Supplementary Information

“Climate Change” or “Global Warming”? The (Un)Politicization of Climate in Chinese Social Media Platform

Information Classification: General

Appendix I: Coding Scheme for the Type of Participants

Table 1

Definitions and examples for each category of accounts

Account Category	Definition	Example
Governmental accounts	Including all accounts related to the state institutions, including State media accounts, official groups, and financed or partly financed by the State.	People's Daily (人民日报), Global Times (环球时报), The Central Committee of the Communist Youth League of China (共青团中央), Guancha (观察者网), Yuyuan Tantian (玉渊潭天).
Organizational accounts	Including NGOs, educational institution, commercial institution, media outlets with non-governmental background.	WWF (世界自然基金会), Institute of Atmospheric Physics Chinese Academy of Science (中科院大气物理研究所), North American Student Daily (北美留学生日报), subtitle translation groups (字幕组), etc.
Individual accounts	Including scientists, popularizer of science, and individual accounts that are not affiliated with any institution.	FDU Zhao Bin (复旦赵斌), Dr. Dai's Lab (戴博士实验室), etc.

Information Classification: General

Appendix II: The List of Nodes and Attributes (Degree Centrality and Modularity Class) in GW and CC Semantic Networks

Table 2

GW Semantic Network Nodes and Modularity Data

Id	Label	degree	modularity_class
74	China	57	13
65	the United States	34	13
92	development	26	13
16	environmental protection	25	13
15	country	21	13
114	Japan	16	13
52	emission	15	13
41	environment	13	13
64	carbon emission	13	13
63	feel	10	13
94	world	8	13
5	indeed	6	13
58	pollution	6	13
81	place	5	13
148	Russia	5	13
40	economy	4	13
123	industry	4	13
127	India	4	13
69	per capita	3	13
103	the Western countries	3	13
140	energy	3	13
76	garbage	2	13
139	fuck off	2	13
141	forest	2	13
159	Jing Chai	2	13

Information Classification: General

162	weapon	2	13
163	Donald Trump	2	13
164	coastal	2	13
169	marketing	2	13
172	weather	2	13
30	plant trees	1	13
108	like	1	13
134	desert	1	13
136	please	1	13
167	movie	1	13
14	earth	109	5
34	global warming	26	5
39	globe	25	5
6	temperature	22	5
21	impact	18	5
47	carbon dioxide	17	5
97	climate	14	5
151	hot	12	5
27	result in	9	5
154	degree	9	5
49	gas	6	5
50	sea level	6	5
53	temperature	6	5
105	air conditioning	6	5
116	north pole	6	5
43	climate warming	5	5
96	change	5	5
137	warming	5	5
152	cold	5	5
24	sun	4	5
48	greenhouse	4	5

Information Classification: General

90	cause	4	5
153	winter	4	5
7	summer	3	5
45	greenhouse effect	3	5
46	absorb	3	5
56	city	3	5
62	time	3	5
83	data	3	5
100	plants	3	5
165	hour	3	5
176	Vladivostok	3	5
28	speed	2	5
78	matter	2	5
82	increase	2	5
101	atmosphere	2	5
120	more and more	2	5
131	methane	2	5
23	heat	1	5
26	energy	1	5
54	elevate	1	5
55	sea	1	5
115	teacher	1	5
119	at first	1	5
138	hours	1	5
157	high temperature	1	5
3	humanity	109	1
8	melt	13	1
2	glacier	10	1
18	protection	8	1
142	virus	7	1
67	animals	6	1

Information Classification: General

146	species	6	1
147	extinct	6	1
59	living things	5	1
104	solve	4	1
110	seem	4	1
144	future	4	1
9	someone	3	1
29	decrease	3	1
31	hope	3	1
33	just	3	1
44	nature	3	1
75	life	3	1
93	stuff	3	1
95	relationship	3	1
150	south pole	3	1
161	history	3	1
12	method	2	1
13	change	2	1
20	climate change	2	1
22	protect environment	2	1
32	popularization of science	2	1
36	save	2	1
51	survive	2	1
61	destroy	2	1
77	resources	2	1
87	civilization	2	1
88	extinction	2	1
91	era	2	1
106	after all	2	1
112	disaster	2	1
122	region	2	1

