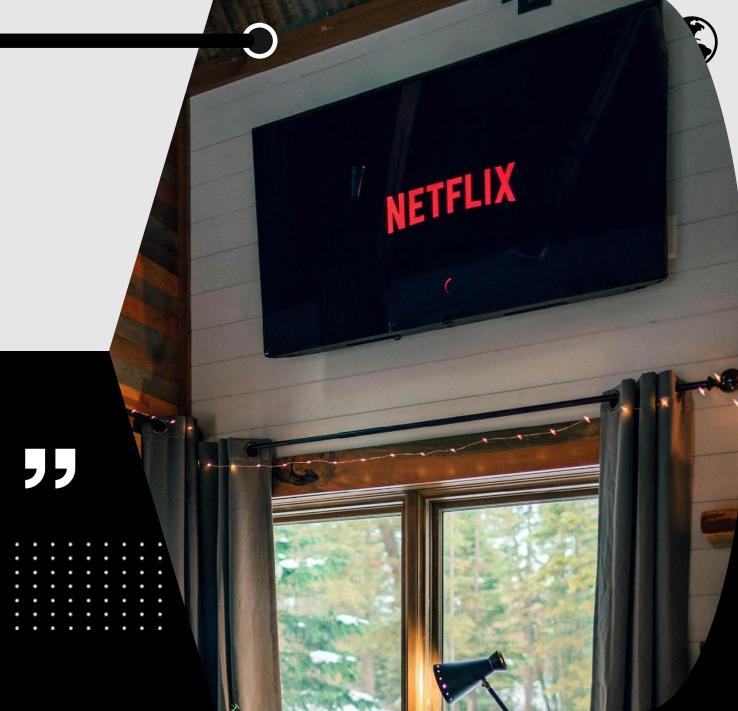
Introduction to Machine Cearning, Personal Project

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### **WHAT WILL I BINGE**

THIS SUMMER?



- CLEAN DATA
- CREATE CLUSTERING OF USERS
- RECOMMEND MOVIES
- ✓ MAKE A NICE POWERPOINT
- **OUTLINE NEXT STEPS**

## **DELIVERABLES**

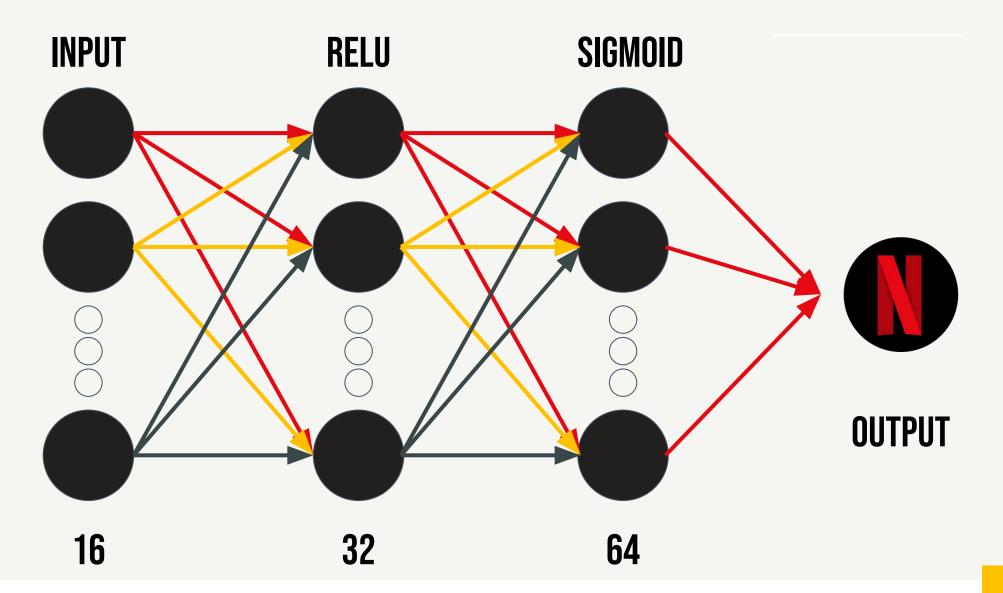
# ISSUES WITH DATA

	userld	itemId	rating	timestamp
0	196	242	3	881250949
1	186	302	3	891717742
2	22	377	1	878887116
3	244	51	2	880606923
4	166	346	1	886397596

