



**BUSITEMA
UNIVERSITY**
Pursuing excellence

FACULTY OF ENGINEERING

**A REPORT ABOUT HOW TO IMPORT EXCELL DATA FROM
KAGGLE.COM DATABASE TO MATLAB & TO WRITE AMATLAB CODE
THAT CAN STORE EACH MEMBERS INFORMATION ATRIBUTES IN TO A
SINGLE VARIABLE.**

COURSE UNIT: COMPUTER PROGRAMMING

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The willingness of each one of us to invest time and provide constructive feedback has been immensely valuable in this assignment. Finally, we would like to express our gratitude to all the sources and references that have been cited in this report

ABSTRACT

We started our first meeting for research on 5th, September, 2025 in the university library out of which we were exposed to various concepts on how to import, extract and feeding in data in to MATLAB as per the assignment which consisted of retrieving excel data from Kaggle.com website ,copying variables of each year to tables, converting tables to structural arrays, outputting each variable in to a single work book and generating a MATLAB code that can store each members' affirmation attributes. We achieved this through division of labor, different members were assigned different tasks in order to ease the work and to save time.

DEDICATION.

We dedicate this report to all the individuals especially Group F members, who have been there with us in the process of formulating and compiling this report. To our lecturer Mr. Maseruka Benedicto whose guidance and expertise have been invaluable, your mentorship and insightful feedback have shaped our understanding.

DECLARATION

We hereby certify and confirm that the information in this report is out of our own efforts, research and it has never been submitted in any institution for any academic award.

APPROVAL

We are presenting this report which has been written and produced under our efforts. We carried out research on converting tables into structural arrays, outputting variables into single workbooks and writing codes that can store affirmation attributes.

LIST OF ACRONYMS/ ABBREVIATIONS.

GUI - Graphical user interface.

MATLAB - Matrix Laboratory.

1 CHAPTER ONE: INTRODUCTION

1.1 Background.

MATLAB, which stands for matrix laboratory, is a high-performance programming language and environment designed primarily for technical computing. Its origins trace back to the late 1970s when Cleve Moler, a professor of computer science, developed it to provide his students with easy access to mathematical software libraries without requiring them to learn Fortran.

1.2 Historical Development

Initial Development: The first version of MATLAB was created in Fortran in the late 1970s as a simple interactive matrix calculator. This early iteration included basic matrix operations and was built on top of two significant mathematical libraries: LINPACK and EISPACK, which were developed for numerical linear algebra and eigenvalue problems, respectively.

Commercial Launch: MATLAB was officially launched as a commercial product in 1984 by MathWorks, a company founded by Moler along with Jack Little and Steve Bangert. This marked the transition from a simple calculator to a comprehensive programming environment. The software was reimplemented in C, enhancing its capabilities with the addition of user-defined functions, toolboxes, and graphical interfaces.

Expansion and Toolboxes: Over the years, MATLAB has expanded significantly. By the late 1980s, it had introduced several specialized toolboxes for various applications, including control systems and signal processing. The introduction of the *Simulink* environment further allowed users to model and simulate dynamic systems graphically.

Modern Enhancements: Recent versions of MATLAB have introduced features like the *Live Editor*, which allows users to create interactive documents that combine code, output, and formatted text. This evolution reflects MATLAB's ongoing adaptation to meet the needs of its diverse user base across academia and industry.

2 CHAPTER 2: STUDY METHODOLOGY

2.1 Introduction.

At the start, each member was given a task of making research about the assignment before our first meeting. The research concepts were obtained through watching tutorials on YouTube and also consultations from other continuing students especially those in year three and four.

2.2 DISCUSSION ONE

We were able to import, retrieve data from Kaggle.com website, importing it to MATLAB, converting tables in to structural arrays, outputting variables in to a single workbook with each year on separate sheets having clear column headings and sheet names.

STEPS INVOLVED.

Step1; open Kaggle.com website from goggle chrome.

Step2; sign in Kaggle.com and download any desired excel dataset and zip it in to a desired folder.

Step 3; Copy the file into MATLAB folder being used for coding.

Step4; go to home tab and click on new script to open the editor.

Step 5; save the script as assignment. And save it in the directory that is in your MATLAB path or current working directory.

Step 6; insert the required codes respectively and then run as shown below,

2.2.1 Kaggle Dataset Manipulation

2.2.1.1 Extracting the table from the file

```
vgmain = readtable("vgsales.csv","ReadVariableNames",true);
disp(vgmain);
```

Rank	Platform	Year	Genre	Publisher	Name
NA_Sales	EU_Sales	JP_Sales	Other_Sales	Global_Sales	
1	{'X360'}	2010	{'Misc'}	{'Microsoft Game Studios'}	
14.97	4.94	0.24	1.67	21.82	
2	{'PS3'}	2013	{'Action'}	{'Take-Two Interactive'}	
7.01	9.27	0.97	4.14	21.4	
3	{'X360'}	2013	{'Action'}	{'Take-Two Interactive'}	
9.63	5.31	0.06	1.38	16.38	
4	{'DS'}	2010	{'Role-Playing'}	{'Nintendo'}	
5.57	3.28	5.65	0.82	15.32	
5	{'X360'}	2011	{'Shooter'}	{'Activision'}	
9.03	4.28	0.13	1.32	14.76	
6	{'X360'}	2010	{'Shooter'}	{'Activision'}	
9.67	3.73	0.11	1.13	14.64	
7	{'3DS'}	2013	{'Role-Playing'}	{'Nintendo'}	
5.17	4.05	4.34	0.79	14.35	
8	{'PS4'}	2015	{'Shooter'}	{'Activision'}	
5.77	5.81	0.35	2.31	14.24	
9	{'PS3'}	2012	{'Shooter'}	{'Activision'}	
4.99	5.88	0.65	2.52	14.03	
10	{'X360'}	2012	{'Shooter'}	{'Activision'}	
8.25	4.3	0.07	1.12	13.73	

11	{ 'Call of Duty: Modern Warfare 3' }	{ 'PS3' }	2011	{ 'Shooter' }	{ 'Activision' }	
5.54	5.82	0.49	1.62	13.46		
12	{ 'Call of Duty: Black Ops' }	{ 'PS3' }	2010	{ 'Shooter' }	{ 'Activision' }	
5.98	4.44	0.48	1.83	12.73		
13	{ 'Mario Kart 7' }	{ '3DS' }	2011	{ 'Racing' }	{ 'Nintendo' }	
4.74	3.91	2.67	0.89	12.21		
14	{ 'Grand Theft Auto V' }	{ 'PS4' }	2014	{ 'Action' }	{ 'Take-Two Interactive' }	
3.8	5.81	0.36	2.02	11.98		
15	{ 'Pokemon Omega Ruby/Pokemon Alpha Sapphire' }	{ '3DS' }	2014	{ 'Role-Playing' }	{ 'Nintendo' }	
4.23	3.37	3.08	0.65	11.33		
16	{ 'Super Mario 3D Land' }	{ '3DS' }	2011	{ 'Platform' }	{ 'Nintendo' }	
4.89	2.99	2.13	0.78	10.79		
17	{ 'Gran Turismo 5' }	{ 'PS3' }	2010	{ 'Racing' }	{ 'Sony Computer Entertainment' }	
2.96	4.88	0.81	2.12	10.77		
18	{ 'Just Dance 3' }	{ 'Wii' }	2011	{ 'Misc' }	{ 'Ubisoft' }	
6.05	3.15	0	1.07	10.26		
19	{ 'Call of Duty: Ghosts' }	{ 'X360' }	2013	{ 'Shooter' }	{ 'Activision' }	
6.72	2.63	0.04	0.82	10.21		
20	{ 'Halo: Reach' }	{ 'X360' }	2010	{ 'Shooter' }	{ 'Microsoft Game Studios' }	
7.03	1.98	0.08	0.78	9.88		
21	{ 'New Super Mario Bros. 2' }	{ '3DS' }	2012	{ 'Platform' }	{ 'Nintendo' }	
3.66	3.07	2.47	0.63	9.82		
22	{ 'Halo 4' }	{ 'X360' }	2012	{ 'Shooter' }	{ 'Microsoft Game Studios' }	
6.63	2.36	0.04	0.73	9.76		
23	{ 'Call of Duty: Ghosts' }	{ 'PS3' }	2013	{ 'Shooter' }	{ 'Activision' }	
4.09	3.73	0.38	1.38	9.59		
24	{ 'Just Dance 2' }	{ 'Wii' }	2010	{ 'Misc' }	{ 'Ubisoft' }	
5.84	2.89	0.01	0.78	9.52		
25	{ 'Minecraft' }	{ 'X360' }	2013	{ 'Misc' }	{ 'Microsoft Game Studios' }	
5.58	2.83	0.02	0.77	9.2		
26	{ 'Animal Crossing: New Leaf' }	{ '3DS' }	2012	{ 'Simulation' }	{ 'Nintendo' }	
2.01	2.32	4.36	0.41	9.09		

27	{ 'The Elder Scrolls V: Skyrim'				
}	{ 'X360' }	2011	{ 'Role-Playing' }	{ 'Bethesda Softworks'	}
5.03	2.86	0.1	0.85	8.84	
28	{ 'FIFA 16'				
}	{ 'PS4' }	2015	{ 'Sports' }	{ 'Electronic Arts'	}
1.11	6.06	0.06	1.26	8.49	
29	{ 'Wii Party'				
}	{ 'Wii' }	2010	{ 'Misc' }	{ 'Nintendo'	}
1.79	3.53	2.49	0.68	8.49	
30	{ 'Pokemon Black 2/Pokemon White 2'				
}	{ 'DS' }	2012	{ 'Role-Playing' }	{ 'Nintendo'	}
2.91	1.86	3.14	0.43	8.33	
31	{ 'FIFA Soccer 13'				
}	{ 'PS3' }	2012	{ 'Action' }	{ 'Electronic Arts'	}
1.06	5.05	0.13	2.01	8.24	
32	{ 'Super Mario Galaxy 2'				
}	{ 'Wii' }	2010	{ 'Platform' }	{ 'Nintendo'	}
3.66	2.42	0.98	0.64	7.69	
33	{ 'Star Wars Battlefront (2015)'				
}	{ 'PS4' }	2015	{ 'Shooter' }	{ 'Electronic Arts'	}
2.93	3.29	0.22	1.23	7.67	
34	{ 'Call of Duty: Advanced Warfare'				
}	{ 'PS4' }	2014	{ 'Shooter' }	{ 'Activision'	}
2.8	3.3	0.14	1.37	7.6	
35	{ 'Super Smash Bros. for Wii U and 3DS'				
}	{ '3DS' }	2014	{ 'Fighting' }	{ 'Nintendo'	}
3.24	1.35	2.42	0.43	7.45	
36	{ 'Battlefield 3'				
}	{ 'X360' }	2011	{ 'Shooter' }	{ 'Electronic Arts'	}
4.46	2.13	0.06	0.69	7.34	
37	{ 'Call of Duty: Black Ops 3'				
}	{ 'XOne' }	2015	{ 'Shooter' }	{ 'Activision'	}
4.52	2.09	0.01	0.67	7.3	
38	{ 'Battlefield 3'				
}	{ 'PS3' }	2011	{ 'Shooter' }	{ 'Electronic Arts'	}
2.85	2.93	0.35	1.1	7.23	
39	{ 'Mario Kart 8'				
}	{ 'WiiU' }	2014	{ 'Racing' }	{ 'Nintendo'	}
3.13	2.07	1.27	0.49	6.96	
40	{ 'Fallout 4'				
}	{ 'PS4' }	2015	{ 'Role-Playing' }	{ 'Bethesda Softworks'	}
2.47	3.15	0.24	1.1	6.96	
41	{ 'Just Dance 4'				
}	{ 'Wii' }	2012	{ 'Misc' }	{ 'Ubisoft'	}
4.14	2.21	0	0.56	6.91	
42	{ 'FIFA 14'				
}	{ 'PS3' }	2013	{ 'Sports' }	{ 'Electronic Arts'	}
0.78	4.32	0.07	1.73	6.9	