Information Classification: General

126	event	2	1
130	discover	2	1
133	happen	2	1
135	walk	2	1
143	ancient times	2	1
145	technology	2	1
155	technique	2	1
158	several years	2	1
160	research	2	1
35	why not	1	1
42	science	1	1
70	situation	1	1
80	developed countries	1	1
84	ecology	1	1
107	opinion	1	1
111	water	1	1
117	capacity	1	1
128	society	1	1
132	control	1	1
175	polar bear	1	1

Table 3

CC Semantic Network Nodes and Modularity Data

Id	Label	Degree	modularity_class
6	someone	6	0
14	environmental protection	122	0
23	movement	7	0
31	society	9	0
36	level	4	0
52	concern	4	0

Information Classification: General

80	more and more	5	0
91	name-calling	4	0
93	solve	10	0
97	a lot	2	0
109	organization	5	0
126	politics	17	0
129	correct	4	0
137	money	7	0
150	white left	4	0
157	propaganda	2	0
159	garbage	10	0
165	method	8	0
169	plant trees	15	0
174	industrialization	5	0
179	you	8	0
183	march	7	0
184	speech	6	0
185	how	6	0
186	dare	6	0
188	plane	2	0
190	Sweden	6	0
192	students' strike	6	0
193	girl	3	0
1	water	5	1
2	impact	26	1
4	climate change	6	1
5	protect environment	10	1
7	climate	19	1
8	why not	2	1
9	environment	41	1
10	polar bear	3	1

Information Classification: General

11	melt	5	1
12	result in	13	1
18	happen	4	1
20	earth	110	1
22	sun	4	1
24	science	5	1
25	humanity	128	1
26	future	6	1
27	destroy	2	1
28	life	14	1
35	protect	18	1
39	technology	5	1
42	species	14	1
43	extinct	17	1
45	globe	16	1
47	meaning	4	1
49	change	7	1
53	nature	14	1
57	carbon dioxide	9	1
63	save	15	1
69	global warming	9	1
73	alter	6	1
74	seem	7	1
76	words	9	1
77	increase	4	1
79	animals	19	1
82	research	4	1
88	energy	4	1
92	relationship	4	1
96	civilization	6	1
98	discover	6	1

Information Classification: General

101	utilize	12	1
103	understand	7	1
105	teacher	7	1
107	nuclear fusion	2	1
110	emit	4	1
112	effect	5	1
113	destruct	12	1
114	have you ever	2	1
116	living things	21	1
118	forever	5	1
122	sea	5	1
130	propose	6	1
152	petroleum	4	1
163	solar power	2	1
166	decrease	15	1
167	capacity	3	1
171	resources	6	1
189	plants	20	1
3	news	3	2
13	emission	17	2
15	emission reduction	9	2
16	country	83	2
19	world	25	2
21	sea level	6	2
30	just	7	2
32	pollution	11	2
33	matter	8	2
34	way	4	2
37	feel	15	2
40	Japan	22	2
44	city	5	2

Information Classification: General

46	industry	9	2
48	cause	5	2
50	stuff	9	2
51	carbon neutral	10	2
54	situation	2	2
55	time	10	2
58	carbon emission	46	2
59	Donald Trump	4	2
60	history	11	2
61	hope	12	2
62	please	5	2
64	speaking	3	2
65	per capita	15	2
67	air	2	2
68	disgust	3	2
70	scientist	7	2
71	play	5	2
72	after all	9	2
75	like	7	2
78	indeed	11	2
81	several years	4	2
83	profession	4	2
84	know	6	2
85	era	4	2
86	data	3	2
87	walk	3	2
89	opinion	4	2
90	development	53	2
94	estimate	3	2
95	local	7	2
100	support	9	2

