W1D4 - Pratica

Data analyst course



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TRACCIA

L'esercizio è mirato a prendere confidenza con il concetto di dato e informazione.

Scegli un argomento di tuo interesse.

Riporta su un documento testuale quali informazioni ti piacerebbe derivare cercando su internet i potenziali dataset strutturati e non strutturati (almeno 3 del primo tipo, 2 del secondo) utilizzabili.

Per ogni dataset strutturato individua gli attributi e l'identificativo; per ogni dataset non strutturato descrivi le analisi che svolgeresti su di esso e l'obiettivo di queste analisi.

PREMESSA DI SVOLGIMENTO

Lo scenario preso in analisi fa riferimento ad un azienda produttrice di videogiochi che è desiderosa di analizzare l'evoluzione del mondo video ludico nel corso degli anni con l'obiettivo di scovare ed evidenziare gli aspetti più significativi degli ultimi tempi.

Chiaramente lo scopo finale di questa operazione sarebbe quello d'incrementare lo sviluppo con prospettiva di crescita di fatturato sulla base dell'individuazione degli interessi concretizzati dei video giocatori, individuando le categorie più in voga e con prospettiva futura, tasselli ed elementi che hanno colpito particolarmente gli utenti in determinati videogiochi e alti fattori da individuare in fase di analisi.

1 Dataset strutturato

https://docs.google.com/spreadsheets/d/1Mlg0hs2vGld-frFrho6Gu8IDOpPai4sL/edit?usp=sharing&ouid=107516110196658707435&rtpof=true&sd=true

	Title	Release Date	Team	Rating	Times Listed	Number of Reviews	Genres
0	Elden Ring	feb 25, 2022	['Bandai Namco Entertainment', 'FromSoftware']	4.5	3.9K	3.9K	['Adventure', 'RPG']
1	Hades	Dec 10, 2019	['Supergiant Games']	4.3	2.9K	2.9K	['Adventure', 'Brawler', 'Indie', 'RPG']
2	The Legend of Zelda: Breath of the Wild	mar 03, 2017	['Nintendo', 'Nintendo EPD Production Group No. 3']	4.4	4.3K	4.3K	['Adventure', 'RPG']
3	Undertale	Sep 15, 2015	['tobyfox', '8-4']	4.2	3.5K	3.5K	['Adventure', 'Indie', 'RPG', 'Turn Based Strategy']
4	Hollow Knight	feb 24, 2017	['Team Cherry']	4.4	3K	3K	['Adventure', 'Indie', 'Platform']
5	Minecraft	nov 18, 2011	['Mojang Studios']	4.3	2.3K	2.3K	['Adventure', 'Simulator']
6	Omori	Dec 25, 2020	['OMOCAT', 'PLAYISM']	4.2	1.6K	1.6K	['Adventure', 'Indie', 'RPG', 'Turn Based Strategy']
7	Metroid Dread	Oct 07, 2021	['Nintendo', 'MercurySteam']	4.3	2.1K	2.1K	['Adventure', 'Platform']
8	Among Us	Jun 15, 2018	['InnerSloth']	3.0	867	867	['Indie', 'Strategy']
9	NieR: Automata	feb 23, 2017	['PlatinumGames', 'Square Enix']	4.3	2.9K	2.9K	['Brawler', 'RPG']
10	Persona 5 Royal	Oct 31, 2019	['Atlus USA', 'Atlus']	4.4	2.7K	2.7K	['Adventure', 'RPG', 'Turn Based Strategy']
11	Stray	Jul 19, 2022	['BlueTwelve Studio', 'Annapurna Interactive']	3.7	1.5K	1.5K	['Adventure', 'Indie']
12	God of War	apr 20, 2018	['Sony Interactive Entertainment', 'SIE Santa Monica Studio']	4.2	2.9K	2.9K	['Adventure', 'Brawler', 'RPG']
13	Portal 2	apr 18, 2011	['Valve', 'Electronic Arts']	4.4	2.9K	2.9K	['Adventure', 'Platform', 'Puzzle', 'Shooter']
14	Bloodborne	mar 24, 2015	['FromSoftware', 'Sony Computer Entertainment']	4.5	3.4K	3.4K	['Adventure', 'RPG']
15	Celeste	Jan 25, 2018	['Extremely OK Games', 'Maddy Makes Games']	4.2	2.8K	2.8K	['Adventure', 'Indie', 'Platform']
16	Yakuza 0	mar 12, 2015	['Ryū Ga Gotoku Studios', 'Sega']	4.4	2.7K	2.7K	['Adventure', 'Brawler', 'RPG', 'Simulator']
17	Red Dead Redemption 2	Oct 26, 2018	['Take-Two Interactive', 'Rockstar Games']	4.4	2.9K	2.9K	['Adventure', 'RPG', 'Shooter']
18	Portal	Oct 10, 2007	['Valve', 'Electronic Arts']	4.1	2K	2K	['Platform', 'Puzzle', 'Shooter']
19	Super Mario Odyssey	Oct 27, 2017	['Nintendo']	4.2	2.9K	2.9K	['Adventure', 'Platform']