43	{ 'Uncharted 3: Drake's Deception'				
} { 'PS3' }	2011	{ 'Action' }	{ 'Sony Computer Entertainment' }		
2.77	2.8	0.19	1.06	6.83	
44	{ 'Zumba Fitness'				
} { 'Wii' }	2010	{ 'Sports' }	{ '505 Games' }		
3.5	2.64	0	0.67	6.81	
45	{ 'FIFA 12'				
} { 'PS3' }	2011	{ 'Sports' }	{ 'Electronic Arts' }		
0.84	4.32	0.11	1.42	6.69	
46	{ 'Red Dead Redemption'				
} { 'PS3' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }		
2.79	2.61	0.17	1.03	6.6	
47	{ 'FIFA 15'				
} { 'PS4' }	2014	{ 'Sports' }	{ 'Electronic Arts' }		
0.79	4.29	0.05	1.47	6.59	
48	{ 'Donkey Kong Country Returns'				
} { 'Wii' }	2010	{ 'Platform' }	{ 'Nintendo' }		
3.25	1.84	1.03	0.47	6.59	
49	{ 'The Elder Scrolls V: Skyrim'				
} { 'PS3' }	2011	{ 'Role-Playing' }	{ 'Bethesda Softworks' }		
2.55	2.71	0.25	1.05	6.56	
50	{ 'Assassin's Creed III'				
} { 'PS3' }	2012	{ 'Action' }	{ 'Ubisoft' }		
2.64	2.56	0.16	1.14	6.5	
51	{ 'Red Dead Redemption'				
} { 'X360' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }		
3.7	1.97	0.09	0.57	6.34	
52	{ 'Kinect Sports'				
} { 'X360' }	2010	{ 'Sports' }	{ 'Microsoft Game Studios' }		
3.92	1.78	0.03	0.51	6.24	
53	{ 'Gears of War 3'				
} { 'X360' }	2011	{ 'Shooter' }	{ 'Microsoft Game Studios' }		
4.05	1.62	0.07	0.49	6.24	
54	{ 'The Last of Us'				
} { 'PS3' }	2013	{ 'Action' }	{ 'Sony Computer Entertainment Europe' }		
2.41	2.28	0.28	1.01	5.99	
55	{ 'Destiny'				
} { 'PS4' }	2014	{ 'Shooter' }	{ 'Activision' }		
2.49	2.05	0.16	0.96	5.65	
56	{ 'Batman: Arkham City'				
} { 'PS3' }	2011	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }		
2.7	1.91	0.11	0.8	5.53	
57	{ 'Minecraft'				
} { 'PS3' }	2014	{ 'Misc' }	{ 'Sony Computer Entertainment' }		
1.97	2.51	0	0.94	5.42	
58	{ 'Assassin's Creed III'				
} { 'X360' }	2012	{ 'Action' }	{ 'Ubisoft' }		
3.13	1.71	0.03	0.44	5.3	

59	{'Diablo III'				
}	{'PC' }	2012	{'Role-Playing'}	{'Activision'	}
2.43	2.15	0	0.62	5.2	
60	{'New Super Mario Bros. U'				
}	{'WiiU' }	2012	{'Platform' }	{'Nintendo'	}
2.32	1.3	1.27	0.31	5.19	
61	{'FIFA Soccer 13'				
}	{'X360' }	2012	{'Action' }	{'Electronic Arts'	}
1.08	3.48	0.03	0.58	5.18	
62	{'Tomodachi Life'				
}	{'3DS' }	2013	{'Simulation' }	{'Nintendo'	}
0.96	2.02	1.89	0.28	5.15	
63	{'Fable III'				
}	{'X360' }	2010	{'Role-Playing'}	{'Microsoft Game Studios'	}
3.59	1.11	0.05	0.38	5.13	
64	{'Call of Duty: Advanced Warfare'				
}	{'XOne' }	2014	{'Shooter' }	{'Activision'	}
3.21	1.53	0.01	0.38	5.13	
65	{'Grand Theft Auto V'				
}	{'XOne' }	2014	{'Action' }	{'Take-Two Interactive'	}
2.66	2.01	0	0.41	5.08	
66	{'FIFA Soccer 11'				
}	{'PS3' }	2010	{'Sports' }	{'Electronic Arts'	}
0.6	3.29	0.06	1.13	5.08	
67	{'Super Smash Bros. for Wii U and 3DS'				
}	{'WiiU' }	2014	{'Fighting' }	{'Nintendo'	}
2.59	1.06	0.8	0.57	5.02	
68	{'Monster Hunter Freedom 3'				
}	{'PSP' }	2010	{'Role-Playing'}	{'Capcom'	}
0	0	4.87	0	4.87	
69	{'God of War III'				
}	{'PS3' }	2010	{'Action' }	{'Sony Computer Entertainment'	}
2.74	1.36	0.12	0.63	4.84	
70	{'StarCraft II: Wings of Liberty'				
}	{'PC' }	2010	{'Strategy' }	{'Activision'	}
2.56	1.68	0	0.59	4.83	
71	{'FIFA 15'				
}	{'PS3' }	2014	{'Sports' }	{'Electronic Arts'	}
0.57	3.14	0.04	1.07	4.82	
72	{'FIFA 17'				
}	{'PS4' }	2016	{'Sports' }	{'Electronic Arts'	}
0.28	3.75	0.06	0.69	4.77	
73	{'Batman: Arkham City'				
}	{'X360' }	2011	{'Action' }	{'Warner Bros. Interactive Entertainment'}	}
2.99	1.31	0.04	0.41	4.76	
74	{'Forza Motorsport 4'				
}	{'X360' }	2011	{'Racing' }	{'Microsoft Game Studios'	}
2.08	2.04	0.06	0.47	4.64	

75	{ 'Luigi's Mansion: Dark Moon'				
}	{ '3DS' }	2013	{ 'Action' }	{ 'Nintendo'	}
1.78	1.39	1.1	0.3	4.58	
76	{ 'Splatoon'				
}	{ 'WiiU' }	2015	{ 'Shooter' }	{ 'Nintendo'	}
1.55	1.15	1.44	0.43	4.57	
77	{ 'The Last of Us'				
}	{ 'PS4' }	2014	{ 'Action' }	{ 'Sony Computer Entertainment'	}
1.78	1.87	0.07	0.82	4.55	
78	{ 'Uncharted: The Nathan Drake Collection'				
}	{ 'PS4' }	2015	{ 'Action' }	{ 'Sony Computer Entertainment'	}
1.96	1.69	0.08	0.74	4.47	
79	{ 'Call of Duty: Advanced Warfare'				
}	{ 'PS3' }	2014	{ 'Shooter' }	{ 'Activision'	}
1.54	1.94	0.19	0.77	4.45	
80	{ 'Nintendo Land'				
}	{ 'WiiU' }	2012	{ 'Misc' }	{ 'Nintendo'	}
2.55	1.11	0.46	0.33	4.44	
81	{ 'Michael Jackson: The Experience'				
}	{ 'Wii' }	2010	{ 'Misc' }	{ 'Ubisoft'	}
2.67	1.35	0.01	0.39	4.42	
82	{ 'FIFA 14'				
}	{ 'X360' }	2013	{ 'Sports' }	{ 'Electronic Arts'	}
0.92	2.93	0.01	0.46	4.31	
83	{ 'Call of Duty: Advanced Warfare'				
}	{ 'X360' }	2014	{ 'Shooter' }	{ 'Activision'	}
2.75	1.18	0	0.37	4.31	
84	{ 'Halo 5: Guardians'				
}	{ 'XOne' }	2015	{ 'Shooter' }	{ 'Microsoft Game Studios'	}
2.64	1.2	0.03	0.39	4.26	
85	{ 'Super Mario 3D World'				
}	{ 'WiiU' }	2013	{ 'Platform' }	{ 'Nintendo'	}
2.11	1.11	0.72	0.3	4.25	
86	{ 'Assassin's Creed: Revelations'				
}	{ 'PS3' }	2011	{ 'Action' }	{ 'Ubisoft'	}
1.41	2.02	0.1	0.72	4.24	
87	{ 'The Legend of Zelda: Ocarina of Time'				
}	{ '3DS' }	2011	{ 'Action' }	{ 'Nintendo'	}
2.03	1.27	0.62	0.3	4.21	
88	{ 'Uncharted 4: A Thief's End'				
}	{ 'PS4' }	2016	{ 'Shooter' }	{ 'Sony Computer Entertainment'	}
1.3	2.07	0.18	0.65	4.2	
89	{ 'Assassin's Creed: Revelations'				
}	{ 'X360' }	2011	{ 'Action' }	{ 'Ubisoft'	}
2.25	1.47	0.04	0.43	4.19	
90	{ 'FIFA 12'				
}	{ 'X360' }	2011	{ 'Sports' }	{ 'Electronic Arts'	}
0.84	2.79	0.02	0.53	4.19	

91	{ 'Watch Dogs'				
}	{ 'PS4' }	2014	{ 'Action' }	{ 'Ubisoft'	}
1.4	1.86	0.11	0.77	4.14	
92	{ 'The Legend of Zelda: Skyward Sword'				
}	{ 'Wii' }	2011	{ 'Action' }	{ 'Nintendo'	}
2.14	1.2	0.37	0.4	4.1	
93	{ 'Fallout 4'				
}	{ 'XOne' }	2015	{ 'Role-Playing' }	{ 'Bethesda Softworks'	}
2.45	1.26	0.01	0.37	4.09	
94	{ 'Fallout: New Vegas'				
}	{ 'X360' }	2010	{ 'Role-Playing' }	{ 'Bethesda Softworks'	}
2.65	1.06	0.04	0.33	4.08	
95	{ 'Far Cry 4'				
}	{ 'PS4' }	2014	{ 'Shooter' }	{ 'Ubisoft'	}
1.12	2.12	0.1	0.69	4.03	
96	{ 'Minecraft'				
}	{ 'PS4' }	2014	{ 'Misc' }	{ 'Sony Computer Entertainment Europe'	}
1.38	1.87	0.12	0.65	4.02	
97	{ 'Assassin's Creed: Unity'				
}	{ 'PS4' }	2014	{ 'Action' }	{ 'Ubisoft'	}
1.18	1.96	0.08	0.7	3.92	
98	{ 'Assassin's Creed IV: Black Flag'				
}	{ 'PS3' }	2013	{ 'Action' }	{ 'Ubisoft'	}
1.33	1.71	0.13	0.73	3.89	
99	{ 'Monster Hunter 4 Ultimate'				
}	{ '3DS' }	2014	{ 'Role-Playing' }	{ 'Nintendo'	}
0.67	0.49	2.62	0.11	3.89	
100	{ 'The Elder Scrolls V: Skyrim'				
}	{ 'PC' }	2011	{ 'Role-Playing' }	{ 'Bethesda Softworks'	}
1.15	2.09	0	0.64	3.88	
101	{ 'Sports Champions'				
}	{ 'PS3' }	2010	{ 'Sports' }	{ 'Sony Computer Entertainment'	}
2.12	1.14	0.1	0.51	3.87	
102	{ 'NBA 2K16'				
}	{ 'PS4' }	2015	{ 'Sports' }	{ 'Take-Two Interactive'	}
2.48	0.65	0.03	0.69	3.85	
103	{ 'Nintendogs + cats'				
}	{ '3DS' }	2011	{ 'Simulation' }	{ 'Nintendo'	}
1.44	1.37	0.73	0.27	3.81	
104	{ 'Batman: Arkham Knight'				
}	{ 'PS4' }	2015	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment'	}
1.49	1.58	0.1	0.61	3.79	
105	{ 'Mario & Sonic at the London 2012 Olympic Games'				
}	{ 'Wii' }	2011	{ 'Sports' }	{ 'Sega'	}
1.14	1.91	0.27	0.46	3.78	
106	{ 'Just Dance 2014'				
}	{ 'Wii' }	2013	{ 'Misc' }	{ 'Ubisoft'	}
1.98	1.47	0	0.32	3.76	

