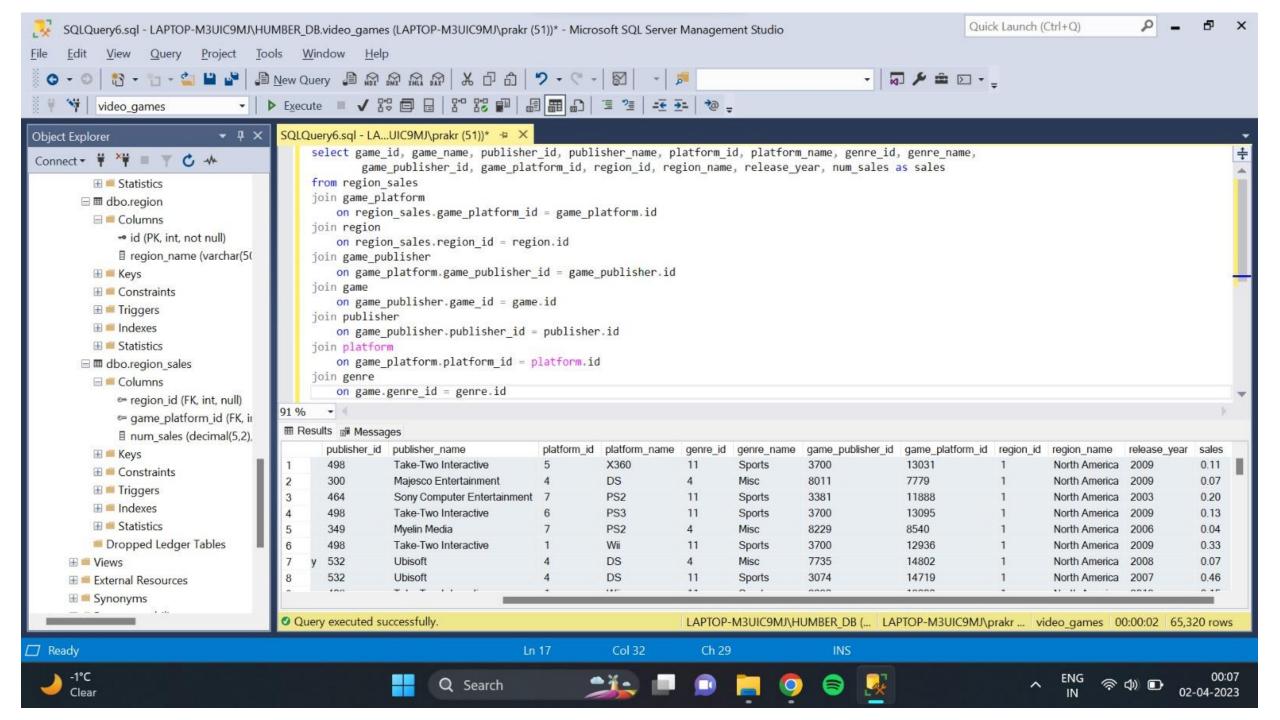
# SQL FINAL PROJECT

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Inge Angelia
Prakrit Kapoor
Renzo Moromisato
Rodney Edward
Thomas Chong