Database strutturato dei dati dei videogioci dal 1998 al 2023.

Abbiamo come identificativo una key univoca e il nome del videogioco. Come attributi: data di rilascio, Team di sviluppo, valutazione, numero di recensioni e genere.

2 Dataset strutturato

RANK	GAME FRANCHISE	TOTAL MONTHLY VIEWS	FAN VIDEOS	% OF TOP 20	CHANGE
	Minecraft	2.395M	99.9%	41%	
	Grand Theft Auto	790M	99.6%	14%	
	FIFA	368M	94.1%	6%	
	League of Legend	s 260M	90.0%	4%	
	Call of Duty	237M	93,1%	4%	
	Counter-Strike	235M	99.9%	4%	
	Super Mario	216M	99,9%	4%	
	Angry Birds	210M	87.4%	4%	
	Clash of Clans	187M	82.8%	3%	
	Dota 2	141M	99.6%	2%	
	Assassin's Creed	115M	82.1%	2%	
	Battlefield	98M	94.2%	2%	
13	Super Smash Bro	S 94M	99.4%	2%	
	Team Fortress	SEM	82.5%	1%	
	Just Dance	83M	87.5%	1%	
	Far Cry	78M	97.6%	1%	
17	Mortal Combat	68M	91.0%	1%	
	Mario Kart	67M	99.9%	1%	
	World of Tanks	56M	86.7%	1%	
	The Elder Scrolls	60M	97.8%	1%	
	TOP 20 TOTAL	5.85Bn	96.6%		

Classifica in tempo reale dei giochi pù giocati e streemmati al mondo.

Abbiamo come Identificativo il nome videogioco e come attributi le views mensili degli utenti, le views di utenti abbonati e la % di volte in cui quel videogioco è nella top20 mondiale