107	{ 'The Witcher 3: Wild Hunt'				
}	{ 'PS4' }	2015	{ 'Role-Playing' }	{ 'Namco Bandai Games'	}
0.96	2	0.21	0.56	3.73	
108	{ 'Battlefield 4'				
}	{ 'PS3' }	2013	{ 'Shooter' }	{ 'Electronic Arts'	}
1.3	1.51	0.27	0.61	3.69	
109	{ 'Gran Turismo 6'				
}	{ 'PS3' }	2013	{ 'Racing' }	{ 'Sony Computer Entertainment'	}
0.71	1.8	0.4	0.74	3.64	
110	{ 'Call of Duty: Ghosts'				
}	{ 'PS4' }	2013	{ 'Shooter' }	{ 'Activision'	}
1.78	1.42	0.05	0.38	3.63	
111	{ 'Tom Clancy's The Division'				
}	{ 'PS4' }	2016	{ 'Shooter' }	{ 'Ubisoft'	}
1.28	1.61	0.15	0.57	3.61	
112	{ 'Battlefield 4'				
}	{ 'X360' }	2013	{ 'Shooter' }	{ 'Electronic Arts'	}
2.14	1.08	0.02	0.29	3.53	
113	{ 'FIFA Soccer 11'				
}	{ 'X360' }	2010	{ 'Sports' }	{ 'Electronic Arts'	}
0.71	2.4	0.02	0.4	3.53	
114	{ 'Assassin's Creed: Brotherhood'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'Ubisoft'	}
2.84	0.39	0.03	0.24	3.5	
115	{ 'Star Wars Battlefront (2015)'				
}	{ 'XOne' }	2015	{ 'Shooter' }	{ 'Electronic Arts'	}
1.94	1.22	0.02	0.31	3.49	
116	{ 'Battlefield: Bad Company 2'				
}	{ 'X360' }	2010	{ 'Shooter' }	{ 'Electronic Arts'	}
2.09	1.02	0.04	0.32	3.48	
117	{ 'Assassin's Creed: Unity'				
}	{ 'XOne' }	2014	{ 'Action' }	{ 'Ubisoft'	}
2.26	0.89	0	0.3	3.46	
118	{ 'Far Cry 3'				
}	{ 'PS3' }	2012	{ 'Shooter' }	{ 'Ubisoft'	}
0.88	1.75	0.1	0.72	3.45	
119	{ 'Monster Hunter 4'				
}	{ '3DS' }	2013	{ 'Role-Playing' }	{ 'Capcom'	}
0	0	3.44	0	3.44	
120	{ 'Battlefield 4'				
}	{ 'PS4' }	2013	{ 'Shooter' }	{ 'Electronic Arts'	}
1.34	1.54	0.17	0.38	3.43	
121	{ 'LittleBigPlanet 2'				
}	{ 'PS3' }	2011	{ 'Platform' }	{ 'Sony Computer Entertainment'	}
1.82	1.07	0.06	0.47	3.42	
122	{ 'Metal Gear Solid V: The Phantom Pain'				
}	{ 'PS4' }	2015	{ 'Action' }	{ 'Konami Digital Entertainment'	}
1.08	1.35	0.48	0.47	3.38	

123	{ 'Assassin's Creed IV: Black Flag' }				
	{ 'X360' }	2013	{ 'Action' }	{ 'Ubisoft' }	
1.9	1.14	0.01	0.29	3.34	
124	{ 'Mario Party 9' }				
	{ 'Wii' }	2012	{ 'Misc' }	{ 'Nintendo' }	
1.15	1.17	0.76	0.24	3.32	
125	{ 'Assassin's Creed Syndicate' }				
	{ 'PS4' }	2015	{ 'Action' }	{ 'Ubisoft' }	
0.8	1.92	0.06	0.5	3.28	
126	{ 'Destiny' }				
	{ 'XOne' }	2014	{ 'Shooter' }	{ 'Activision' }	
2.13	0.92	0	0.23	3.28	
127	{ 'Monster Hunter X' }				
	{ '3DS' }	2015	{ 'Action' }	{ 'Capcom' }	
0.25	0.19	2.78	0.04	3.26	
128	{ 'FIFA 16' }				
	{ 'XOne' }	2015	{ 'Sports' }	{ 'Electronic Arts' }	
0.88	2.11	0	0.23	3.23	
129	{ 'L.A. Noire' }				
	{ 'PS3' }	2011	{ 'Adventure' }	{ 'Take-Two Interactive' }	
1.27	1.33	0.12	0.51	3.23	
130	{ 'Madden NFL 16' }				
	{ 'PS4' }	2015	{ 'Sports' }	{ 'Electronic Arts' }	
2.33	0.3	0	0.59	3.22	
131	{ 'Yokai Watch 2 Ganso/Honke' }				
	{ '3DS' }	2014	{ 'Role-Playing' }	{ 'Nintendo' }	
0.03	0	3.18	0	3.22	
132	{ 'Dance Central' }				
	{ 'X360' }	2010	{ 'Misc' }	{ 'MTV Games' }	
2.15	0.77	0.01	0.26	3.19	
133	{ 'Super Mario Maker' }				
	{ 'WiiU' }	2015	{ 'Platform' }	{ 'Nintendo' }	
1.18	0.87	0.93	0.2	3.18	
134	{ 'Fallout: New Vegas' }				
	{ 'PS3' }	2010	{ 'Role-Playing' }	{ 'Bethesda Softworks' }	
1.52	1.08	0.1	0.47	3.17	
135	{ 'Resident Evil 6' }				
	{ 'PS3' }	2012	{ 'Shooter' }	{ 'Capcom' }	
0.88	0.97	0.88	0.42	3.15	
136	{ 'Halo: The Master Chief Collection' }				
	{ 'XOne' }	2014	{ 'Shooter' }	{ 'Microsoft Game Studios' }	
1.89	0.99	0.03	0.24	3.15	
137	{ 'Heavy Rain' }				
	{ 'PS3' }	2010	{ 'Adventure' }	{ 'Sony Computer Entertainment' }	
1.29	1.27	0.06	0.5	3.12	
138	{ 'Mass Effect 2' }				
	{ 'X360' }	2010	{ 'Role-Playing' }	{ 'Electronic Arts' }	
1.99	0.82	0.03	0.27	3.11	

139	{ 'FIFA 15' }				
0.78	{ 'X360' }	2014	{ 'Sports' }	{ 'Electronic Arts' }	3.11
140	{ 'Borderlands 2' }				
1.89	{ 'X360' }	2012	{ 'Shooter' }	{ 'Take-Two Interactive' }	3.07
141	{ 'The Legend of Zelda: A Link Between Worlds' }				
1.4	{ '3DS' }	2013	{ 'Action' }	{ 'Nintendo' }	3.07
142	{ 'Mass Effect 3' }				
1.94	{ 'X360' }	2012	{ 'Role-Playing' }	{ 'Electronic Arts' }	3.07
143	{ 'Far Cry 3' }				
1.38	{ 'X360' }	2012	{ 'Shooter' }	{ 'Ubisoft' }	3.04
144	{ 'Epic Mickey' }				
2.06	{ 'Wii' }	2010	{ 'Platform' }	{ 'Disney Interactive Studios' }	3.04
145	{ 'Gears of War: Ultimate Edition' }				
2.38	{ 'XOne' }	2015	{ 'Shooter' }	{ 'Microsoft Game Studios' }	3
146	{ 'NBA 2K13' }				
2.6	{ 'X360' }	2012	{ 'Sports' }	{ 'Take-Two Interactive' }	3
147	{ 'Middle-Earth: Shadow of Mordor' }				
1.01	{ 'PS4' }	2014	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }	2.99
148	{ 'Animal Crossing: Happy Home Designer' }				
0.47	{ '3DS' }	2015	{ 'Simulation' }	{ 'Nintendo' }	2.98
149	{ 'Battlefield: Bad Company 2' }				
1.33	{ 'PS3' }	2010	{ 'Shooter' }	{ 'Electronic Arts' }	2.97
150	{ 'The Sims 4' }				
0.96	{ 'PC' }	2014	{ 'Simulation' }	{ 'Electronic Arts' }	2.97
151	{ 'Star Wars: The Old Republic' }				
1.58	{ 'PC' }	2011	{ 'Role-Playing' }	{ 'Electronic Arts' }	2.97
152	{ 'FIFA 14' }				
0.61	{ 'PS4' }	2013	{ 'Sports' }	{ 'Electronic Arts' }	2.9
153	{ 'Titanfall' }				
1.84	{ 'XOne' }	2014	{ 'Shooter' }	{ 'Electronic Arts' }	2.9
154	{ 'Need for Speed: Most Wanted' }				
0.71	{ 'PS3' }	2012	{ 'Racing' }	{ 'Electronic Arts' }	2.89