	userId	age	gender	occupation	zip
0	1	24	М	technician	85711
1	2	53	F	other	94043
2	3	23	M	writer	32067
3	4	24	M	technician	43537
4	5	33	F	other	15213

	movield	title	movieRelease	videoRelease	imbd	unknown	action	adventure	animation	children		fantasy	noir	horror	mı
0	1	Toy Story (1995)	01-Jan-1995	NaN	http://us.imdb.com/M/title- exact?Toy%20Story%2	0	0	0	1	1		0	0	0	
1	2	GoldenEye (1995)	01-Jan-1995	NaN	http://us.imdb.com/M/title- exact?GoldenEye%20(	0	1	1	0	0		0	0	0	
2	3	Four Rooms (1995)	01-Jan-1995	NaN	http://us.imdb.com/M/title- exact? Four%20Rooms%	0	0	0	0	0		0	0	0	
3	4	Get Shorty (1995)	01-Jan-1995	NaN	http://us.imdb.com/M/title- exact?Get%20Shorty%	0	1	0	0	0		0	0	0	
4	5	Copycat (1995)	01-Jan-1995	NaN	http://us.imdb.com/M/title- exact? Copycat%20(1995)	0	0	0	0	0	***	0	0	0	

### ORIGINAL APPROACH



#### **Quote Slide**

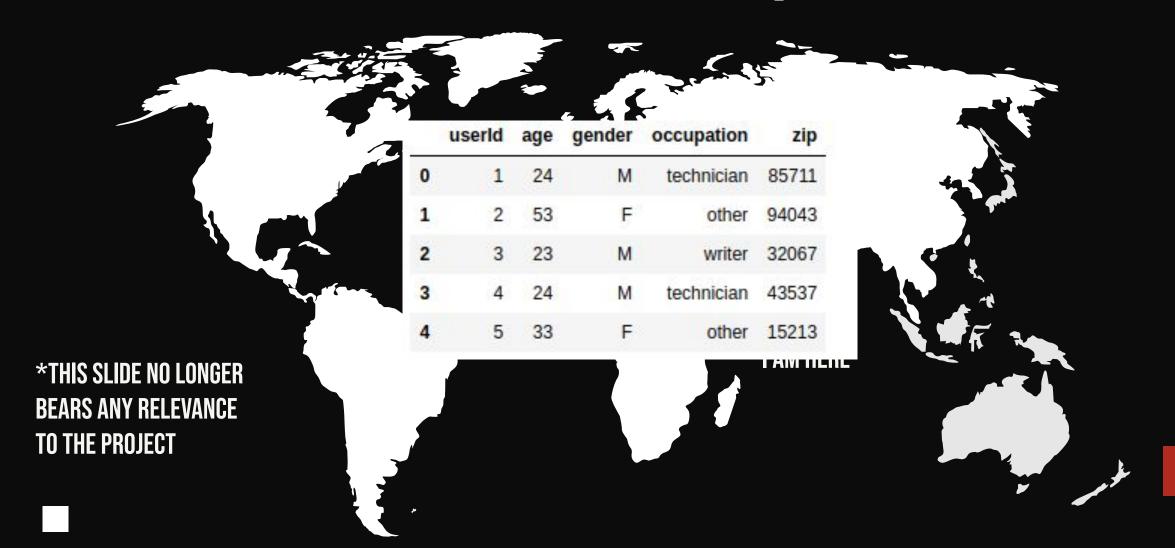
"Dear God why is this not working?"