## DATASET



## MACROENVIRONMENT ANALYSIS









SUNY

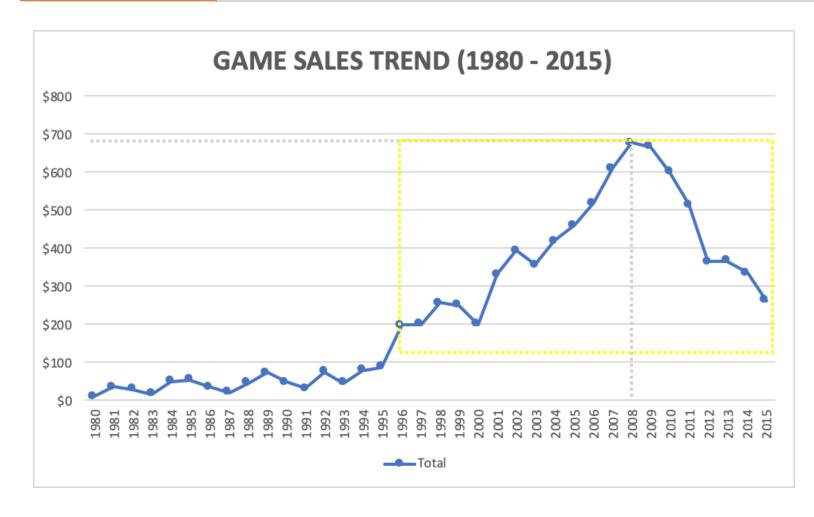








## TREND

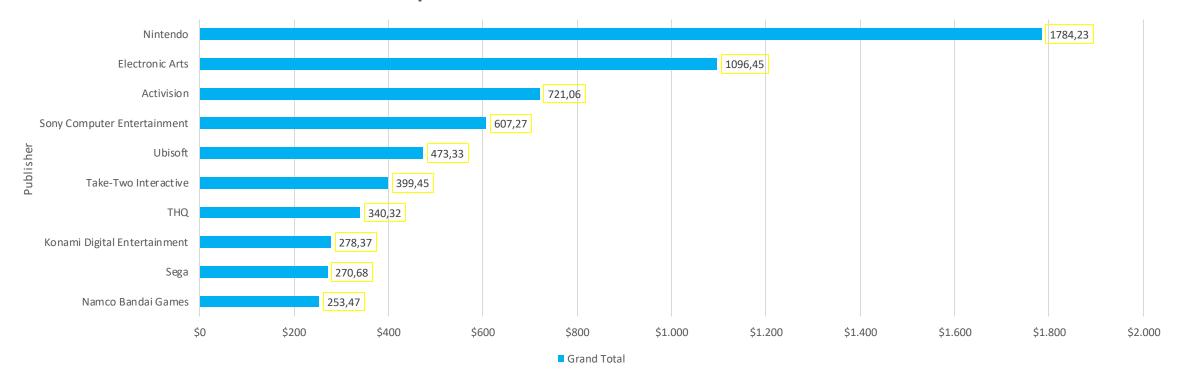


- Game sales trend constantly increasing from 1980 –
   2008
- Peak of sales in 2008 2009 with sales amount nearly
   \$700mio per year
- Grand total sales from 1980
  2015 is approximately
  \$8,747mio, with the
  \$8,000mio (91%) itself was achieved from 1996 2015

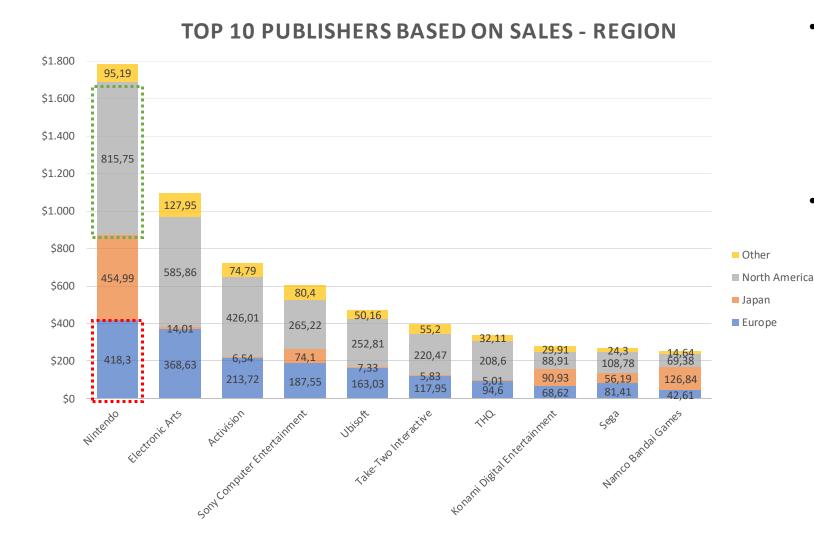
## THE BIG PLAYERS

Top 10 game publishers contribute \$6,224mio in sales, roughly 71.1% of all-time total sales

