

# INFORMATION PROCESSING & RETRIEVAL

### **STEAM GAMES**

G42 2023/2024

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### Data Collection PRI 23/24









steam\_data



Missing Information

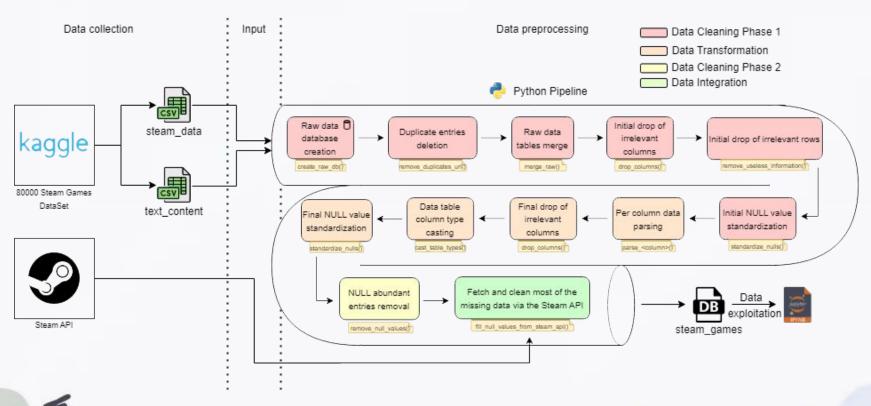
## Initial Data Characterization PRI 23/24

Attribute	Type	Null Count	Null Percentage
publisher	Text	76190	94.19
pegi	Text	70373	87.00
pegi_url	Text	66098	81.71
desc	Text	31597	39.06
categories	Text	6822	8.43
price	Text	6323	7.82
requirements	Text	6222	7.69
popu_tags	Text	5764	7.13
date	Text	5636	6.97
developer	Text	5547	6.86
all_reviews	Text	5145	6.36
name	Text	5137	6.35
img_url	Text	5134	6.35
user_reviews	Text	5132	6.34
full_desc	Text	1812	2.24
url	Text	0	0.00

Total Entries: ~ 81000



## Pri 23/24



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### **Final Data Characterization**

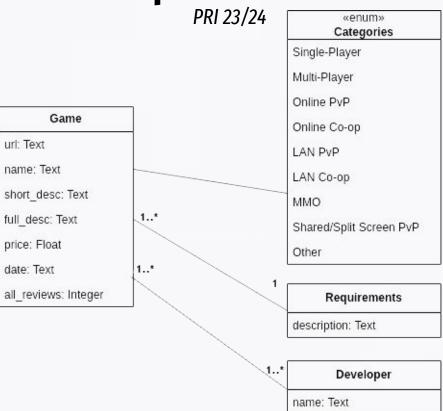
PRI 23/24

Attribute	Type	Null Values	Null Percentage (%)
all_reviews	Integer	6532	13.54
price	Float	677	1.40
developer	Text	82	0.17
desc	Text	65	0.13
requirements	Text	42	0.09
date	Text	41	0.09
full_desc	Text	29	0.06
url	Text	0	0.00
categories	Text	0	0.00
name	Text	0	0.00

Total Entries: ~ 48219

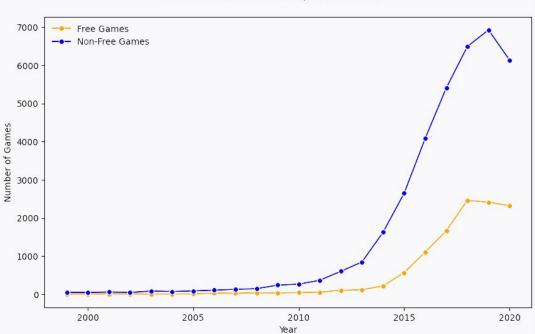
777

### **Conceptual Data Model**

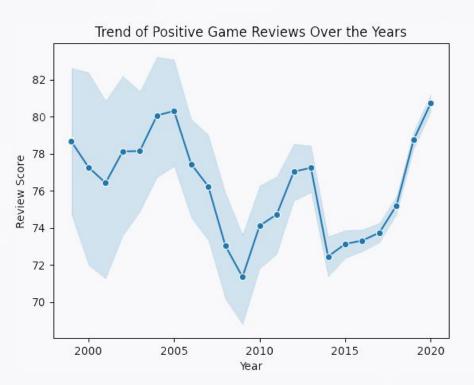


## Data Exploration PRI 23/24

Games Releases Over Time, 1999 to 2020

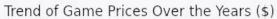


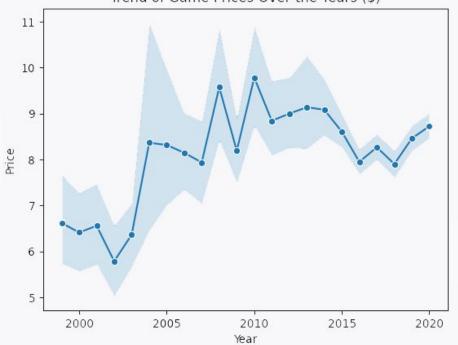
## **Data Exploration**PRI 23/24





## Data Exploration PRI 23/24









### **Data Characterization**

PRI 23/24



Wordcloud - 'full\_desc'





### **Information Needs**

PRI 23/24

- Single-Player Games released in the last decade with an underwater setting;
- Highest Rated Games with futuristic landscapes and advanced technology;
- Least Expensive First Person Shooter in a post apocalyptic setting;
- 2D platform game where the main character is an animal;
- Developers with the most Single-Player games in the last decade;
- Best Free Fishing Games