155	{ 'Zumba Fitness 2'				
}	{ 'Wii' }	2011	{ 'Sports' }	{ 'Majesco Entertainment'	}
1.54	1.07	0	0.28	2.88	
156	{ 'Call of Duty: Ghosts'				
}	{ 'XOne' }	2013	{ 'Shooter' }	{ 'Activision'	}
1.87	0.77	0	0.22	2.86	
157	{ 'Madden NFL 13'				
}	{ 'X360' }	2012	{ 'Sports' }	{ 'Electronic Arts'	}
2.53	0.16	0	0.17	2.86	
158	{ 'Mortal Kombat'				
}	{ 'PS3' }	2011	{ 'Fighting' }	{ 'Warner Bros. Interactive Entertainment'	}
1.98	0.55	0	0.32	2.85	
159	{ 'Skylanders: Spyro's Adventure'				
}	{ 'Wii' }	2011	{ 'Action' }	{ 'Activision'	}
1.4	1.14	0	0.31	2.85	
160	{ 'FIFA 16'				
}	{ 'PS3' }	2015	{ 'Sports' }	{ 'Electronic Arts'	}
0.4	1.98	0.05	0.42	2.85	
161	{ 'Assassin's Creed: Brotherhood'				
}	{ 'PS3' }	2010	{ 'Action' }	{ 'Ubisoft'	}
1.87	0.57	0.11	0.3	2.84	
162	{ 'Medal of Honor'				
}	{ 'PS3' }	2010	{ 'Shooter' }	{ 'Electronic Arts'	}
1.28	1.05	0.07	0.43	2.83	
163	{ 'Need for Speed: Hot Pursuit'				
}	{ 'PS3' }	2010	{ 'Racing' }	{ 'Electronic Arts'	}
1.05	1.25	0.03	0.48	2.81	
164	{ 'Killzone 3'				
}	{ 'PS3' }	2011	{ 'Shooter' }	{ 'Sony Computer Entertainment'	}
1.45	0.88	0.09	0.38	2.79	
165	{ 'Battlefield 3'				
}	{ 'PC' }	2011	{ 'Shooter' }	{ 'Electronic Arts'	}
0.89	1.43	0	0.48	2.79	
166	{ 'Monster Hunter Tri'				
}	{ '3DS' }	2011	{ 'Role-Playing' }	{ 'Nintendo'	}
0.46	0.29	1.96	0.07	2.79	
167	{ 'inFAMOUS: Second Son'				
}	{ 'PS4' }	2014	{ 'Action' }	{ 'Sony Computer Entertainment'	}
1.27	0.97	0.07	0.47	2.78	
168	{ 'Saints Row: The Third'				
}	{ 'X360' }	2011	{ 'Action' }	{ 'THQ'	}
1.25	1.15	0.07	0.3	2.77	
169	{ 'Assassin's Creed IV: Black Flag'				
}	{ 'PS4' }	2013	{ 'Action' }	{ 'Ubisoft'	}
1.07	1.31	0.06	0.31	2.74	
170	{ 'L.A. Noire'				
}	{ 'X360' }	2011	{ 'Adventure' }	{ 'Take-Two Interactive'	}
1.52	0.94	0.02	0.24	2.72	

171	{ 'Mortal Kombat X'				
}	{ 'PS4' }	2015	{ 'Fighting'	}	{ 'Warner Bros. Interactive Entertainment' }
1.47	0.76	0	0.47		2.7
172	{ 'Madden NFL 12'				
}	{ 'X360' }	2011	{ 'Sports'	}	{ 'Electronic Arts' }
2.42	0.11	0	0.16		2.69
173	{ 'Madden NFL 11'				
}	{ 'X360' }	2010	{ 'Sports'	}	{ 'Electronic Arts' }
2.38	0.12	0	0.18		2.69
174	{ 'Mario vs. Donkey Kong: Mini-Land Mayhem!'				
}	{ 'DS' }	2010	{ 'Puzzle'	}	{ 'Nintendo' }
1.63	0.52	0.35	0.18		2.69
175	{ 'Skate 3'				
}	{ 'X360' }	2010	{ 'Sports'	}	{ 'Electronic Arts' }
1.46	0.98	0	0.24		2.68
176	{ 'Yokai Watch 2 Shinuchi'				
}	{ '3DS' }	2014	{ 'Role-Playing'	}	{ 'Level 5' }
0	0	2.68	0		2.68
177	{ 'Final Fantasy XIII-2'				
}	{ 'PS3' }	2011	{ 'Role-Playing'	}	{ 'Square Enix' }
0.78	0.75	0.89	0.26		2.68
178	{ 'Skylanders Giants'				
}	{ 'Wii' }	2012	{ 'Action'	}	{ 'Activision' }
1.56	0.88	0	0.22		2.65
179	{ 'Medal of Honor'				
}	{ 'X360' }	2010	{ 'Shooter'	}	{ 'Electronic Arts' }
1.55	0.81	0.04	0.21		2.62
180	{ 'NBA 2K12'				
}	{ 'X360' }	2011	{ 'Sports'	}	{ 'Take-Two Interactive' }
2.31	0.14	0.01	0.16		2.62
181	{ 'Super Mario All-Stars: Limited Edition'				
}	{ 'Wii' }	2010	{ 'Platform'	}	{ 'Nintendo' }
1.02	0.52	0.92	0.14		2.6
182	{ 'Killzone: Shadow Fall'				
}	{ 'PS4' }	2013	{ 'Shooter'	}	{ 'Sony Computer Entertainment' }
0.89	1.33	0.07	0.28		2.58
183	{ 'Art Academy'				
}	{ 'DS' }	2010	{ 'Misc'	}	{ 'Nintendo' }
0.28	1.68	0.33	0.28		2.57
184	{ 'Madden NFL 13'				
}	{ 'PS3' }	2012	{ 'Sports'	}	{ 'Electronic Arts' }
2.11	0.23	0	0.22		2.56
185	{ 'Tomb Raider (2013)'				
}	{ 'PS3' }	2013	{ 'Action'	}	{ 'Square Enix' }
0.6	1.31	0.08	0.52		2.51
186	{ 'Saints Row: The Third'				
}	{ 'PS3' }	2011	{ 'Action'	}	{ 'THQ' }
0.86	1.06	0.18	0.39		2.49

187	{ 'LEGO Harry Potter: Years 1-4'				
}	{ 'Wii' }	2010	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }	
1.29	0.97	0	0.23	2.49	
188	{ 'NBA 2K13'				
}	{ 'PS3' }	2012	{ 'Sports' }	{ 'Take-Two Interactive' }	
1.72	0.44	0.05	0.27	2.48	
189	{ 'NBA 2K14'				
}	{ 'X360' }	2013	{ 'Sports' }	{ 'Take-Two Interactive' }	
2.1	0.2	0	0.17	2.47	
190	{ 'uDraw Studio'				
}	{ 'Wii' }	2010	{ 'Misc' }	{ 'THQ' }	
1.67	0.58	0	0.2	2.46	
191	{ 'Halo: Combat Evolved Anniversary'				
}	{ 'X360' }	2011	{ 'Shooter' }	{ 'Microsoft Game Studios' }	
1.44	0.73	0.04	0.22	2.44	
192	{ 'pro evolution soccer 2011'				
}	{ 'PS3' }	2010	{ 'Sports' }	{ 'Konami Digital Entertainment' }	
0.29	1.18	0.54	0.41	2.42	
193	{ 'Minecraft'				
}	{ 'XOne' }	2014	{ 'Misc' }	{ 'Microsoft Game Studios' }	
1.43	0.76	0	0.22	2.41	
194	{ 'Madden NFL 16'				
}	{ 'XOne' }	2015	{ 'Sports' }	{ 'Electronic Arts' }	
2.07	0.08	0	0.26	2.4	
195	{ 'Need for Speed (2015)'				
}	{ 'PS4' }	2015	{ 'Racing' }	{ 'Electronic Arts' }	
0.49	1.49	0.05	0.36	2.39	
196	{ 'Zumba Fitness'				
}	{ 'X360' }	2010	{ 'Sports' }	{ '505 Games' }	
1.74	0.48	0	0.18	2.39	
197	{ 'Batman: Arkham Origins'				
}	{ 'PS3' }	2013	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }	
1.07	0.87	0.04	0.4	2.39	
198	{ 'Dead Island'				
}	{ 'X360' }	2011	{ 'Action' }	{ 'Deep Silver' }	
1.48	0.71	0	0.2	2.39	
199	{ 'Kinect: Disneyland Adventures'				
}	{ 'X360' }	2011	{ 'Misc' }	{ 'Microsoft Game Studios' }	
1.73	0.46	0.02	0.18	2.38	
200	{ 'Bloodborne'				
}	{ 'PS4' }	2015	{ 'Action' }	{ 'Sony Computer Entertainment' }	
1	0.76	0.26	0.36	2.38	
201	{ 'NBA 2K15'				
}	{ 'PS4' }	2014	{ 'Sports' }	{ 'Take-Two Interactive' }	
1.46	0.54	0.01	0.37	2.38	
202	{ 'Madden NFL 11'				
}	{ 'PS3' }	2010	{ 'Sports' }	{ 'Electronic Arts' }	
2.04	0.15	0	0.19	2.38	

203	{'Kinect Sports: Season Two'}				
}	{'X360'}	2011	{'Sports'}	}	{'Microsoft Game Studios'}
1.38	0.74	0.02	0.22		2.36
204	{'LEGO Harry Potter: Years 1-4'}				
}	{'DS'}	2010	{'Action'}	}	{'Warner Bros. Interactive Entertainment'}
1.07	1.05	0	0.23		2.35
205	{'Skylanders SWAP Force'}				
}	{'Wii'}	2013	{'Platform'}	}	{'Activision'}
1.32	0.83	0	0.2		2.34
206	{'The Sims 3'}				
}	{'X360'}	2010	{'Simulation'}	}	{'Electronic Arts'}
1.27	0.86	0	0.2		2.33
207	{'The Legend of Zelda: Majora's Mask 3D'}				
}	{'3DS'}	2015	{'Action'}	}	{'Nintendo'}
1.14	0.54	0.47	0.17		2.32
208	{'NBA 2K16'}				
}	{'XOne'}	2015	{'Sports'}	}	{'Take-Two Interactive'}
1.93	0.14	0	0.24		2.32
209	{'Just Dance Kids'}				
}	{'Wii'}	2010	{'Misc'}	}	{'Ubisoft'}
1.57	0.56	0	0.19		2.32
210	{'LEGO Marvel Super Heroes'}				
}	{'X360'}	2013	{'Action'}	}	{'Warner Bros. Interactive Entertainment'}
1.24	0.85	0	0.21		2.3
211	{'Guild Wars 2'}				
}	{'PC'}	2012	{'Action'}	}	{'NCSOFT'}
0.95	1.06	0	0.29		2.3
212	{'Dead Island'}				
}	{'PS3'}	2011	{'Action'}	}	{'Deep Silver'}
1.08	0.75	0.15	0.31		2.29
213	{'God of War: Ascension'}				
}	{'PS3'}	2013	{'Action'}	}	{'Sony Computer Entertainment'}
1.23	0.68	0.04	0.34		2.29
214	{'Just Dance 2015'}				
}	{'Wii'}	2014	{'Misc'}	}	{'Ubisoft'}
1.11	0.98	0	0.2		2.28
215	{'Yokai Watch Busters'}				
}	{'3DS'}	2015	{'Action'}	}	{'Level 5'}
0	0	2.28	0		2.28
216	{'Borderlands 2'}				
}	{'PS3'}	2012	{'Shooter'}	}	{'Take-Two Interactive'}
1.05	0.77	0.1	0.36		2.28
217	{'Paper Mario: Sticker Star'}				
}	{'3DS'}	2012	{'Role-Playing'}	}	{'Nintendo'}
1.12	0.39	0.64	0.12		2.27
218	{'Minecraft'}				
}	{'PSV'}	2014	{'Misc'}	}	{'Sony Computer Entertainment Europe'}
0.28	0.79	0.87	0.32		2.25

