

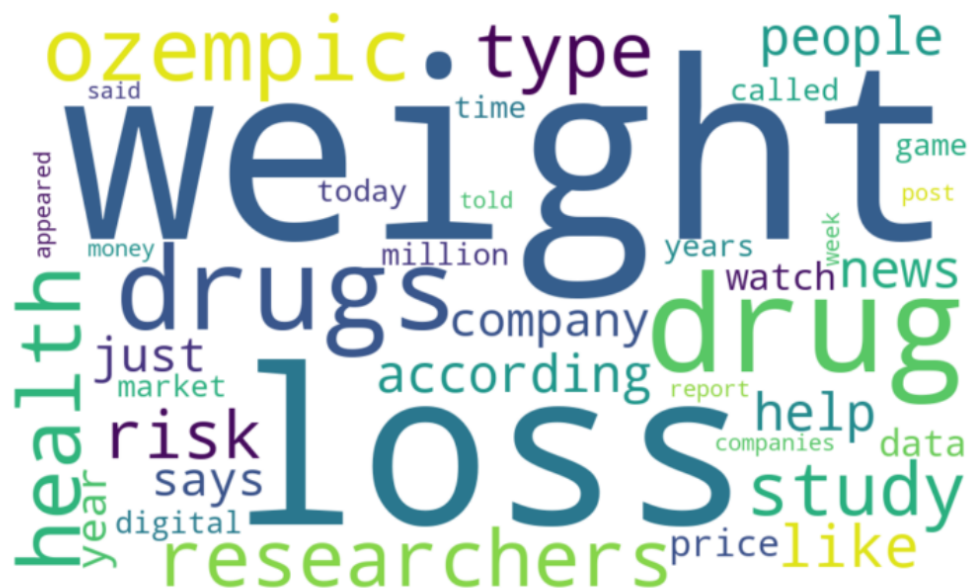
Homework 5

[illegible][illegible]

3)Vectorized data frame with labels

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1		LABEL	according	announced	appeared	betting	called	companies	company	crypto	data	digital	drug	drugs	etfs	exchange	free	game	games	google
2	0	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	diabetes	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
4	2	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	diabetes	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
6	4	diabetes	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
7	5	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	6	diabetes	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
9	7	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	8	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	9	diabetes	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
12	10	diabetes	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
13	11	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	12	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	13	diabetes	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
16	14	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	15	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	16	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	17	diabetes	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
20	18	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	19	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	20	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	21	diabetes	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	22	diabetes	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
25	23	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	24	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
27	25	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	26	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	27	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	28	diabetes	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
31	29	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	30	diabetes	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
33	31	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	32	diabetes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

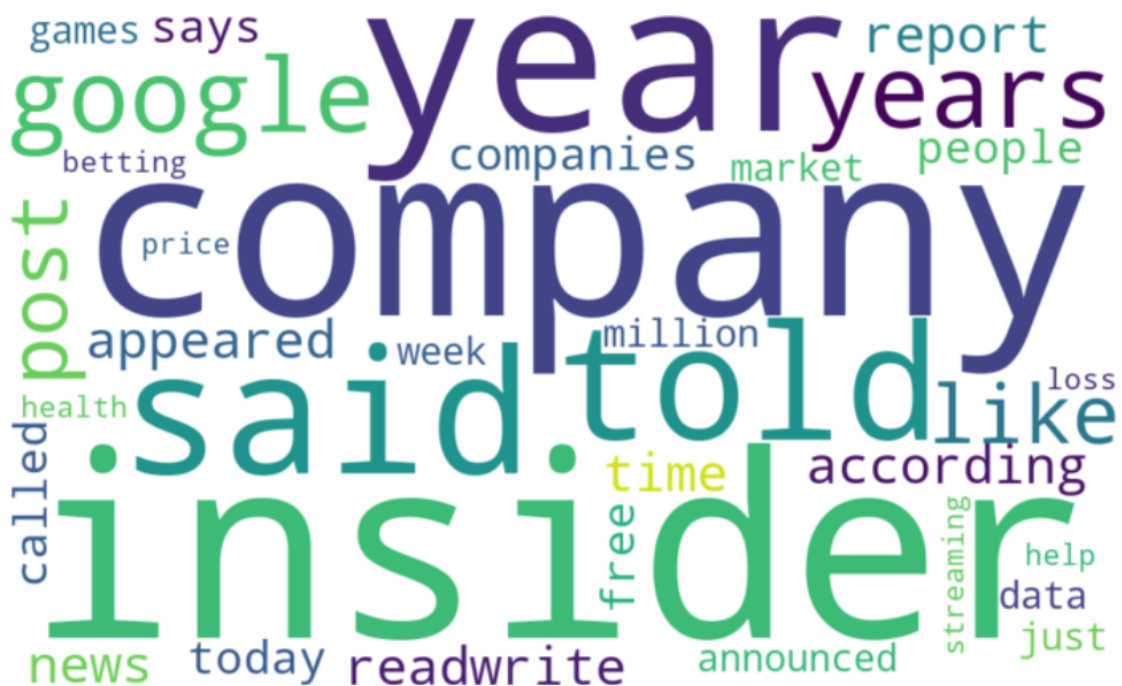
4)Word cloud for diabetes topic



5) Word cloud for bitcoin topic



6) 5) Word cloud for business topic



7) word cloud for sports topic

