



# INFORMATION PROCESSING & RETRIEVAL

STEAM GAMES

G42 2023/2024

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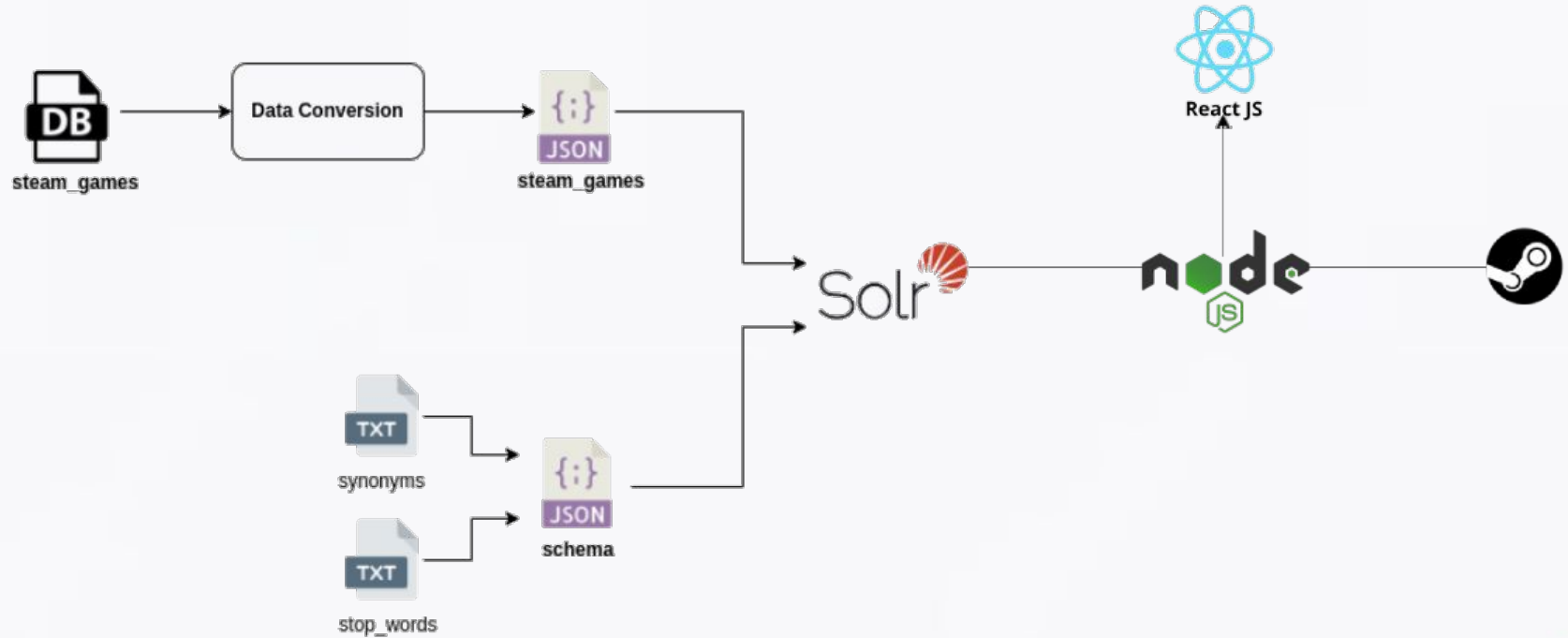
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# Collection

PRI 23/24



# Document Definition

PRI 23/24

```
"name": "Among Us",  
"categories": ["Multi-player", "Online PvP", "Online Co-op", "LAN PvP", "LAN Co-op"],  
"all_reviews": 95,  
"date": "2018-11-16T00:00:00Z",  
"developer": "Innersloth",  
"price": "4.99, USD",  
"desc": "An online and local party game of teamwork and betrayal for 4-10 players...in space!",  
"full_desc": "Play with 4-10 player online or via local WiFi as you attempt to prepare your space",  
"id": "1",  
"price___s_ns": "USD",  
"_version_": 1782747728927784960,  
"price___l_ns": 499,  
"url": "https://store.steampowered.com/app/945360/Among_Us/?snr=1_7_7_230_150_1"
```

# Information Needs

*PRI 23/24*

Information Needs...



Single-player games with an underwater setting released in the last decade...



Historical games where the player can command an army...

2D platform game where the main character is an animal...

Highest-rated open-world RPGs set in fantasy realms...

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# Underwater Setting Game

PRI 23/24

## enhanced

("water setting"~3)^2  
or ("underwater setting"~2)^4

**q.op:** and

**fq:** categories: single-player  
date:[NOW/DAY-3653DAYS TO NOW]

**qf:** full\_desc & desc

**bq:** None

**bf:** None

## semantic search

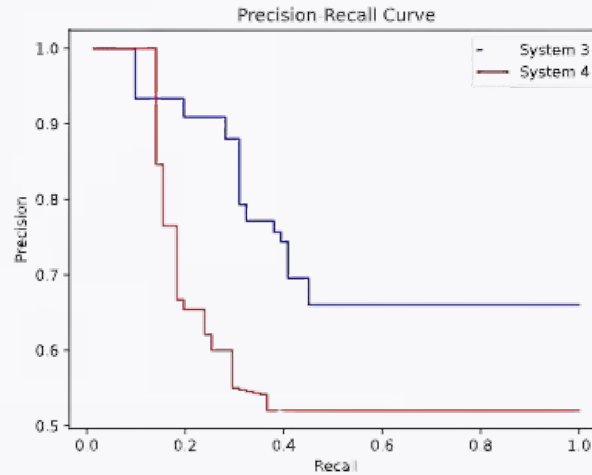
underwater setting

**q.op:** and

**fq:** categories: single-player  
date:[NOW/DAY-3653DAYS TO NOW]

# Underwater Setting Game

PRI 23/24



Metric	System 3	System 4
Average Precision	0.851151	0.773248
Precision at 10 (P@10)	0.900000	1.000000
Individual Assessment	RRRRRRRNRR	RRRRRRRRRR