219	{ 'Madden NFL 12'				
}	{ 'PS3' }	2011	{ 'Sports' }	{ 'Electronic Arts'	}
1.93	0.15		0	0.17	2.25
220	{ 'New Super Luigi U'				
}	{ 'WiiU' }	2013	{ 'Platform' }	{ 'Nintendo'	}
1.27	0.62		0.18	0.16	2.22
221	{ 'Need for Speed: Hot Pursuit'				
}	{ 'X360' }	2010	{ 'Racing' }	{ 'Electronic Arts'	}
1.03	0.98		0	0.21	2.22
222	{ 'BioShock 2'				
}	{ 'X360' }	2010	{ 'Shooter' }	{ 'Take-Two Interactive'	}
1.45	0.55		0.02	0.19	2.21
223	{ 'Assassin's Creed IV: Black Flag'				
}	{ 'XOne' }	2013	{ 'Action' }	{ 'Ubisoft'	}
1.47	0.55		0	0.19	2.21
224	{ 'Pro Evolution Soccer 2012'				
}	{ 'PS3' }	2011	{ 'Action' }	{ 'Konami Digital Entertainment'	}
0.34	0.97		0.55	0.33	2.19
225	{ 'Hitman: Absolution'				
}	{ 'PS3' }	2012	{ 'Action' }	{ 'Square Enix'	}
0.59	1.07		0.07	0.45	2.19
226	{ 'Forza Motorsport 5'				
}	{ 'XOne' }	2013	{ 'Racing' }	{ 'Microsoft Game Studios'	}
1.21	0.78		0.01	0.17	2.18
227	{ 'Madden NFL 25'				
}	{ 'X360' }	2013	{ 'Sports' }	{ 'Electronic Arts'	}
1.97	0.07		0	0.13	2.18
228	{ 'Final Fantasy XIII'				
}	{ 'X360' }	2010	{ 'Role-Playing' }	{ 'Square Enix'	}
1.27	0.68		0.01	0.2	2.17
229	{ 'Tom Clancy's Rainbow Six: Siege'				
}	{ 'PS4' }	2015	{ 'Shooter' }	{ 'Ubisoft'	}
0.54	1.16		0.13	0.32	2.15
230	{ 'FIFA 15'				
}	{ 'XOne' }	2014	{ 'Sports' }	{ 'Electronic Arts'	}
0.6	1.41		0	0.14	2.15
231	{ 'Far Cry: Primal'				
}	{ 'PS4' }	2016	{ 'Action' }	{ 'Ubisoft'	}
0.59	1.16		0.06	0.33	2.13
232	{ 'Toy Story 3: The Video Game'				
}	{ 'DS' }	2010	{ 'Action' }	{ 'Disney Interactive Studios'	}
0.93	0.97		0.02	0.21	2.12
233	{ 'Kirby's Epic Yarn'				
}	{ 'Wii' }	2010	{ 'Platform' }	{ 'Nintendo'	}
1.47	0.09		0.45	0.11	2.12
234	{ 'NBA 2K12'				
}	{ 'PS3' }	2011	{ 'Sports' }	{ 'Take-Two Interactive'	}
1.61	0.27		0.05	0.18	2.11

235	{ 'Mario Sports Mix' }				
0.9	{ 'Wii' }	2010	{ 'Sports' }	{ 'Nintendo' }	
	0.45		0.63	0.13	2.11
236	{ 'Mortal Kombat' }				
1.63	{ 'X360' }	2011	{ 'Fighting' }	{ 'Warner Bros. Interactive Entertainment' }	
	0.33		0	0.15	2.11
237	{ 'Portal 2' }				
1.41	{ 'X360' }	2011	{ 'Shooter' }	{ 'Valve Software' }	
	0.51		0.01	0.17	2.1
238	{ 'NBA 2K11' }				
1.84	{ 'X360' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }	
	0.12		0.01	0.13	2.09
239	{ 'Battlefield: Hardline' }				
0.7	{ 'PS4' }	2015	{ 'Shooter' }	{ 'Electronic Arts' }	
	0.93		0.14	0.32	2.09
240	{ 'Metal Gear Solid: Peace Walker' }				
0.46	{ 'PSP' }	2010	{ 'Action' }	{ 'Konami Digital Entertainment' }	
	0.42		0.96	0.25	2.09
241	{ 'World of Warcraft: Cataclysm' }				
1.77	{ 'PC' }	2010	{ 'Role-Playing' }	{ 'Activision' }	
	0.32		0	0	2.08
242	{ 'Ghostbusters: The Video Game (DS Version)' }				
0.59	{ 'PS3' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }	
	0.99		0.13	0.36	2.08
243	{ 'Skate 3' }				
0.79	{ 'PS3' }	2010	{ 'Sports' }	{ 'Electronic Arts' }	
	0.94		0	0.35	2.08
244	{ 'Kingdom Hearts: Birth by Sleep' }				
0.63	{ 'PSP' }	2010	{ 'Role-Playing' }	{ 'Square Enix' }	
	0.42		0.75	0.26	2.07
245	{ 'Dark Souls' }				
0.75	{ 'PS3' }	2011	{ 'Role-Playing' }	{ 'Namco Bandai Games' }	
	0.54		0.54	0.23	2.07
246	{ 'The Sims 3' }				
0.73	{ 'PS3' }	2010	{ 'Simulation' }	{ 'Electronic Arts' }	
	0.97		0.02	0.34	2.06
247	{ 'Tom Clancy's Splinter Cell: Conviction' }				
1.2	{ 'X360' }	2010	{ 'Action' }	{ 'Ubisoft' }	
	0.63		0.04	0.19	2.06
248	{ 'Mario & Luigi: Dream Team' }				
0.89	{ '3DS' }	2013	{ 'Role-Playing' }	{ 'Nintendo' }	
	0.57		0.46	0.13	2.06
249	{ 'NBA 2K14' }				
1.43	{ 'PS3' }	2013	{ 'Sports' }	{ 'Take-Two Interactive' }	
	0.33		0.04	0.25	2.05
250	{ 'Diablo III' }				
0.71	{ 'PS3' }	2013	{ 'Role-Playing' }	{ 'Activision' }	
	0.83		0.15	0.35	2.05

251	{ 'Dance Central 2'				
}	{ 'X360' }	2011	{ 'Misc' }	{ 'Microsoft Game Studios'	}
1.45	0.42		0.01	0.16	2.04
252	{ 'Need for Speed: The Run'				
}	{ 'PS3' }	2011	{ 'Action' }	{ 'Electronic Arts'	}
0.58	1.06		0.03	0.37	2.04
253	{ 'Madden NFL 15'				
}	{ 'PS4' }	2014	{ 'Sports' }	{ 'Electronic Arts'	}
1.53	0.25		0	0.25	2.03
254	{ 'Just Dance 3'				
}	{ 'X360' }	2011	{ 'Misc' }	{ 'Ubisoft'	}
1.47	0.4		0	0.16	2.03
255	{ 'Madden NFL 15'				
}	{ 'X360' }	2014	{ 'Sports' }	{ 'Electronic Arts'	}
1.76	0.09		0	0.17	2.02
256	{ 'Forza Horizon'				
}	{ 'X360' }	2012	{ 'Racing' }	{ 'Microsoft Game Studios'	}
0.82	0.98		0.04	0.18	2.02
257	{ 'Tom Clancy's The Division'				
}	{ 'XOne' }	2016	{ 'Shooter' }	{ 'Ubisoft'	}
1.2	0.62		0	0.18	2.01
258	{ 'LEGO Marvel Super Heroes'				
}	{ 'PS3' }	2013	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment'	}
0.77	0.85		0.01	0.37	2
259	{ 'Fire Emblem: Awakening'				
}	{ '3DS' }	2012	{ 'Role-Playing' }	{ 'Nintendo'	}
0.89	0.45		0.53	0.13	2
260	{ 'DriveClub'				
}	{ 'PS4' }	2014	{ 'Racing' }	{ 'Sony Computer Entertainment'	}
0.35	1.31		0.02	0.33	2
261	{ 'Battlefield 4'				
}	{ 'XOne' }	2013	{ 'Shooter' }	{ 'Electronic Arts'	}
1.25	0.58		0	0.16	1.98
262	{ 'Resident Evil 6'				
}	{ 'X360' }	2012	{ 'Shooter' }	{ 'Capcom'	}
1.11	0.63		0.07	0.16	1.98
263	{ 'Dragon Age: Inquisition'				
}	{ 'PS4' }	2014	{ 'Role-Playing' }	{ 'Electronic Arts'	}
0.72	0.86		0.08	0.32	1.97
264	{ 'Sonic Classic Collection'				
}	{ 'DS' }	2010	{ 'Platform' }	{ 'Sega'	}
0.99	0.8		0	0.18	1.97
265	{ 'BioShock Infinite'				
}	{ 'X360' }	2013	{ 'Shooter' }	{ 'Take-Two Interactive'	}
1.22	0.57		0.02	0.15	1.96
266	{ 'Destiny'				
}	{ 'X360' }	2014	{ 'Shooter' }	{ 'Activision'	}
1.3	0.49		0	0.16	1.95

267	{'Batman: Arkham Origins'				
}	{'X360' }	2013	{'Action' }	{'Warner Bros. Interactive Entertainment'}	
1.15	0.61	0	0.17	1.93	
268	{'Watch Dogs'				
}	{'PS3' }	2014	{'Action' }	{'Ubisoft' }	
0.56	0.89	0.1	0.37	1.93	
269	{'Tomb Raider (2013)'				
}	{'X360' }	2013	{'Action' }	{'Square Enix' }	
0.86	0.87	0.01	0.17	1.92	
270	{'Destiny: The Taken King'				
}	{'PS4' }	2015	{'Shooter' }	{'Activision' }	
0.77	0.78	0.04	0.31	1.91	
271	{'LEGO Star Wars III: The Clone Wars'				
}	{'Wii' }	2011	{'Action' }	{'LucasArts' }	
1.08	0.66	0	0.17	1.91	
272	{'Max Payne 3'				
}	{'PS3' }	2012	{'Shooter' }	{'Take-Two Interactive' }	
0.59	0.92	0.06	0.32	1.9	
273	{'Need for Speed Rivals'				
}	{'PS4' }	2013	{'Racing' }	{'Electronic Arts' }	
0.73	0.91	0.03	0.22	1.89	
274	{'Yokai Watch'				
}	{'3DS' }	2013	{'Role-Playing' }	{'Nintendo' }	
0.21	0.3	1.33	0.04	1.89	
275	{'Donkey Kong Country Returns'				
}	{'3DS' }	2013	{'Platform' }	{'Nintendo' }	
0.73	0.62	0.4	0.12	1.87	
276	{'LittleBigPlanet 3'				
}	{'PS4' }	2014	{'Platform' }	{'Sony Computer Entertainment' }	
0.64	0.92	0.01	0.29	1.86	
277	{'GoldenEye 007 (2010)'				
}	{'Wii' }	2010	{'Action' }	{'Activision' }	
0.85	0.71	0.13	0.16	1.86	
278	{'Mario Party: Island Tour'				
}	{'3DS' }	2013	{'Misc' }	{'Nintendo' }	
0.61	0.59	0.55	0.11	1.85	
279	{'inFAMOUS 2'				
}	{'PS3' }	2011	{'Action' }	{'Sony Computer Entertainment' }	
1.05	0.49	0.08	0.23	1.85	
280	{'World of Warcraft: Mists of Pandaria'				
}	{'PC' }	2012	{'Role-Playing' }	{'Activision' }	
0.84	0.76	0	0.23	1.83	
281	{'Just Cause 3'				
}	{'PS4' }	2015	{'Action' }	{'Square Enix' }	
0.46	1.02	0.07	0.28	1.83	
282	{'Kirby: Triple Deluxe'				
}	{'3DS' }	2014	{'Platform' }	{'Nintendo' }	
0.61	0.34	0.79	0.09	1.82	