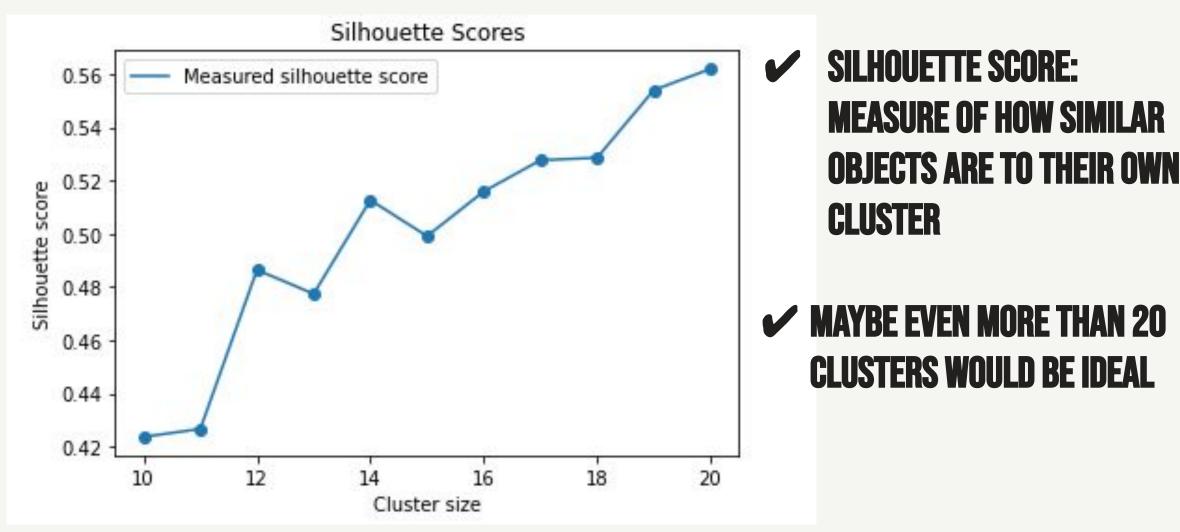
~ Pedro @4am outside library



### This is a Map\*



### **CREATING CLUSTERS**



title	movield	
GoldenEye (1995)	2	1
Muppet Treasure Island (1996)	21	20
Rumble in the Bronx (1995)	24	23
Batman Forever (1995)	29	28
Star Wars (1977)	50	49
Stargate (1994)	62	61
Jurassic Park (1993)	82	81
Heavy Metal (1981)	101	100
Operation Dumbo Drop (1995)	110	109
Rock, The (1996)	117	116
Twister (1996)	118	117
Ghost and the Darkness, The (1996)	148	147
Empire Strikes Back, The (1980)	172	171
Princess Bride, The (1987)	173	172
Raiders of the Lost Ark (1981)	174	173
Return of the Jedi (1983)	181	180
Army of Darkness (1993)	184	183
Evil Dead II (1987)	201	200
Indiana Jones and the Last Crusade (1989)	210	209
Star Trek: First Contact (1996)	222	221
Star Trek VI: The Undiscovered Country (1991)	227	226
Star Trek: The Wrath of Khan (1982)	228	227
Star Trek III: The Search for Spock (1984)	229	228
Star Trek IV: The Voyage Home (1986)	230	229
Batman Returns (1992)	231	230
Batman & Robin (1997)	254	253
Men in Black (1997)	257	256

### **RESULTS FOR USER 494**

- ✓ STAR WARS, JURASSIC PARK, AND INDIANA JONES CLUSTERED TOGETHER
- ✓ THIS IS HIS/HER FAVORITE

  CLUSTER, MORE MOVIES CAN

  BE GENERATED

movield	
13	0
25	1
26	2
40	3
41	4
42	5
67	6
72	7
80	8
85	9
To Wong Foo, Thank	13 25 26 40 To Wong Foo, Thank 41 42 67 Ace 72