#### **Top 10 Publishers - Grand Total of Sales**



## THE BIG PLAYERS — SALES BY REGION



- Nintendo leads the sales in almost all regions VS other Top 10 publishers; except for "Other" region where Electronic Arts sells more
- Nintendo sales mainly come from the North America region, followed by Japan, Europe and Other

Since "Other" region sales is significantly small, we will compare Nintendo's sales vs competitors:

Strongest : North America

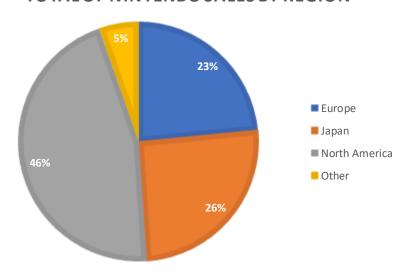
Weakest : Europe

## NINTENDO ANALYSIS

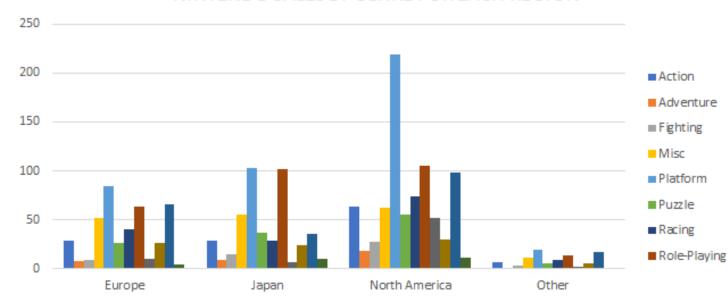


## NINTENDO SALES LANDSCAPE

#### TOTAL OF NINTENDO SALES BY REGION



#### NINTENDO SALES BY GENRE FOR EACH REGION



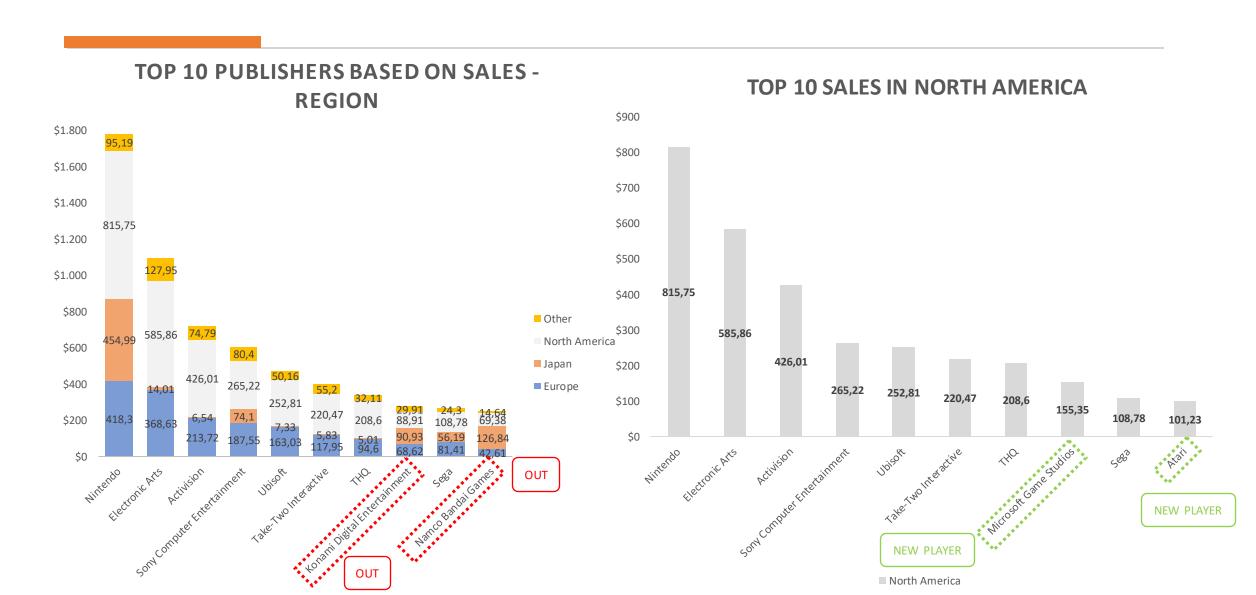
Nintendo's most popular genre by far are platform games, while adventure and strategy are the least popular.