283	{ 'Dragon Quest VI: Realms of Revelation'				
}	{ 'DS' }	2010	{ 'Role-Playing' }	{ 'Nintendo'	}
0.22	0.21	1.35	0.03	1.81	
284	{ 'The Evil Within'				
}	{ 'PS4' }	2014	{ 'Action' }	{ 'Bethesda Softworks'	}
0.55	0.84	0.11	0.31	1.81	
285	{ 'NBA 2K11'				
}	{ 'PS3' }	2010	{ 'Action' }	{ 'Take-Two Interactive'	}
1.41	0.21	0.03	0.16	1.8	
286	{ 'Call of Duty: Black Ops 3'				
}	{ 'PS3' }	2015	{ 'Shooter' }	{ 'Activision'	}
0.49	0.96	0.07	0.27	1.79	
287	{ 'Beyond: Two Souls'				
}	{ 'PS3' }	2013	{ 'Adventure' }	{ 'Sony Computer Entertainment'	}
0.52	0.88	0.06	0.34	1.79	
288	{ 'Kinect Star Wars'				
}	{ 'X360' }	2012	{ 'Action' }	{ 'Microsoft Game Studios'	}
1.05	0.57	0.03	0.14	1.78	
289	{ 'Professor Layton and the Mask of Miracle'				
}	{ '3DS' }	2011	{ 'Puzzle' }	{ 'Nintendo'	}
0.32	0.95	0.36	0.14	1.78	
290	{ 'Just Cause 2'				
}	{ 'PS3' }	2010	{ 'Action' }	{ 'Square Enix'	}
0.45	0.94	0.06	0.33	1.78	
291	{ 'Dragon's Dogma'				
}	{ 'PS3' }	2012	{ 'Role-Playing' }	{ 'Capcom'	}
0.41	0.46	0.72	0.19	1.78	
292	{ 'The Legend of Zelda: The Wind Waker'				
}	{ 'WiiU' }	2013	{ 'Action' }	{ 'Nintendo'	}
0.93	0.57	0.14	0.13	1.77	
293	{ 'Wii Party U'				
}	{ 'WiiU' }	2013	{ 'Misc' }	{ 'Nintendo'	}
0.31	0.54	0.84	0.08	1.77	
294	{ 'Madden NFL 25'				
}	{ 'PS3' }	2013	{ 'Sports' }	{ 'Electronic Arts'	}
1.59	0.03	0	0.15	1.77	
295	{ 'BioShock Infinite'				
}	{ 'PS3' }	2013	{ 'Shooter' }	{ 'Take-Two Interactive'	}
0.72	0.69	0.04	0.31	1.76	
296	{ 'Hitman: Absolution'				
}	{ 'X360' }	2012	{ 'Action' }	{ 'Square Enix'	}
0.68	0.9	0.01	0.17	1.76	
297	{ 'Call of Duty: Black Ops 3'				
}	{ 'X360' }	2015	{ 'Shooter' }	{ 'Activision'	}
1.11	0.48	0	0.16	1.76	
298	{ 'Kingdom Hearts'				
}	{ 'PS3' }	2013	{ 'Role-Playing' }	{ 'Square Enix'	}
0.9	0.37	0.25	0.24	1.75	

299	{ 'Portal 2' }	{ 'PS3' }	2011	{ 'Shooter' }	{ 'Valve' }	}
0.83	0.63	0.02	0.25	1.74		
300	{ 'Forza Motorsport 6' }	{ 'XOne' }	2015	{ 'Racing' }	{ 'Microsoft Game Studios' }	}
0.69	0.89	0.03	0.14	1.74		
301	{ 'Sonic Colors' }	{ 'Wii' }	2010	{ 'Platform' }	{ 'Sega' }	}
0.96	0.61	0.01	0.16	1.74		
302	{ 'Diablo III' }	{ 'PS4' }	2014	{ 'Role-Playing' }	{ 'Activision' }	}
0.49	0.88	0.06	0.3	1.74		
303	{ 'Uncharted: Golden Abyss' }	{ 'PSV' }	2011	{ 'Shooter' }	{ 'Sony Computer Entertainment' }	}
0.59	0.75	0.13	0.27	1.74		
304	{ 'Destiny' }	{ 'PS3' }	2014	{ 'Shooter' }	{ 'Activision' }	}
0.67	0.66	0.12	0.27	1.73		
305	{ 'Overwatch' }	{ 'PS4' }	2016	{ 'Shooter' }	{ 'Activision' }	}
0.64	0.68	0.14	0.26	1.73		
306	{ 'Disney Infinity' }	{ 'Wii' }	2013	{ 'Action' }	{ 'Disney Interactive Studios' }	}
1.15	0.44	0	0.14	1.73		
307	{ 'Dishonored' }	{ 'X360' }	2012	{ 'Action' }	{ 'Bethesda Softworks' }	}
1.06	0.52	0.01	0.14	1.73		
308	{ 'The Order: 1886' }	{ 'PS4' }	2015	{ 'Shooter' }	{ 'Sony Computer Entertainment' }	}
0.61	0.78	0.06	0.27	1.72		
309	{ 'The Elder Scrolls Online' }	{ 'PS4' }	2015	{ 'Role-Playing' }	{ 'Bethesda Softworks' }	}
0.66	0.78	0	0.28	1.72		
310	{ 'Call of Duty: Modern Warfare 3' }	{ 'PC' }	2011	{ 'Shooter' }	{ 'Activision' }	}
0.41	0.98	0	0.33	1.72		
311	{ 'The Sims 3: Late Night Expansion Pack' }	{ 'PC' }	2010	{ 'Simulation' }	{ 'Electronic Arts' }	}
0.59	0.87	0	0.25	1.71		
312	{ 'The Crew' }	{ 'PS4' }	2014	{ 'Racing' }	{ 'Ubisoft' }	}
0.34	1.08	0.03	0.26	1.7		
313	{ 'Kirby's Return to Dreamland' }	{ 'Wii' }	2011	{ 'Platform' }	{ 'Nintendo' }	}
0.62	0.21	0.79	0.08	1.7		
314	{ 'NBA 2K15' }	{ 'XOne' }	2014	{ 'Sports' }	{ 'Take-Two Interactive' }	}
1.36	0.18	0	0.15	1.69		

315	{ 'Saints Row IV'				
}	{ 'X360' }	2013	{ 'Action' }	{ 'Deep Silver'	}
1.01	0.53	0.01	0.14	1.69	
316	{ 'FIFA 16'				
}	{ 'X360' }	2015	{ 'Sports' }	{ 'Electronic Arts'	}
0.55	1.01	0	0.13	1.69	
317	{ 'Sid Meier's Civilization V'				
}	{ 'PC' }	2010	{ 'Strategy' }	{ 'Take-Two Interactive'	}
0.98	0.52	0	0.19	1.69	
318	{ 'Call of Duty Black Ops: Declassified'				
}	{ 'PSV' }	2012	{ 'Action' }	{ 'Activision'	}
0.8	0.52	0.07	0.3	1.69	
319	{ 'LEGO Batman 2: DC Super Heroes'				
}	{ 'X360' }	2012	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment'	}
0.9	0.64	0	0.15	1.68	
320	{ 'Knack'				
}	{ 'PS4' }	2013	{ 'Platform' }	{ 'Sony Computer Entertainment Europe'	}
0.43	0.67	0.42	0.15	1.67	
321	{ 'StarCraft II: Heart of the Swarm'				
}	{ 'PC' }	2013	{ 'Strategy' }	{ 'Activision'	}
0.82	0.65	0	0.19	1.67	
322	{ 'Dying Light'				
}	{ 'PS4' }	2015	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment'	}
0.63	0.66	0.11	0.26	1.66	
323	{ 'Max Payne 3'				
}	{ 'X360' }	2012	{ 'Shooter' }	{ 'Take-Two Interactive'	}
0.86	0.64	0.01	0.14	1.66	
324	{ 'Go Vacation'				
}	{ 'Wii' }	2011	{ 'Misc' }	{ 'Namco Bandai Games'	}
0.48	0.68	0.33	0.16	1.65	
325	{ 'LEGO Pirates of the Caribbean: The Video Game'				
}	{ 'Wii' }	2011	{ 'Action' }	{ 'Disney Interactive Studios'	}
0.76	0.72	0	0.16	1.64	
326	{ 'Kinectimals'				
}	{ 'X360' }	2010	{ 'Simulation' }	{ 'Microsoft Game Studios'	}
1.02	0.48	0	0.14	1.64	
327	{ 'Until Dawn'				
}	{ 'PS4' }	2015	{ 'Adventure' }	{ 'Sony Computer Entertainment Europe'	}
0.44	0.89	0.05	0.25	1.64	
328	{ 'Sonic Generations'				
}	{ 'PS3' }	2011	{ 'Platform' }	{ 'Sega'	}
0.6	0.73	0.02	0.28	1.63	
329	{ 'NBA 2K15'				
}	{ 'X360' }	2014	{ 'Sports' }	{ 'Take-Two Interactive'	}
1.33	0.14	0	0.15	1.63	
330	{ 'Just Cause 2'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'Square Enix'	}
0.59	0.85	0.02	0.17	1.62	

331	{ 'Rage'				
}	{ 'X360' }	2011	{ 'Shooter' }	{ 'Bethesda Softworks' }	
0.82	0.61		0.03 0.15	1.62	
332	{ 'Gears of War: Judgment'				
}	{ 'X360' }	2013	{ 'Shooter' }	{ 'Microsoft Game Studios' }	
0.92	0.53		0.03 0.13	1.61	
333	{ 'Far Cry 4'				
}	{ 'XOne' }	2014	{ 'Shooter' }	{ 'Ubisoft' }	
0.79	0.68		0.01 0.13	1.61	
334	{ 'Moshi Monsters: Moshling Zoo'				
}	{ 'DS' }	2011	{ 'Misc' }	{ 'Activision' }	
0.4	0.99		0 0.22	1.6	
335	{ 'No Man's Sky'				
}	{ 'PS4' }	2016	{ 'Action' }	{ 'Hello Games' }	
0.58	0.74		0.02 0.26	1.6	
336	{ 'LEGO Harry Potter: Years 1-4'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }	
0.95	0.5		0 0.14	1.59	
337	{ 'Wolfenstein: The New Order'				
}	{ 'PS4' }	2014	{ 'Shooter' }	{ 'Bethesda Softworks' }	
0.47	0.8		0.03 0.29	1.58	
338	{ 'Need for Speed: Most Wanted'				
}	{ 'X360' }	2012	{ 'Racing' }	{ 'Electronic Arts' }	
0.62	0.8		0.01 0.15	1.58	
339	{ 'Kingdom Hearts 3D: Dream Drop Distance'				
}	{ '3DS' }	2012	{ 'Action' }	{ 'Square Enix' }	
0.88	0.26		0.34 0.09	1.58	
340	{ 'Pro Evolution Soccer 2013'				
}	{ 'PS3' }	2012	{ 'Sports' }	{ 'Konami Digital Entertainment' }	
0.18	0.64		0.49 0.25	1.56	
341	{ 'Dark Souls III'				
}	{ 'PS4' }	2016	{ 'Role-Playing' }	{ 'Namco Bandai Games' }	
0.58	0.44		0.33 0.21	1.56	
342	{ 'LEGO Marvel Super Heroes'				
}	{ 'PS4' }	2013	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment' }	
0.59	0.75		0.01 0.21	1.56	
343	{ 'Mafia II'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }	
0.84	0.56		0 0.15	1.55	
344	{ 'Dishonored'				
}	{ 'PS3' }	2012	{ 'Action' }	{ 'Bethesda Softworks' }	
0.72	0.54		0.04 0.25	1.55	
345	{ 'BioShock 2'				
}	{ 'PS3' }	2010	{ 'Shooter' }	{ 'Take-Two Interactive' }	
0.85	0.47		0.02 0.22	1.55	
346	{ 'Watch Dogs'				
}	{ 'XOne' }	2014	{ 'Action' }	{ 'Ubisoft' }	
0.9	0.53		0 0.13	1.55	

