

Recomendaciones de Videojuegos: Comparación de Modelos

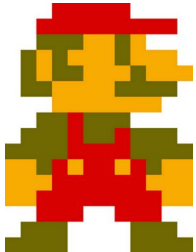


Laboratorio de Datos 1C2022

Grupo 15

Integrantes:

- Manuel Horn
- Martín Acuña
- Facundo Solar
- Ignacio Rodriguez Sañudo



IDEA



Sistemas de recomendación basados en las reseñas de usuarios

Preguntas disparadoras:

¿Nos servirá analizar reseñas para recomendarle el juego a un amigo?

¿Cuánta información me puede proveer analizar opiniones ajenas cuando busco elegir una recomendación?

¿Podemos construir un modelo que funcione ante nuevos comentarios fuera del dataset?

Sobre el Dataset



Title	Year	Publisher	Genre	Platform	Metascore	Avg_Userscore	No_Players
The Legend of Zelda: Ocarina of Time	1998	Nintendo	Action Adventure;Fantasy	Nintendo64	99	9.1	1 Player
Tony Hawk's Pro Skater 2	2000	NeversoftEntertainment	Sports;Alternative;Skateboarding	PlayStation	98	7.4	Multiplayer
Grand Theft Auto IV	2008	RockstarNorth	Action Adventure;Modern;Modern;Open-World	PlayStation3	98	7.5	1 Player
SoulCalibur	1999	Namco	Action;Fighting;3D	Dreamcast	98	8.6	Multiplayer
Grand Theft Auto IV	2008	RockstarNorth	Action Adventure;Modern;Modern;Open-World	Xbox360	98	7.9	1 Player

Title	Platform	Userscore	Comment	Username
The Legend of Zelda: Ocarina of Time	Nintendo64	10	Everything in OoT is so near at perfection, it...	SirCaestus
The Legend of Zelda: Ocarina of Time	Nintendo64	10	I won't bore you with what everyone is already...	Kaistlin
The Legend of Zelda: Ocarina of Time	Nintendo64	10	Anyone who gives the masterpiece below a 7 or ...	Jacody
The Legend of Zelda: Ocarina of Time	Nintendo64	10	I'm one of those people who think that this is...	doodlerman
The Legend of Zelda: Ocarina of Time	Nintendo64	10	This game is the highest rated game on Metacr...	StevenA

Reseñas



“Everything in OoT is so near at perfection, it’s really no wonder that this game has such a huge fanbase and is so highly rated among players and critics.”

“Fantastic atmosphere, great graphics that stands the test of time, great storyline, intelligent puzzles and a lot of action make Half-Life 2 one of the best FPS games ever. I liked the classic first part too but this is the one that really made me a fan.”

“Best need for speed game i have ever played”

“I want my money back....Took everything we loved in diablo 2 and flushed it down the toilet....Really blizzard.. Everyone; the game is no where near worth it.”

“Weak campaign which is very boring. But the multiplayer makes up with the realistic war with huge maps but still fastish pace with the vehicles overall”

“EA selling same game from year to year, only slightly improving graphics and changes interface. Same scripts, same mechanics, same bugs. If you bought fifa 14 and you didn't liked, then don't buy this game, it's not much different.”

“Ubisoft disappointing us as always. It's just a bad GTA copy but with hackers and full of bugs”

Modelo LSA

Por Título



Title
● Plants vs. Zombies
Dead Rising
Zombie Night Terror
Left 4 Dead
Defense Grid: The Awakening



Title	Genre
● Jeanne d'Arc	Strategy;Turn-Based;Historic;Historic;Tactics
Final Fantasy Tactics: The War of the Lions	Strategy;Turn-Based;Fantasy;Fantasy;Tactics
Tactics Ogre: Let Us Cling Together	Strategy;Turn-Based;Fantasy;Fantasy;Tactics
Final Fantasy Tactics	Strategy;Turn-Based;Fantasy
Tactics Ogre: The Knight of Lodis	Strategy;Turn-Based;Fantasy

Clustering por términos

driving ●
drive
car
steering
wheel
driver
cars
handling
handbrake
automotive

sin saga

saga extensa

Title
● The Legend of Zelda: Ocarina of Time
The Legend of Zelda: Twilight Princess
The Legend of Zelda: The Wind Waker
The Legend of Zelda Collector's Edition
The Legend of Zelda: Ocarina of Time / Master ...



Modelo LSA

Por Comentario

Halo 5: Guardians

Saga extensa



Title

NCAA March Madness 2004

ESPN College Hoops 2K5

ESPN College Hoops

Rocket League

College Hoops 2K8

Palabras clave:

"Basketball league
three Jordan clutch
ball Lakers"

Title

X-Men Legends II: Rise of
Apocalypse

Aliens Versus Predator 2

Marvel: Ultimate Alliance

Amnesia: The Dark Descent

MDK2

Simulado:

"This game scared me
a lot, some
characters were
terrifying."

Reseña real
externa:

"The narrative is
suitably epic and
grandstanding and
makes a bold
decision with a
long-standing
character but takes
itself far too
seriously. Which,
for a game about
purple aliens,
planet destroying
super weapons and
bionic soldiers,
seems a little
off-key."