3 Dataset strutturato

No. +	Titolo \$	Sviluppatore •	Editore •	Data di pubblicazione	Piattaforme \$	Vendite +	Fonte
1	Minecraft	Mojang AB	Mojang	18 novembre 2011	Multipiattaforma	300 000 000	[2][1]
2	Grand Theft Auto V	Rockstar North	Rockstar Games	17 settembre 2013	Multipiattaforma	185 000 000	[3]
3	Tetris	Elektronorgtechnica	Atari Games	1984	Multipiattaforma	105 000 000 ^[N 1]	[4]
4	Wii Sports	Nintendo EAD	Nintendo	2006	Wii	82 900 000	[5]
5	PlayerUnknown's Battlegrounds	PUBG Corporation	Krafton	2017	Multipiattaforma	75 000 000	[4]
6	Mario Kart 8 / Deluxe	Nintendo EAD	Nintendo	2014	Wii U, Nintendo Switch	62 250 000	[6]
7	The Elder Scrolls V: Skyrim	Bethesda Game Studios	Bethesda Softworks	2011	Multipiattaforma	60 000 000	[7]
8	Super Mario Bros.	Nintendo R&D4	Nintendo	1985	NES, Game Boy Color e Advance	58 000 000	[N 2]
9	Red Dead Redemption II	Rockstar Studios	Rockstar Games	2018	Multipiattaforma	55 000 000	[11]
10	The Witcher 3: Wild Hunt	CD Projekt RED	CD Projekt RED	2015	Multiplattaforma	50 000 000	[12]
11	Pokémon Rosso, Verde, Blu e Giallo	Game Freak	Nintendo	1996	Game Boy, Nintendo 3DS	47 520 000	[N 3]
12	Terraria	Re-Logic	Re-Logic	2011	Multipiattaforma	44 500 000	[18]
13	Pokémon Oro e Argento/Cristallo	Game Freak	Nintendo	1999	Multipiattaforma	42 210 000	[N 4]
14	Animal Crossing: New Horizons	Nintendo EPD	Nintendo	2020	Nintendo Switch	42 210 000	[6]
15	Mario Kart Wii	Nintendo EAD	Nintendo	2008	Wii	37 380 000	[21]
16	Pokémon Rubino e ZaffirolSmeraldo	Game Freak	Nintendo / The Pokémon Company	2002	Game Boy Advance	36 710 000	[N 5]
17	Wii Sports Resort	Nintendo EAD	Nintendo	2009	Wii	33 140 000	[21]
18	Super Smash Bros. Ultimate	Bandai Namco Games, Sora Ltd.	Nintendo	2018	Nintendo Switch	31 090 000	-
19	Call of Duty: Modern Warfare (2019)	Infinity Ward	Activision Blizzard	2019	Multipiattaforma	31 000 000	-
20	Call of Duty: Black Ops	Treyarch	Activision Blizzard	2010	Multipiattaforma	30 990 000	[25]
21	Call of Duty: Modern Warfare 3	Infinity Ward/Sledgehammer Games	Activision Blizzard	2011	Multipiattaforma	30 970 000	[25]
22	New Super Mario Bros.	Nintendo EAD	Nintendo	2006	Nintendo DS	30 800 000	[26]

Wikipedia fa una panoramica dei videogiochi più giocati negli ultimi anni

Abbiamo come Identificativo il nome videogioco e come attributi gli sviluppatori, gli editori, la data di pubblicazione, piattaforme compatibili e vendite.