347	{ 'Star Wars: The Force Unleashed II'				
}	{ 'PS3' }	2010	{ 'Action' }	{ 'LucasArts' }	}
0.8	0.53	0	0.22	1.55	
348	{ 'Ni no Kuni: Wrath of the White Witch'				
}	{ 'PS3' }	2011	{ 'Role-Playing' }	{ 'Namco Bandai Games' }	}
0.6	0.51	0.21	0.23	1.55	
349	{ 'LEGO Battles: Ninjago'				
}	{ 'DS' }	2011	{ 'Strategy' }	{ 'Warner Bros. Interactive Entertainment' }	}
1.07	0.36	0	0.12	1.55	
350	{ 'Mario Party 10'				
}	{ 'WiiU' }	2015	{ 'Misc' }	{ 'Nintendo' }	}
0.69	0.5	0.24	0.11	1.55	
351	{ 'Dead Rising 3'				
}	{ 'XOne' }	2013	{ 'Action' }	{ 'Microsoft Game Studios' }	}
1.06	0.35	0.01	0.12	1.54	
352	{ 'Fire Emblem Fates'				
}	{ '3DS' }	2015	{ 'Role-Playing' }	{ 'Nintendo' }	}
0.71	0.22	0.52	0.1	1.54	
353	{ 'Call of Duty: Black Ops II'				
}	{ 'PC' }	2012	{ 'Shooter' }	{ 'Activision' }	}
0.63	0.69	0	0.21	1.53	
354	{ 'FIFA 17'				
}	{ 'XOne' }	2016	{ 'Sports' }	{ 'Electronic Arts' }	}
0.17	1.26	0	0.1	1.53	
355	{ 'Donkey Kong Country: Tropical Freeze'				
}	{ 'WiiU' }	2014	{ 'Platform' }	{ 'Nintendo' }	}
0.73	0.52	0.15	0.12	1.52	
356	{ 'Dead Space 2'				
}	{ 'X360' }	2011	{ 'Shooter' }	{ 'Electronic Arts' }	}
0.94	0.45	0	0.13	1.52	
357	{ 'Mafia II'				
}	{ 'PS3' }	2010	{ 'Action' }	{ 'Take-Two Interactive' }	}
0.5	0.72	0.04	0.26	1.52	
358	{ 'Madden NFL 15'				
}	{ 'XOne' }	2014	{ 'Sports' }	{ 'Electronic Arts' }	}
1.3	0.09	0	0.12	1.51	
359	{ 'Sonic & Sega All-Stars Racing'				
}	{ 'Wii' }	2010	{ 'Racing' }	{ 'Sega' }	}
0.65	0.71	0	0.15	1.51	
360	{ 'LEGO Star Wars III: The Clone Wars'				
}	{ 'X360' }	2011	{ 'Action' }	{ 'LucasArts' }	}
0.84	0.54	0	0.13	1.51	
361	{ 'Football Manager 2012'				
}	{ 'PC' }	2011	{ 'Sports' }	{ 'Sega' }	}
0.02	1.16	0	0.34	1.51	
362	{ 'Puzzle & Dragons'				
}	{ '3DS' }	2013	{ 'Role-Playing' }	{ 'GungHo' }	}
0	0	1.51	0	1.51	

363	{ 'Resistance 3'				
}	{ 'PS3' }	2011	{ 'Shooter' }	{ 'Sony Computer Entertainment'	}
0.64	0.58	0.05	0.23	1.5	
364	{ 'Final Fantasy XIV: A Realm Reborn'				
}	{ 'PC' }	2010	{ 'Role-Playing' }	{ 'Square Enix'	}
0.86	0.48	0	0.17	1.5	
365	{ 'Super Scribblenauts'				
}	{ 'DS' }	2010	{ 'Puzzle' }	{ 'Warner Bros. Interactive Entertainment'	}
1.08	0.31	0	0.11	1.5	
366	{ 'Dead Rising 2'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'Capcom'	}
0.75	0.53	0.09	0.12	1.5	
367	{ 'The Sims 3'				
}	{ 'Wii' }	2010	{ 'Simulation' }	{ 'Electronic Arts'	}
0.61	0.73	0	0.15	1.49	
368	{ 'Mass Effect 2'				
}	{ 'PS3' }	2011	{ 'Role-Playing' }	{ 'Electronic Arts'	}
0.78	0.47	0.03	0.2	1.48	
369	{ 'Assassin's Creed III: Liberation'				
}	{ 'PSV' }	2012	{ 'Action' }	{ 'Ubisoft'	}
0.58	0.55	0.06	0.28	1.47	
370	{ 'Metal Gear Rising: Revengeance'				
}	{ 'PS3' }	2013	{ 'Action' }	{ 'Konami Digital Entertainment'	}
0.45	0.4	0.44	0.18	1.47	
371	{ 'Star Wars: The Force Unleashed II'				
}	{ 'X360' }	2010	{ 'Action' }	{ 'LucasArts'	}
0.95	0.4	0	0.12	1.47	
372	{ 'LittleBigPlanet PS Vita'				
}	{ 'PSV' }	2012	{ 'Platform' }	{ 'Sony Computer Entertainment'	}
0.4	0.72	0.02	0.33	1.47	
373	{ 'Tom Clancy's Ghost Recon: Future Soldier'				
}	{ 'X360' }	2012	{ 'Shooter' }	{ 'Ubisoft'	}
0.93	0.4	0.02	0.12	1.46	
374	{ 'Homefront'				
}	{ 'X360' }	2011	{ 'Shooter' }	{ 'THQ'	}
0.83	0.48	0.02	0.12	1.46	
375	{ 'Mass Effect 3'				
}	{ 'PS3' }	2012	{ 'Role-Playing' }	{ 'Electronic Arts'	}
0.63	0.59	0.03	0.21	1.46	
376	{ 'LEGO Batman 2: DC Super Heroes'				
}	{ 'Wii' }	2012	{ 'Action' }	{ 'Warner Bros. Interactive Entertainment'	}
0.94	0.4	0	0.11	1.46	
377	{ 'Medal of Honor: Warfighter'				
}	{ 'PS3' }	2012	{ 'Action' }	{ 'Electronic Arts'	}
0.47	0.65	0.06	0.28	1.46	
378	{ 'LEGO City Undercover'				
}	{ '3DS' }	2013	{ 'Platform' }	{ 'Nintendo'	}
0.51	0.75	0.07	0.12	1.46	

379	{'Diablo III'				
}	{'X360'}	2013	{'Role-Playing'}	{'Activision'	}
0.89	0.44	0	0.12	1.45	
380	{'Batman: Arkham Knight'				
}	{'XOne'}	2015	{'Action'}	{'Warner Bros. Interactive Entertainment'}	}
0.86	0.46	0	0.13	1.45	
381	{'Anno 2070'				
}	{'PC'}	2011	{'Strategy'}	{'Ubisoft'	}
0	1.13	0	0.32	1.45	
382	{'Dragon Quest Monsters: Joker 2'				
}	{'DS'}	2010	{'Role-Playing'}	{'Square Enix'	}
0.11	0.08	1.24	0.02	1.45	
383	{'SimCity (2013)'				
}	{'PC'}	2013	{'Simulation'}	{'Electronic Arts'	}
0.48	0.77	0	0.19	1.44	
384	{'Far Cry 4'				
}	{'PS3'}	2014	{'Shooter'}	{'Ubisoft'	}
0.33	0.79	0.08	0.23	1.44	
385	{'Kinect Joy Ride'				
}	{'X360'}	2010	{'Racing'}	{'Microsoft Game Studios'	}
0.92	0.4	0	0.12	1.44	
386	{'Need for Speed Rivals'				
}	{'PS3'}	2013	{'Racing'}	{'Electronic Arts'	}
0.33	0.74	0.05	0.31	1.44	
387	{'Dead Space 2'				
}	{'PS3'}	2011	{'Shooter'}	{'Electronic Arts'	}
0.73	0.5	0	0.21	1.44	
388	{'Disney Infinity'				
}	{'X360'}	2013	{'Action'}	{'Disney Interactive Studios'	}
0.96	0.37	0	0.11	1.43	
389	{'Dragon Quest VII: Warriors of Eden'				
}	{'3DS'}	2013	{'Role-Playing'}	{'Square Enix'	}
0.07	0.04	1.3	0.01	1.42	
390	{'UFC Undisputed 2010'				
}	{'PS3'}	2010	{'Fighting'}	{'THQ'	}
0.8	0.41	0.02	0.19	1.42	
391	{'Sonic Generations'				
}	{'X360'}	2011	{'Platform'}	{'Sega'	}
0.71	0.57	0	0.14	1.42	
392	{'Tomb Raider (2013)'				
}	{'PS4'}	2014	{'Action'}	{'Square Enix'	}
0.47	0.64	0.06	0.25	1.41	
393	{'Toy Story 3: The Video Game'				
}	{'Wii'}	2010	{'Action'}	{'Disney Interactive Studios'	}
0.64	0.63	0	0.14	1.41	
394	{'Injustice: Gods Among Us'				
}	{'X360'}	2013	{'Fighting'}	{'Warner Bros. Interactive Entertainment'}	}
0.97	0.34	0	0.11	1.41	

395	{'Madden NFL 15'				
}	{'PS3' }	2014	{'Sports' }	{'Electronic Arts'	}
1.07	0.15	0	0.19	1.41	
396	{'Metroid: Other M'				
}	{'Wii' }	2010	{'Action' }	{'Nintendo'	}
0.87	0.31	0.13	0.1	1.41	
397	{'Call of Duty: Black Ops'				
}	{'Wii' }	2010	{'Shooter' }	{'Activision'	}
0.82	0.47	0	0.12	1.4	
398	{'Battlefield 4'				
}	{'PC' }	2013	{'Shooter' }	{'Electronic Arts'	}
0.38	0.86	0	0.16	1.4	
399	{'Doom (2016)'				
}	{'PS4' }	2016	{'Shooter' }	{'Bethesda Softworks'	}
0.49	0.66	0.02	0.22	1.39	
400	{'Deus Ex: Human Revolution'				
}	{'PS3' }	2011	{'Shooter' }	{'Square Enix'	}
0.5	0.6	0.07	0.23	1.39	
401	{'WWE '13'				
}	{'PS3' }	2012	{'Action' }	{'THQ'	}
0.51	0.62	0	0.26	1.39	
402	{'Deus Ex: Human Revolution'				
}	{'X360' }	2011	{'Shooter' }	{'Square Enix'	}
0.76	0.48	0.02	0.12	1.39	
403	{'Bravely Default: Flying Fairy'				
}	{'3DS' }	2012	{'Role-Playing' }	{'Nintendo'	}
0.5	0.32	0.49	0.07	1.38	
404	{'Titanfall'				
}	{'X360' }	2014	{'Shooter' }	{'Electronic Arts'	}
0.87	0.38	0.02	0.11	1.38	
405	{'Persona 4: Golden'				
}	{'PSV' }	2012	{'Role-Playing' }	{'Atlus'	}
0.46	0.34	0.38 ...			