[Tom Hoggins](#)
[Telegraph](#)

Title

Bionic Commando Rearmed

Aliens Versus Predator 2

Alien: Isolation

Dark Age of Camelot: Catacombs

Tom Clancy's Ghost Recon:
Desert Siege

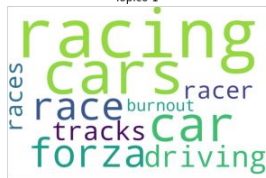
Recomendación
por tópico

Tópicos

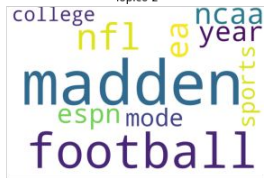
Tópico 0



Tópico 1



Tópico 2



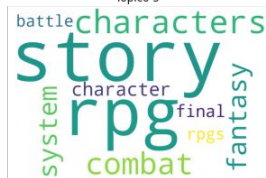
Tópico 3



Tópico 4



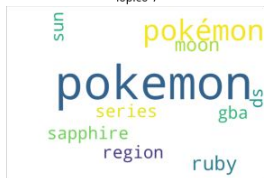
Tópico 5



Tópico 6



Tópico 7



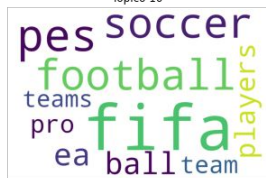
Tópico 8



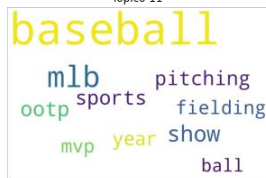
Tópico 9



Tópico 10



Tópico 11



Tópico 12



Tópico 13



Tópico 14



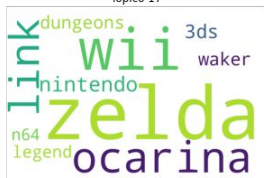
Tópico 15



Tópico 16



Tópico 17



Tópico 18



Tópico 19



Esta recomendación siempre es buena?

“EA giving us the same game every year. I will never buy a fifa again”

Title	Year	Publisher	Genre	Platform
FIFA 18	2017	EAVancouver	Sports;Team;Soccer;Sim	PlayStation4
FIFA 15	2014	EASports	Sports;Traditional;Team;Soccer;Sim	XboxOne
FIFA 14	2013	EACanada	Sim;Sports;Traditional;Team;Soccer;Sim	XboxOne
FIFA Soccer 13	2012	ElectronicArts	Sports;Traditional;Team;Soccer;Sim;Sim	Xbox360
FIFA 16	2015	EASports	Sports;Team;Soccer;Sim	XboxOne

Bread



\$10

Br**EA**d



Positividad/Negatividad en comentarios



Buena review: Recomendamos

"Fantastic atmosphere, great graphics that stands the test of time, great storyline, intelligent puzzles..."

POS: 0.992, NEU: 0.007, NEG: 0.001

Mala review: No recomendamos

"Ubisoft disappointing us as always. It's just a bad GTA copy but with hackers and full of bugs"

NEG: 0.985, NEU: 0.009, POS: 0.006

Sentiment Analysis

Alegría

Madden NFL 2002	GameCube
Tony Hawk's Pro Skater 2	PC
Tony Hawk's Pro Skater 3	PC

Miedo

Eternal Darkness: Sanity's Requiem	GameCube
Diablo	PC
Resident Evil 4	PlayStation2

TOP JUEGOS POR EMOCIÓN

Disgusto

Call of Duty: Modern Warfare 2	PC
Mass Effect 3	PC
Gears of War	PC

Enojo

NFL 2K3	PlayStation2
Tom Clancy's Splinter Cell Chaos Theory	GameCube
Tony Hawk's Pro Skater 3	Xbox

Idea para agregar diversidad a las recomendaciones

Usar el sentiment analysis que obtuvimos como medida de similaridad con Nearest Neighbors.

"Everything in this game is dark and scary. I remember playing this as a kid and being terrified"

	Title	Platform	Genre
19	Eternal Darkness: Sanity's Requiem	GameCube	Action Adventure;Horror
83	Resident Evil 4	GameCube	Action Adventure;Horror
15	Devil May Cry	PlayStation2	Action Adventure;Fantasy
108	System Shock 2	PC	Action Adventure;Sci-Fi;Sci-Fi;Survival
16	Diablo	PC	Role-Playing;Action RPG;Action RPG
4	BioShock	Xbox360	Action;Shooter;Shooter;First-Person;Sci-Fi;Sci...
114	The Last of Us	PlayStation3	Modern;Adventure;General;Action Adventure;Gene...
115	The Last of Us Remastered	PlayStation4	Action Adventure;General;Modern
65	Minecraft	PC	Action Adventure;Adventure;3D;Sandbox;First-Pe...
6	Bloodborne	PlayStation4	Fantasy;Role-Playing;Action Adventure;General;...

Emociones + Tópicos

Recomendaciones con LSA

Title	Year	Publisher
The Legend of Zelda: Ocarina of Time	1998	Nintendo
The Legend of Zelda: Majora's Mask	2000	Nintendo
The Legend of Zelda: Breath of the Wild	2017	Nintendo
The Legend of Zelda: Majora's Mask 3D	2015	GREZZO
The Legend of Zelda Collector's Edition	2003	Nintendo

Title	Platform
Grim Fandango	PC
Okami	PlayStation2
The Legend of Zelda: Ocarina of Time	Nintendo64
Castlevania: Symphony of the Night	PlayStation
The Legend of Zelda: Breath of the Wild	Switch

LSA

Title	Year	Publisher
Grim Fandango	1998	LucasArts
Grim Fandango Remastered	2015	DoubleFineProductions
Full Throttle	1995	LucasArts
The Curse of Monkey Island	1997	LucasArts

Title	Year	Publisher
Okami	2006	CloverStudio
Okami HD	2017	Capcom
Okamiden	2011	Capcom
Valkyrie Profile 2: Silmeria	2006	Tri-Ace



Gracias por su atención

¿Preguntas?