**Racing games** are particularly **popular in North America** compared to other regions, notably Japan.

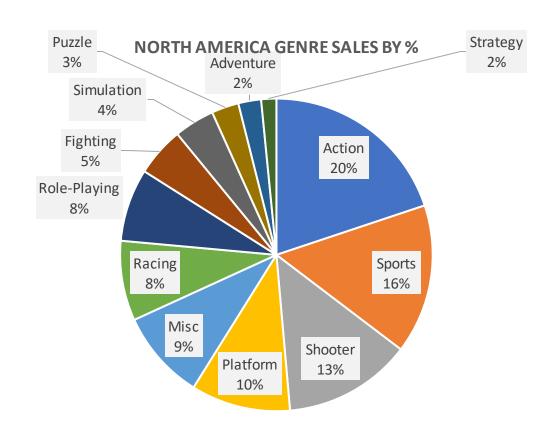
## NORTH AMERICA

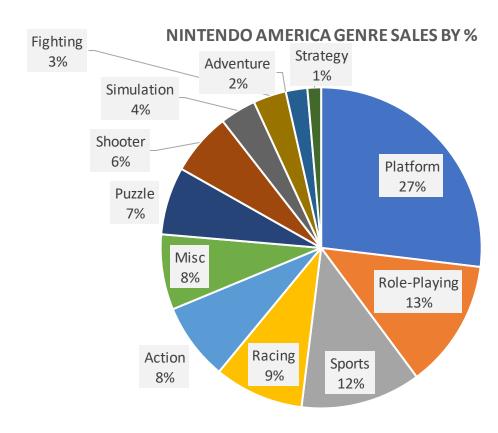


### NINTENDO NORTH AMERICA VS COMPETITORS



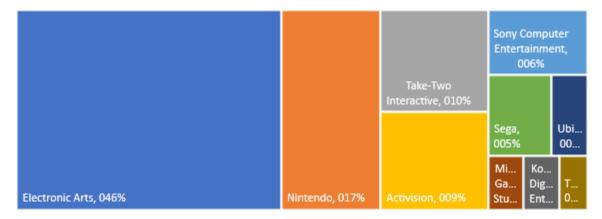
## NORTH AMERICA GENRE SALES VS NINTENDO



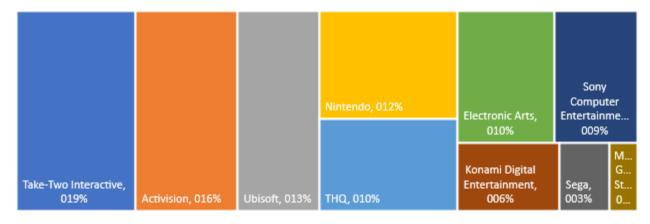


### TOP 3 GENRE MARKET SHARE VS COMPETITORS

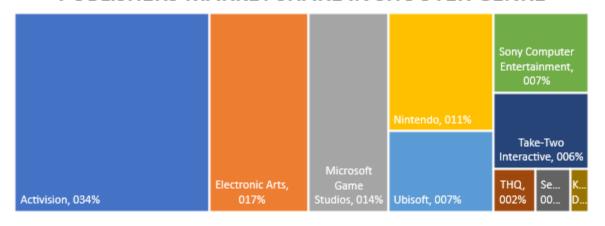
#### PUBLISHERS MARKET SHARE IN SPORTS GENRE