2.2.1.2 Separating data for each year into different tables

```
vg_2010 = vgmain(vgmain.Year == 2010, :);
vg_2011 = vgmain(vgmain.Year == 2011, :);
vg_2012 = vgmain(vgmain.Year == 2012, :);
vg_2013 = vgmain(vgmain.Year == 2013, :);
vg_2014 = vgmain(vgmain.Year == 2014, :);
vg_2015 = vgmain(vgmain.Year == 2015, :);
vg_2016 = vgmain(vgmain.Year == 2016, :);
vg_2017 = vgmain(vgmain.Year == 2017, :);
```

2.2.1.3 Constructing structural arrays for each year

```
vg_a_2010 = table2struct(vg_2010);
```

```

vg_a_2011 = table2struct(vg_2011);
vg_a_2012 = table2struct(vg_2012);
vg_a_2013 = table2struct(vg_2013);
vg_a_2014 = table2struct(vg_2014);
vg_a_2015 = table2struct(vg_2015);
vg_a_2016 = table2struct(vg_2016);
vg_a_2017 = table2struct(vg_2017);

```

2.2.1.4 Converting the arrays into tables for export

```

vg_2_2010 = struct2table(vg_a_2010);
vg_2_2011 = struct2table(vg_a_2011);
vg_2_2012 = struct2table(vg_a_2012);
vg_2_2013 = struct2table(vg_a_2013);
vg_2_2014 = struct2table(vg_a_2014);
vg_2_2015 = struct2table(vg_a_2015);
vg_2_2016 = struct2table(vg_a_2016);
vg_2_2017 = struct2table(vg_a_2017);

```

2.2.1.5 Output of each of the variables into a single workbook with each year on separate worksheets

```

writetable(vg_2_2010, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2010", "WriteVariableNames", true);
writetable(vg_2_2011, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2011", "WriteVariableNames", true);
writetable(vg_2_2012, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2012", "WriteVariableNames", true);
writetable(vg_2_2013, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2013", "WriteVariableNames", true);
writetable(vg_2_2014, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2014", "WriteVariableNames", true);
writetable(vg_2_2015, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2015", "WriteVariableNames", true);
writetable(vg_2_2016, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2016", "WriteVariableNames", true);
writetable(vg_2_2017, "ASSIGNMENT_TABLE.xlsx", "Sheet", "2017", "WriteVariableNames", true);

```

2.3 DISCUSSION TWO.

2.3.1 Steps involved.

Step1; open and launch MATLAB

Step 2; click on new script to open editor

Step 3; acquiring each member's affirmative information

Step 4; generating a MATLAB code that can store each member's attributes like age, date of birth, district etc. as a table variable

Step 5; run the achieved code in MATLAB as shown below.

Step 6; Save the table variable

2.3.2 Table to input Group F Student data

2.3.2.1 Input of data

```
NAME = ["AGABA JOSHUA"; "WASSWA FRANCIS"; "OBBO DANIEL BENJAMIN"; "MBABAZI  
BLESSING GILLIAN"; "NANDERA JULIET"; "ATWINE SANDRAH"; "IWASAMPIJJA MIKE  
CRISPUS"; "TANGA RIGAN"; "WANDABWA ELVIS"; "WAMBWA DERRIKC"; "OGWANG EMMANUEL";  
"ABESIGA KEITH ADAMS"; "BUSUULWA HASSAN"; "ISABIRIYE EDMOND"; "ONANYANG  
FRANCIS"; "NTALE JOASH KATEREGA"];  
TRIBAL_BACKGROUND = ["MUGISU"; "MUGANDA"; "JAPADHOLA"; "MUFIMBIRA"; "MUNYORE";  
"MUNYANKORE"; "MUGANDA"; "SAMIA"; "MUGISU"; "MUGISU"; "LANGI"; "MUNYANKOLE";  
"MUGANDA"; "MUSOGA"; "ITESOT"; "MUGANDA"];  
HOME_DISTRICT = ["BUDUDA"; "WAKISO"; "TORORO"; "NTUNGAMO"; "BUGIRI";  
"BUHWEHJU"; "BUKOMANSIMBI"; "BUSIA"; "BUKUSU"; "NAMISIDWA"; "LIRA"; "RUKUNGIRI";  
"WAKISO"; "IGANGA"; "KUMI"; "LUWEERO"];  
RELIGION = ["BORN AGAIN"; "CATHOLIC"; "CATHOLIC"; "CATHOLIC"; "ANGLICAN";  
"ANGLICAN"; "ANGLICAN"; "BORN AGAIN"; "NIL"; "CATHOLIC"; "SDA"; "PENTECOSTAL";  
"ATR"; "CATHOLIC"; "ANGLICAN"; "ANGLICAN"];  
COURSE = ["WAR"; "APE"; "WAR"; "PTI"; "WAR"; "MEB"; "AMI"; "WAR"; "WAR"; "WAR";  
"WAR"; "AMI"; "AMI"; "AMI"; "WAR"; "WAR"];  
INTERESTS = ["BADMINTON"; "DRIVING"; "GYMING"; "EATING"; "MONEY"; "READING  
NOVELS"; "WATCHING MOVIES"; "STUDYING"; "FOOD"; "RUGBY"; "TECH"; "SWIMMING";  
"BOXING"; "READING"; "READING"; "VIDEO GAMES"];  
FACIAL_REPRESENTATION = {imread("AGABA.jpg"); imread("WASSWA.jpg");  
imread("OBBO.jpg"); imread("MBABAZI.jpg"); imread("NANDERA.jpg");  
imread("ATWIINE.jpg"); imread("IWASAMPIJJA.jpg"); imread("TANGA.jpg");  
imread("WANDABA.jpg"); imread("WAMBWA.jpg"); imread("OGWANG.jpg");  
imread("ABESIGA .jpg"); imread("BUSUULWA.jpg"); imread("ISABIRIYE.jpg");  
imread("ONANYANG.jpg"); imread("NTALE.jpg")}
```

FACIAL_REPRESENTATION = 16x1 cell

	1
1	1080x810x3 uint8

	1
2	1280×1234×3 uint8
3	1080×810×3 uint8
4	399×401×3 uint8
5	960×505×3 uint8
6	1280×1234×3 uint8
7	1080×810×3 uint8
8	1216×1216×3 uint8
9	1080×767×3 uint8
10	960×432×3 uint8
11	1080×1080×3 uint8
12	1080×810×3 uint8
13	1080×540×3 uint8
14	1080×810×3 uint8
15	960×960×3 uint8
16	144×126×3 uint8

```
AGE = [21; 20; 21; 27; 21; 22; 23; 23; 22; 23; 23; 23; 38; 23; 23; 20];
```

2.3.2.2 Organization of Data into single table variable

```
Studentdata =  
table(NAME,COURSE,AGE,TRIBAL_BACKGROUND,HOME_DISTRICT,RELIGION,INTERESTS,FACIAL_  
REPRESENTATION);  
disp(Studentdata);
```

RELIGION	NAME	COURSE	AGE	TRIBAL_BACKGROUND	HOME_DISTRICT
	INTERESTS	FACIAL_REPRESENTATION			
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

"AGABA JOSHUA"	"WAR"	21	"MUGISU"	"BUDUDA"
"BORN AGAIN"	"BADMINTON"	{1080×810×3	uint8}	
"WASSWA FRANCIS"	"APE"	20	"MUGANDA"	"WAKISO"
"CATHOLIC"	"DRIVING"	{1280×1234×3	uint8}	
"OBBO DANIEL BENJAMIN"	"WAR"	21	"JAPADHOLA"	"TORORO"
"CATHOLIC"	"GYMING"	{1080×810×3	uint8}	
"MBABAZI BLESSING GILLIAN"	"PTI"	27	"MUFIMBIRA"	"NTUNGAMO"
"CATHOLIC"	"EATING"	{ 399×401×3	uint8}	
"NANDERA JULIET"	"WAR"	21	"MUNYORE"	"BUGIRI"
"ANGLICAN"	"MONEY"	{ 960×505×3	uint8}	
"ATWINE SANDRAH"	"MEB"	22	"MUNYANKORE"	"BUHWEHJU"
"ANGLICAN"	"READING NOVELS"	{1280×1234×3	uint8}	
"IWASAMPIJJA MIKE CRISPUS"	"AMI"	23	"MUGANDA"	"BUKOMANSIMBI"
"ANGLICAN"	"WATCHING MOVIES"	{1080×810×3	uint8}	
"TANGA RIGAN"	"WAR"	23	"SAMIA"	"BUSIA"
"BORN AGAIN"	"STUDYING"	{1216×1216×3	uint8}	
"WANDABWA ELVIS"	"WAR"	22	"MUGISU"	"BUKUSU"
"NIL"	"FOOD"	{1080×767×3	uint8}	
"WAMBWA DERRIKC"	"WAR"	23	"MUGISU"	"NAMISIDWA"
"CATHOLIC"	"RUGBY"	{ 960×432×3	uint8}	
"OGWANG EMMANUEL"	"WAR"	23	"LANGI"	"LIRA"
"SDA"	"TECH"	{1080×1080×3	uint8}	
"ABESIGA KEITH ADAMS"	"AMI"	23	"MUNYANKOLE"	"RUKUNGIRI"
"PENTECOSTAL"	"SWIMMING"	{1080×810×3	uint8}	
"BUSUULWA HASSAN"	"AMI"	38	"MUGANDA"	"WAKISO"
"ATR"	"BOXING"	{1080×540×3	uint8}	
"ISABIRIYE EDMOND"	"AMI"	23	"MUSOGA"	"IGANGA"
"CATHOLIC"	"READING"	{1080×810×3	uint8}	
"ONANYANG FRANCIS"	"WAR"	23	"ITESOT"	"KUMI"
"ANGLICAN"	"READING"	{ 960×960×3	uint8}	
"NTALE JOASH KATEREGA"	"WAR"	20	"MUGANDA"	"LUWEERO"
"ANGLICAN"	"VIDEO GAMES"	{ 144×126×3	uint8}	

2.3.2.3 Saving the data

```
save("Student data.mat", "Studentdata")
```

3 CONCLUSION

The assignment was successful since there was maximum cooperation among group F members. It exposed us to the different computation skills on how to import, retrieve and to compile large sums of data using MATLAB. It also exposed us to use different websites like Kaggle.com where we obtained our excel dataset for number one

4 REFERENCES

1. https://www.youtube.com/redirect?event=channel_description&redir_token=QUFFLUhqa05KY2FkRmx4ZVNoOGF5alVGNXJuZ0R5S1ZSZ3xBQ3Jtc0tsa0JHZmVqV3VCMXNsYmE1dEV4dDRfeXplWlEzMlpQRkN3OEEdXRfk3Y3U1Ync1WEJwYW9QQm5iN3A2aDAweE1GQ2o0eU1kLUUtZFgxV3BkYnJmbkVGSDNfM1dYVUpoVilseUYwZzVMOVhDelhWdmZ0MA&q=https%3A%2F%2Fwww.mathworks.com

2, MATLAB PROGRAMMING by T. KIRANI SINGH & B.B. CHANDURI