1 Dataset non strutturato

AppID, Name, Release date, Estimated owners, Peak CCU, Required age, Price, DLC count, About the game, Supported languages, Full audio languages, Reviews, Header image, Website, Support url, Support email, Windows, Mac, Linux, Metacritic score, Metacritic url, User score, Positive, Negative, Score rank, Achi 20200. "Galactic Bowling", "Oct 21, 2008", "0 - 20000", 0.0, 19.99.0. "Galactic Bowling is an exaggerated and stylized bowling game with an intergalactic twist. Players will engage in fast-paced single and multi-player competition while being submerged in a unique new universe filled with over-the-top hum 655370, "Train Bandit", "Oct 12, 2017", "0 - 20000", 0,0,0.99,0,"THE LAW!! Looks to be a showdown atop a train. This will be your last fight. Good luck, Train Bandit. WHAT IS THIS GAME? Train Bandit is a simple score attack game. The Law will attack you from both sides. Your weapon is your keyboard. You'll u 1469160." expelling make you the best lords 2. Magical epic plots and original prominent symphony show the ancient and magnificent medieval chapter. 3. Military organization, runes and strategies contribute to super power. 4. Sylph awakening, skills and training, you will cooperate to beat BOSS. 5. E. 1659180." losing is a dynamic spet rando tired of prevening Twitch integration - play with your viewers,","[English, 'Russian', 'Danish']",""[1",""https://cdn.akamai.steamstatic.com/steam/apps/1659180/header.ipg?t=1654195425","","","","td.worlds.official@gmail.com",True.False.False.0,""0,021.7,""16 1968760, "Legend of Rome - The Wrath of Mars", "May 5, 2022", "0 - 20000", 2,0,9.99,0, "When the Roman people honored a simple warrior for the victories in battle they angered the god of war. Mars, infuriated, sends his army and brings great destruction to the Roman people. Experience a challenging ma 1178150, "MazM: Jekyll and Hyde", "Apr 2, 2020", "0 - 20000", 10.14.99.0." MazM: Jekyll and Hyde' is a darkly entertaining adventure game based on the classic 1886 novel 'The Strange Case of Dr. Jekyll and Mr. Hyde' by Robert Louis Stevenson, in which you'll tackle the mystery from a totally new angle! You 320150, "Deadlings: Rotten Edition", "Nov 11, 2014", "50000 - 100000", 0,0,3.99,0," Death by Inches a factory where he can build his laboratory and begin traini 1026420,"WARSAW","Oct 2, 2019","20000 - 50000",5,0,23.99,0,"Use everything at your disposal to help a team of accidental heroes survive the onslaught in their home city and overcome tremendous odds stacked against them in this tactical rpg set on the streets of occupied Warsaw of 1944, LEAD YOUR T 485000. with more than two players, place three available cards between each pair of players. Each turn, you start with five cards in hand, playing those cards in order to put locations into play, boost your own sanity or reduce that of others, collect conjuring power to acquire new cards, and remove c 1620060, "Clockwork Dungeon", "Aug 27, 2021"," 0 - 20000", 0,0,1.99,0, "Treasure awaits within the dungeon! There are no guards... but the dungeon was built to protect itself until the end of time, its traps operating like clockwork! Your task is to get the gold and escape alive! The order in which the traps to 825930, "Royal Battleships", "Apr 6, 2018", "2000 - 50000", 0,0,2.99,0, "Sometimes there is nothing better than a tourney in a classic battleships game. You can see a beautifully designed sea battle, familiar to those from your school times. You have to play against the computer and you need to destroy all e 1454010."Diary of Lucie"."Nov 25, 2020"."0 - 20000".3.0.12.99.0."Diary of Lucie is action-roguelite game made with RPG Maker. In addition to simply avoiding the enemy's barrage, strategically use the enemy's bullet to make the battle situation advantageous! In Roguelike mode, Lucie can get 2 types of y 22670, "Alien Breed 3: Descent", "Nov 17, 2010", "200000 - 500000", 3,0,9.99,0, "Alien Breeda," 3: Descent is the final explosive chapter in the Alien Breeda," c series, and is a science fiction arcade-shooter with an epic story, swarms of highly intelligent alien enemies, high-impact weapons and stunning env 1330820. "Hunting Unlimited 3". "Nov 6, 2020". "O - 20000", 0.0, 9.99.0. "When it comes to hunting, thereat" s nothing more real! Travel throughout the United States, Canada and Zambia to lock your sights on the prey of a lifetime. Unique action-packed missions will get your quarry running and your heart g 346560. "Hero of the Kingdom II", "Feb 20, 2015", "100000 - 200000", 5,0,7,9,0, "Sail to the farthest islands to save your sister and defeat pirates. You and your sister had finally found a safe