#### PUBLISHERS MARKET SHARE IN ACTION GENRE



#### PUBLISHERS MARKET SHARE IN SHOOTER GENRE



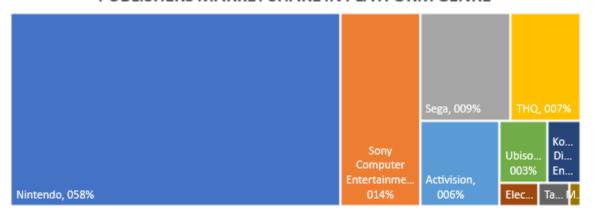
Nintendo's Market Share in Top 3 Genre in North America: Sports: Second (3rd sales contributor / 12% for Nintendo)

Action: Fourth (5th sales contributor / 8% for Nintendo)

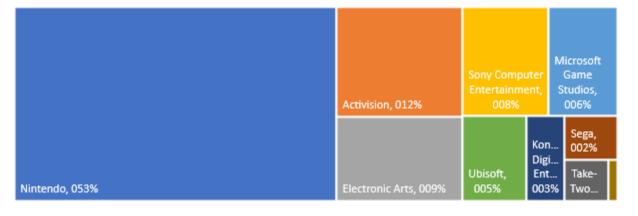
Shooter: Fourth (8th sales contributor / 6% for Nintendo)

# NINTENDO'S TOP 3 GENRE SALES VS COMPETITORS MARKET SHARE

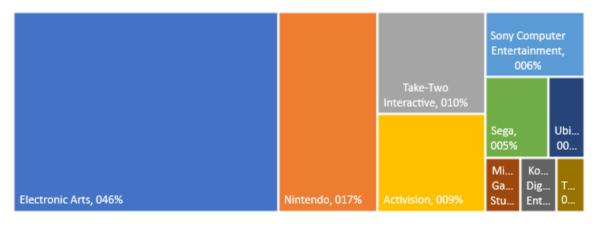
#### PUBLISHERS MARKET SHARE IN PLATFORM GENRE



#### PUBLISHERS MARKET SHARE IN ROLE-PLAYING GENRE



#### PUBLISHERS MARKET SHARE IN SPORTS GENRE



Nintendo's Market Share in their Top 3 Genre Sales
Platform: First (4th sales contributor / 10% for NA market)
Role-Playing: First (7th sales contributor / 8% for NA market)
Sports: Second (2nd sales contributor / 16% for NA market)

## SUGGESTIONS FOR NORTH AMERICA MARKET

Develop more games into these genres to increase from their current market share:

• Sports: 17.4%

• Action: 12.03%

• Shooter: 10.97%



These 3 genres make 50% of the total market share

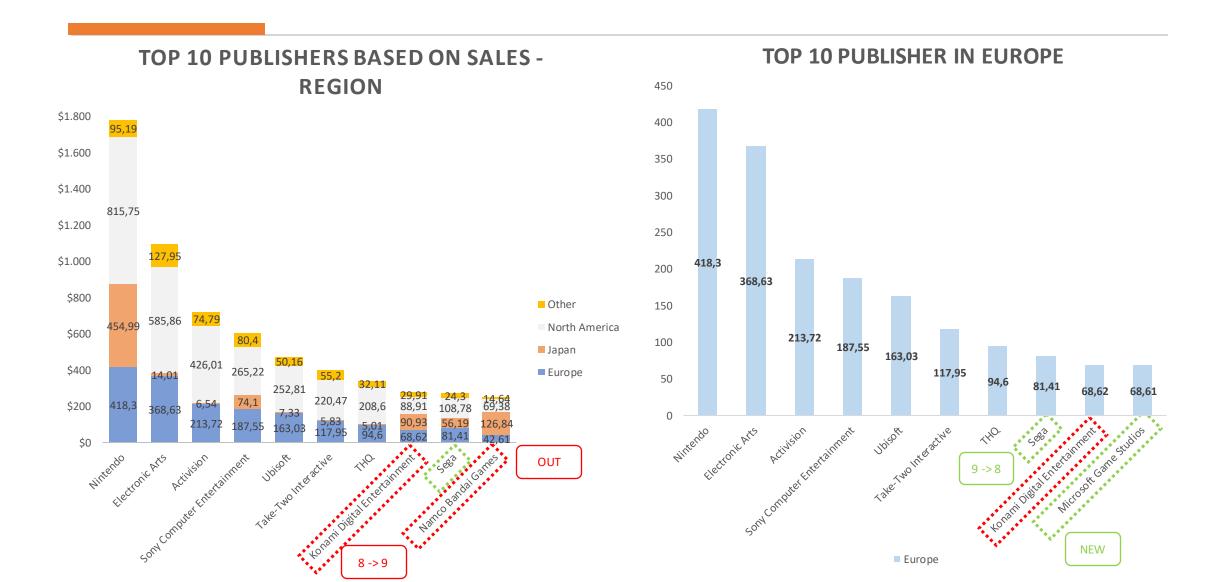
Sports genre also contributes as the <u>second largest sales</u> for Nintendo's NA market, however they are far-left behind compared to Electronic Arts (46.42% vs 17.4%)



