

## Graph2 Event type and corresponding role

id	Class	Type	role	role	role	role	role	role
1	Finance / Trading	Sale / acquisition	time	Seller	Transaction object	Price	Acquirer	
2	Finance / Trading	Limit down Hitting	time	down-limit-hit stock				
3	Finance / Trading	raise interest rates	time	Interest rate increase	Decision-making agency			
4	Finance / Trading	price reduction	time	Price reduction subject	price reduction object	degree of decrease		
5	Finance / Trading	Cut interest rates	time	Interest rate cut	Decision-making agency			
6	Finance / Trading	Financing	time	Following investor	Lead investor	Financing round	Financing Amount	Financier
7	Finance / Trading	Go public	time	location	company to be listed	Financing Amount		
8	Finance / Trading	Price increase	time	magnitude of price increase	Price increase object	Price increase subject		
9	Finance / Trading	Limit Up Hitting	time	up-limit-hit stock				
10	Product behavior	Product Publish	time	Products	Publisher			
11	Product behavior	Award	time	Winner	Awards	Awarding agency		
12	Product behavior	Film/Movie Released	time	Film company	The movie/film			
13	Product behavior	Take product off shelves	time	Products	Product owner	Subject of Taking off		
14	Product behavior	Recall	time	Products	Recalling agency			
15	Socialize	Apologize	time	The agency being appologized	Apologizer			
16	Socialize	like	time	The agency who clicked "Like"	The agency who is "Liked"			
17	Socialize	Thanks	time	The agency who Thanks	The agency who is being Thanked			
18	Socialize	Meet	time	location	The agency who host the meeting	meeting guest		
19	Socialize	Visit	time	Visitor	Visit object			
20	Competition behavior	Win the championship	time	Champion	Match/Competition Name			
21	Competition	Advance to the	time	Promotion party	Match/Competition			

	behavior	next round			on Name			
22	Competition behavior	Suspension (from a game)	time	Suspended duration	Suspended person	Suspended institutions		
23	Competition behavior	Win or lose	time	Loser	Winner	Match/Competition Name		
24	Competition behavior	Abandon a game (Withdraw)	time	Match/Competition Name	The agency who withdraws			
25	Competition behavior	Retire	time	The Retired				
26	life	Give birth	time	Childbearer	Name of the baby			
27	life	Have an affair	time	The one who has an affair	The other man/woman			
28	life	got engaged	time	The one who is Engaged				
29	life	Break up	time	The breaking up				
30	life	Pregnant	time	The Pregnant				
31	life	Wedding	time	location	Participants	Married couple		
32	life	Get married	time	Married couple				
33	life	Divorce	time	Divorced parties				
34	life	Birthday	time	Birthday boy/girl	age of Birthday boy/girl	guests		
35	life	Proposal of marriage	time	suitor	The one being proposed			
36	life	Lost contact	time	location	Missing person			
37	life	Death	time	location	Deceased age	The deceased		
38	Judicial act	Fine	time	The one being fined	executor	penalty		
39	Judicial act	Arrest	time	Arrester	The Arrested			
40	Judicial act	Report an offense	time	Reporter	Informee			
41	Judicial act	Open a court	time	Court	Court case			
42	Judicial act	Case-Filing(for investigation)	time	Filing agency	The case			
43	Judicial act	To sue	time	Defendant	Accuser			
44	Judicial act	Imprisoned	time	Prisoner	Sentence			
45	Judicial act	Interviewed (by the government)	time	The Interviewed	hoster			
46	Disaster / accident	Explosion	time	location	death toll	Number of injured		
47	Disaster / accident	Car accident	time	location	death toll	Number of injured		
48	Disaster / accident	Earthquake	time	death toll	Magnitude	Focal depth	Epicenter	Number of

								injured
49	Disaster / accident	Flood	time	location	death toll	Number of injured		
50	Disaster / accident	Catch fire	time	location	death toll	Number of injured		
51	Disaster / accident	Collapse(road, building,..)	time	Collapsed subject	death toll	Number of injured		
52	Disaster / accident	Attack	time	location	The Attacked	death toll	Attacker	Number of injured
53	Disaster / accident	Plane crash	time	location	death toll	Number of injured		
54	Organization al relationship	Layoffs	time	The organization	Number of layoffs			
55	Organization al relationship	Resignation	time	Departure	Original organization			
56	Organization al relationship	Join(a Company/Gro up)	time	Franchisee	Affiliated organizations			
57	Organization al relationship	Fire	time	Firing party	Fired person			
58	Organization al relationship	Disband	time	Dissolution party				
59	Organization al relationship	Cancel Contract	time	Cancelled party	Canceler			
60	Organization al relationship	Suspend (from a job)	time	Organization	Suspended staff			
61	Organization al relationship	drop out (from a group)	time	The one who leave	Original organization			
62	Organization al behavior	Strike	time	Organization	Strikes	Striker		
63	Organization al behavior	Closing (an event)	time	location	Event name			
64	Organization al behavior	Opening (an event)	time	location	Event name			
65	Organization al behavior	parade (to protest)	time	location	March organization	Parade number		