haven in a small fishing village. But more troubles came soon after that. The threat of an unstoppable grew of pirates 1097880, "Super Naughty Maid 2", "Jun 20, 2019", "0 - 20000", 4,0,9.59,2, "Story Leona, your cute and lewd maid is back for more in Super Naughty Maid 2! With her services coming to an end, she wants to see how her beloved master has improved as she puts him to the test. Features Fully animated artwor 1362670, "KHIO". "Jul 24, 2020". "0 - 20000".0.0,9.99.0. "Explore and fight through the desolate frozen wilderness of KHIO and maybe you can piece together your forgotten past and that of the world itself. Gather resources to build tools and camps to stay warm and safe, but always be on guard, no raider wilderness of the world itself. 290870,"S Read mis: Lead unit Key Featt Possibilit Possibilit Possibilit Original v Battlecar Beautiful Nice little We sincerely want you to enjoy Steam Squad as we tried hard to make it interesting. Your support and feedback is vital for us as they help us to improve and make game even better.","[English, 'Ru 575760, "Project: R.E.B.O.O.T 2", "Jan 27, 2017", "20000 - 50000", 10,0,2,99,0, "Meet the continuation of the hardcore platformer Project: R.E.B.O.O.T! You have to play for the intelligent robot, created by the best scientists for the annual tournament 'Project: R.E.B.O.O.T'. The best minds from all the planets 434030."Aeroffy FS 2 Flight Simulator", "Nov 20, 2017", "100000 - 200000", 19, 0.37, 49, 23, "Aeroffy FS 2 lets you explore the world of flying in a quality never seen before. Fly a large selection of highly detailed aircraft or a helicopter with fully animated and interactive 3D cockpits. Aeroffy FS 2 is a next general 810740, "Turtle Lu", "Mar 22, 2018", "20000 - 50000", 0,0,2.99,0, "Turtle Lu Turtle Lu 2073470, "Kanjozoku Game 8f-8f%ä,µ8f%", "Jul 16, 2022", "20000 - 50000", 319,0,5.99,0." Kanjozoku Game 8f-8f%ä,µ8f% : 90s Osaka Kanjo Illegal street racing. Feel like an street racer and drive on Japanese autobahns. True 90s and 2000s JDM Cars to drive and tune. Engine Tuning: Internals, Turbochargers, EC 589250. "PowersVR". "Oct 10. 2020". "0 - 20000". 0.9 99.0. "PowersVR lets you be the caped crusader from comic books, Featuring a cast of colorful heroes, you'll get to test out their unique superpowers in Metropolis, Compete in challenges, unlock all superpowers, fight enemies and discover hidden coll 677880,"D â-¶ Blue â-¶ Gree â-¶ Red fî â-¶ 46ce fa-¶ 4cce fa-¶ 4cce fa-¶ 4cce fa-¶ 4cce fa-¶ 4cce fa-¶ 4cce fa-¶ 5cce fa-¶ 5cc 1294780, "Pathfinders: Memories", "Feb 16, 2021", "0 - 20000", 0.0, 2,99.0, "Pathfinders are eager to know more about human History. They have studied different civilizations of the past. With the support of the scientist Albert New, they travel through space and time, visiting these ancient people in person 1342850. "Bright Days in Quarantine". "Jul 18, 2020", "0 - 20000".0.0.1.99.0." It is hard to adapt to such drastic changes to our daily lives in a world where most of us need to stay at home to help curb a virus pandemic. Keeping a house organized during quarantine can be difficult, especially when you have so 1177420, "é., »å±...ås§å"/UncleNeighbor:uncle Dating Simulator","Jun 19, 2020","0 - 20000",19,0,13.99,1,"Neighbor Uncle/UncleNeighbor: This is a love simulation game. You can play as a newcomer to the town starting a new life and date the 12 uncles The 18R-DLC has now been updated for 12 uncles.730+ 793990. "Duplo", "Mar 6, 2018", "0 - 20000", 0.0.11,99.0. "«Duplo Å» åte" is a fast and challenging non-stop arcade, with minimalistic gameolay. You must play contemporaneously both hands. The game has two screens with purple main characters. The right character is controlled by the mouse. The left hero 1727670, "Home Office Tasker", "Sep 8, 2021", "O - 20000",0,0,0.99,0, "You no longer need to go to special applications or use cluttered websites to track your plans, HO Tasker is always open on your desktop, you can bring it on top of all other applications, minimize and expand it in 1 click and never miss at 955490,"Terror in The Atomic Desert","Mar 22, 2019","0 - 20000",0,0.2.99.0,"It came from the 1950s! Terror straight out of the Atomic Age explodes onto your computer screen in this homage to 'So bad it's bad' creature flicks such as The Beast of Yucca Flats and Eegah . Your trip down Route 66 quickly turn 42500,"Do The Mongoose. Configurable Xbox Controller Support Take to the skies and deal lead death to your enemy using a state-of-the-art flight model that gives players unprecedented command of DogFighterâ€"s craft. Complete control of the craft, combined with easily executed advanced mano