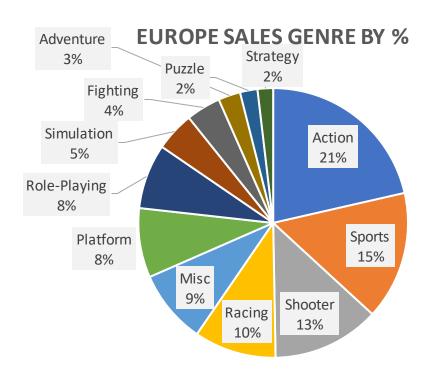
## EUROPE

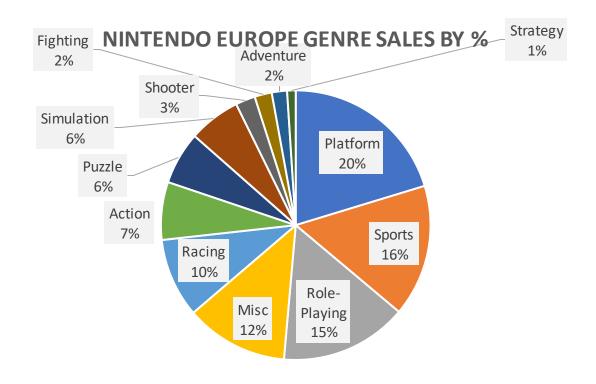


## NINTENDO EUROPE VS COMPETITORS



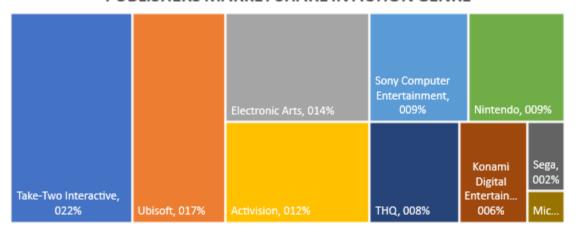
## EUROPE GENRE SALES VS NINTENDO



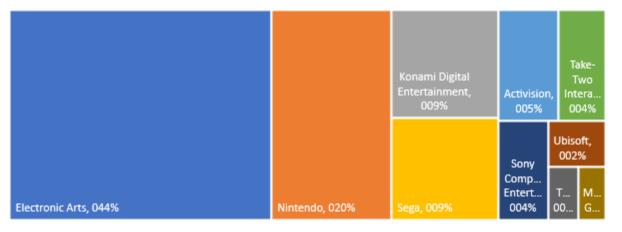


### TOP 3 GENRE MARKET SHARE VS COMPETITORS

#### PUBLISHERS MARKET SHARE IN ACTION GENRE



#### PUBLISHERS MARKET SHARE IN SPORTS GENRE



#### PUBLISHERS MARKET SHARE IN SHOOTER GENRE

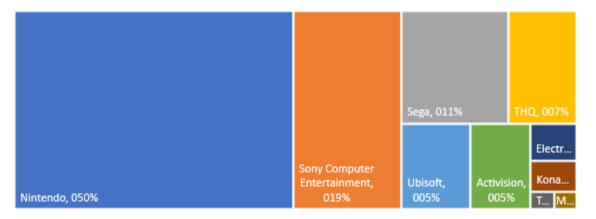


Nintendo's Market Share in Top 3 Genre in Europe:

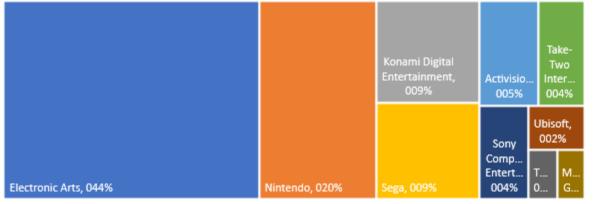
Action: Seventh (6th sales contributor / 7% for Nintendo)
Sports: Second (2nd sales contributor / 16% for Nintendo)
Shooter: Seventh (9th sales contributor / 3% for Nintendo)

# NINTENDO'S TOP 3 GENRE SALES VS COMPETITOR MARKET SHARE

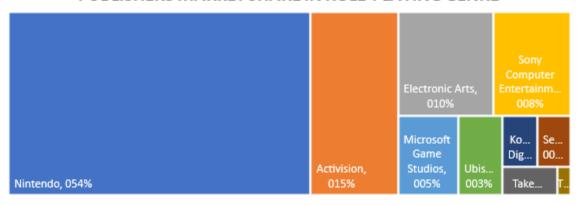
#### PUBLISHERS MARKET SHARE IN PLATFORM GENRE



#### PUBLISHERS MARKET SHARE IN SPORTS GENRE



#### PUBLISHERS MARKET SHARE IN ROLE-PLAYING GENRE



Nintendo's Market Share in their Top 3 Genre Sales Platform: First (6th sales contributor / 8% for EU market) Sports: Second (2nd sales contributor / 15% for EU market) Role-Playing: First (7th sales contributor / 8% for EU market)

## SUGGESTIONS FOR EUROPE MARKET

Nintendo needs to develop more games that are relevant to the Europe market. Although their sales are still the highest in Europe compared to other publishers, they have very low market-share for genres that are generating sales in the Europe market:

Action : Seventh – 9.03%

• Sports : Second – 20.17%

Shooter: Seventh - 3.83%



These 3 genres make 50% of the total market share



### CONCLUSION

- Nintendo to this day is still the market leader in video game industry, especially in platform and RPG games.
- However, the market is changing their preferences to spots, action and shooters games.
- If Nintendo wants to maintain their market leader status, they need to adapt to the new trends and venture on new genres that are more popular.

#### **Strongest region: North America**

Most popular genres

• Sports : 20%

• Action : 16%

• Shooter : 13%

#### Weakest region: Europe

Most popular genres

• Action : 21%

• Sports : 15%

• Shooter : 13%

```
mirror object to mirror
mirror_object
peration == "MIRROR_X":
eirror_mod.use_x = True
irror_mod.use_y = False
irror_mod.use_z = False
 _operation == "MIRROR_Y"
irror_mod.use_x = False
lrror_mod.use_z = False
 operation == "MIRROR_Z"
 __mod.use_x = False
 lrror_mod.use_y = False
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 melection at the end -add
  ob.select= 1
  er ob.select=1
  ntext.scene.objects.action
  "Selected" + str(modified
  irror ob.select = 0
  bpy.context.selected_obje
  ata.objects[one.name].se
 int("please select exaction
  OPERATOR CLASSES ----
   vpes.Operator):
    X mirror to the selected
  ject.mirror_mirror_x"
 ext.active_object is not
```

## SQL QUERY SCREENSHOTS