# Historical Game with an Army

PRI 23/24

## enhanced

(historical)^2 and (command  
army)^2

**q.op:** and

**fq:** None

**qf:** full\_desc & desc

**bq:** None

**bf:** linear(all\_reviews,0,100)^1.5

## semantic search

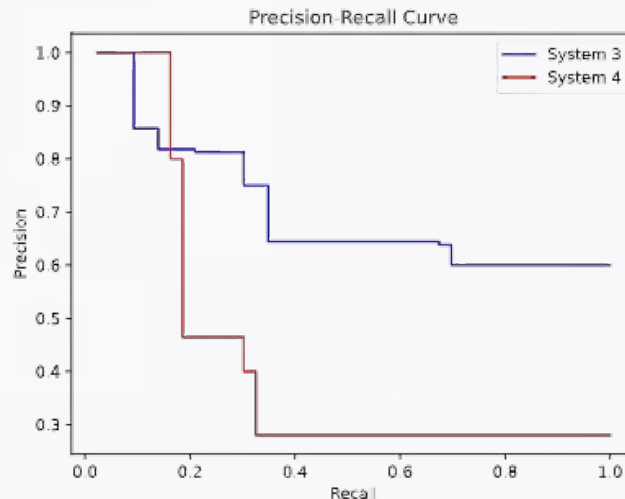
historical game where you  
command an army

**q.op:** and

**fq:** None

# Historical Game with an Army

PRI 23/24



Metric	System 3	System 4
Average Precision	0.725188	0.739764
Precision at 10 (P@10)	0.800000	0.800000
Individual Assessment	RRRRNRRNRR	RRRRRRRNRR



# Platform Game controlling an Animal

PRI 23/24

## enhanced

"2D platform\*"~2 ("play as animal"~3^2 or "play with animal"~3^2 or "control animal"~3^2)

**q.op:** and

**fq:** None

**qf:** full\_desc & desc

**bq:** None

**bf:** None

## semantic search

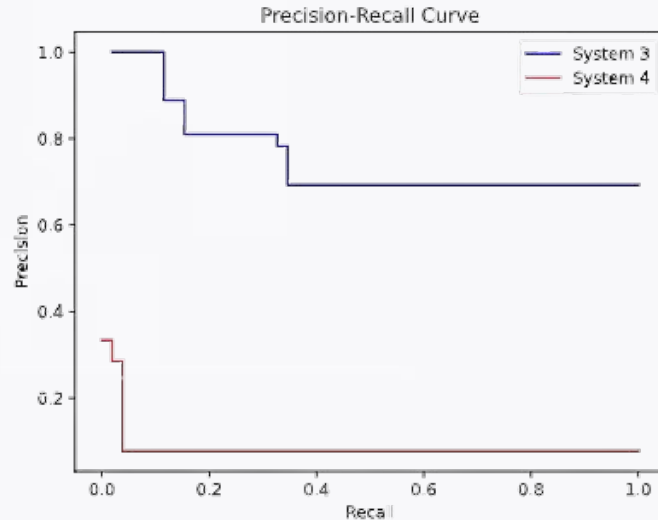
platform game where you play as an anima

**q.op:** and

**fq:** None

# Platform Game controlling an Animal

PRI 23/24



Metric	System 3	System 4
Average Precision	0.864219	0.309524
Precision at 10 (P@10)	0.800000	0.200000
Individual Assessment	RRRRRRNRRN	NNRNNNRNNN

# Open World RPG Game with a Fantasy Setting

PRI 23/24

## enhanced

"open world"~2^2 "RPG"^3  
"fantasy realms"~2^2

**q.op:** and

**fq:** None

**qf:** full\_desc & desc

**bq:** None

**bf:** product(if(exists(query(!v='name:  
"RPG")),2,1),exp(product(all\_reviews,0.03)))

## semantic search

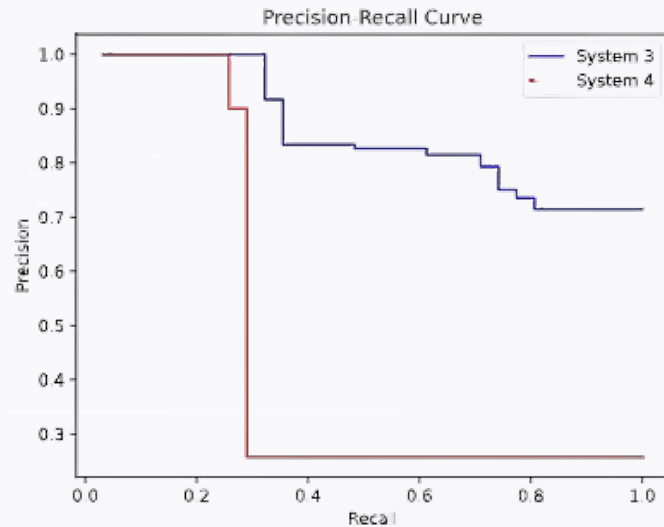
open world RPG with fantasy  
realms

**q.op:** and

**fq:** None

# Open World RPG Game with a Fantasy Setting

PRI 23/24



Metric	System 3	System 4
Average Precision	0.885226	0.988889
Precision at 10 (P@10)	1.000000	0.900000
Individual Assessment	RRRRRRRRRR	RRRRRRRRNR

# General Results

*PRI 23/24*

## interpretation

Metric	System 3	System 4
Mean Average Precision	0.831446	0.7028656