Dati degli ultimi anni sulla piattaforma più utilizzata per scaricare ed utilizzare videogiochi su PC (Steam)

https://drive.google.com/file/d/1HNHh_H9AbVD_M7KUN7_T_dbjA YOZ8Dgv/view?usp=sharing

1 Dataset non strutturato

613,310.00, Acceleration of SUGURI 2, Fighting Game, 6, 2, United States, 310.00, 2018				
510,190075.61,Age of Empires,Strategy,246,95,Viet Nam,123408.43,1997				
179,1492489.51,Age of Empires II,Strategy,956,576,China,174252.44,1999				
177,68113.85,Age of Empires III,Strategy,106,76,United States,18523.52,2005				
540,2668.00,Age of Empires Online,Strategy,16,7,Germany,1264.00,2011				
178,52360.00, Age of Mythology, Strategy, 22, 6, "Taiwan, Republic of China", 22000.00	,2002			
667,20.00,Akatsuki Blitzkampf,Fighting Game,3,1,United States,20.00,2007				
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702,11000.00,Among Us,Strategy,5,2,United States,10000.00,2018				
566,4273351.69,Apex Legends,Battle Royale,1099,170,United States,1825646.05,201	9			
457,245.00,Aquapazza: Aquaplus Dream Match,Fighting Game,5,2,United States,12	3.50,2011			
431,1000.00,Arcana Heart 3,Fighting Game,4,1,United States,950.00,2009				
597,570.00,Arcana Heart 3: Love Max Six Stars!!!!, Fighting Game, 8,4, United States,	464.00,2014			
462,410.00, Arcana Heart 3: LOVE MAX!!!!!, Fighting Game, 6, 2, United States, 284.00, 2	1013			
529,15228710.62,Arena of Valor,Multiplayer Online Battle Arena,558,51,China,5016	882.31,2015			
508,18248.09,ARMS,Fighting Game,95,82,United States,11089.37,2017				
552,119168.54,Artifact,Collectible Card Game,275,166,China,26273.47,2018				
661,155.00,Artifact 2.0,Collectible Card Game,3,3,Russian Federation,60.00,2020				
521,29500.00,Asphalt 4,Racing,5,2,Singapore,13000.00,2008				
625,51520.00,Asphalt 9: Legends,Racing,5,2,Italy,17550.00,2018				
553,191851.70,Assetto Corsa,Racing,81,31,Czech Republic,68689.40,2014				
659,1649.00, Assetto Corsa Competizione, Racing, 8,9, Denmark, 354.00, 2018				
668,10.00, Asuka 120% LimitOver BURNING Fest., Fighting Game, 3, 1, France, 10.00, 19	98			
489,108650.00,Attack on Titan Tribute Game,Fighting Game,21,15,Australia,35100.0	0,2013			
589,1076322.28,Auto Chess,Strategy,72,6,"Korea, Republic of",515267.34,2019				
528,185654.67,Battalion 1944,First-Person Shooter,114,21,United States,42650.00,2	018			
537,0.00,Battalion 1944,First-Person Shooter,0,0,None,0.00,2018				
468,0.00,Battlefield 1,First-Person Shooter,0,0,None,0.00,2016				
357,91715.22,Battlefield 2,First-Person Shooter,0,12,None,0.00,2005				
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651,0.00,Battlefield 5,First-Person Shooter,0,0,None,0.00,2018				
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Dati analitici degli ultimi Anni relativi ai tornei internazionali di Gaming. (ESport)

https://drive.google.com/file/d/1tzcTpXhdNC0SuhNApUbcAqIH3Hw Gr4Pu/view?usp=sharing

Bonus dati semistrutturati

https://www.vigamusacademy.com/il-mercato-dei-videogiochi-in-italia-nel-20 21-il-report-di-iidea/#:~:text=Per%20quanto%20riguarda%20i%20videogioc atori,il%2044%25%20di%20sesso%20femminile.

https://www.infodata.ilsole24ore.com/2023/09/23/cosa-sta-accadendo-al-mercato-dei-videogiochi-in-cinque-grafici-e-un-numero-infographics/

https://www.spaziogames.it/speciali/rapporto-videogiochi-in-italia-2021



15,5 milioni di persone hanno giocato ai videogiochi nel 2021, ovvero il 35% della popolazione italiana tra i 6 e i 64 anni.



GRAZIE