

Brief Article

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1 First section

	EA	TTWO	UBSFY	ATVI
0	EA	Take Two	Ubisoft	Blizzard
1	Fifa	NBA 2K	Assasin's Creed	Starcraft
2	The Sims	Battleborn	AC	Warcraft
3	Need for Speed	BioShock	Far Cry	Overwatch
4	NFL	Borderlands	Watch Dogs	Diablo
5	Apex	Evolve	Rainbow Six Siege	World of Warcraft
6	Battlefield	Mafia	Wildlands	Hearthstone
7	Bejeweled	Civilization	For Honor	Heroes of the Storm
8	Battlefront	The Darkness	Tom Clancy's	
9	NBA	XCOM	The Division	
10	Dragon Age	WWE		
11	Titanfall	GTA		
12	Dead Space	Grand Theft Auto		
13		Max Payne		
14		Red Dead Redemption		
15		RRD		

1.1 A subsection

In our analysis we decided to analyze the algorithm on 4 large companies from the gaming industry. This sector was chosen due to the fact that the study takes into account the influence of sentiment analysis - one of our hypotheses is that the opinions of Reddit users have a particularly significant impact on valuations of a given company in the gaming industry. As many as 4 companies were chosen for the analysis - Electronic Arts, Ubisoft, Take-Two Interactive Software, Activision Blizzard, called in the later part of the paper by their stock ticker: EA, UBSFY, TTWO, ATVI. The selection of more than one company was influenced by making sure that the algorithm was reproducible and universal. Furthermore, attempts were made to use the model learned on one company's data on another company's test data. These companies are among the leaders in the growth industry. The choice of only U.S. companies was due to a possible language

barrier when analyzing the sentiment of companies that produce games primarily for the Asian market. Due to the use of one-day intervals during replacement, limitations of Reddit's API (Application Programming Interface), and limitations of computing power, the analysis was conducted over a nearly three-year period: from 01/01/2019 to 31/10/2021. The data comes from the US NASDAQ stock market and was retrieved using the yahoo finance library for the python language.