Information Classification: General

102	at first	4	2
104	endeavor	3	2
106	region	3	2
108	kids	5	2
111	public intellectuals	4	2
115	our country	7	2
117	technique	12	2
119	hour	5	2
120	China	181	2
121	find	5	2
123	Europe and America	6	2
124	Western countries	61	2
125	the United Kingdom	8	2
127	professor	3	2
128	the Soviet Union	3	2
131	the USA	148	2
132	media	3	2
133	foreign	2	2
134	Russia	2	2
135	not work	4	2
136	within the country	6	2
138	this year	3	2
139	president	3	2
140	Germany	8	2
141	economy	7	2
142	Europe	6	2
143	benefit	5	2
144	the European Union	4	2
145	France	3	2
146	deputy	3	2
147	developing countries	11	2

Information Classification: General

148	whole world	4	2
149	buy	3	2
151	Joe Biden	2	2
153	citizens	3	2
158	government	8	2
160	generate electricity	2	2
161	energy source	11	2
162	forest	12	2
164	carbon	17	2
168	efficiency	1	2
172	developed countries	13	2
173	Australia	7	2
175	burn	3	2
176	thanks	4	2
177	protest	5	2
178	population	3	2
180	Jing Chai	8	2
181	the United Nations	3	2
187	tree	4	2
17	waste	7	3
29	suggest	5	3
38	meat	5	3
41	popularization of science	7	3
56	rainforest	7	3
66	shame	3	3
99	sorry	11	3
154	Brazil	9	3
155	capital	7	3
156	PaperClip	39	3
170	eating meat	11	3
182	FALSE	4	3

Information Classification: General

191	paperclip	8	3

Appendix III: Supplemented NRC dictionary

Word	Anger	Anticipation	Disgust	Fear	Joy	Sadness	Surprise	Trust
反智	0	0	1	0	0	0	0	0
蠢	1	0	1	0	0	0	0	0
坏	1	0	1	1	0	0	0	0
堪忧	0	0	0	1	0	1	0	0
毁灭	1	0	0	1	0	1	0	0
圣母	1	0	1	0	0	0	0	0
民粹主义	1	0	1	1	0	0	0	0
民粹	1	0	1	1	0	0	0	0
不讲道理	1	0	1	0	0	1	0	0
优越感	1	0	1	0	0	0	0	0
骚	1	0	1	0	0	0	0	0
装	1	0	1	0	0	0	0	0
大放厥词	1	0	1	0	0	0	0	0
碰瓷	1	0	1	1	0	0	0	0
晕	0	0	1	0	0	1	0	0
差评	1	0	1	0	0	1	0	0
杠精	1	0	1	1	0	0	0	0
死去	0	0	0	1	0	1	0	0
理中客	1	0	1	1	0	0	0	0
看笑话	1	0	1	0	0	0	0	0
醉	0	0	1	0	0	0	0	0
黑	1	0	1	1	0	0	0	0
屁用	1	0	1	0	0	1	0	0
狭隘	1	0	1	0	0	1	0	0
拉黑	1	0	1	0	0	1	0	0
扣帽子	1	0	1	0	0	1	0	0
生意	1	0	1	0	0	1	0	0
主义	1	0	1	0	0	0	0	0
多此一举	1	0	1	0	0	1	0	0
mmp	1	0	1	0	0	0	0	0
童年阴影	0	0	0	1	0	1	0	0
举报	1	0	1	1	0	1	0	0
瞎带	1	0	1	0	0	0	0	0
瞎带节奏	1	0	1	0	0	0	0	0
胡说八道	1	0	1	0	0	0	0	0
鬼扯	1	0	1	0	0	0	0	0
无脑	1	0	1	0	0	0	0	0
憨皮	1	0	1	0	0	0	0	0
无耻	1	0	1	0	0	0	0	0

Information Classification: General

牛批	0	0	1	0	0	0	0	0
扯淡	1	0	1	0	0	0	0	0
阴谋论	1	0	1	1	0	0	0	0
洗脑	1	0	1	0	0	1	0	0
滑稽	0	0	1	0	0	1	0	0
笑话	0	0	1	0	0	1	0	0
友军	0	0	1	0	1	0	0	0
好家伙	0	0	1	0	1	0	1	0
营销	1	0	1	1	0	0	0	0
回形针	1	0	1	0	0	0	0	0
政治化	1	0	1	1	0	0	0	0
bb	1	0	1	0	0	0	0	0
无能	1	0	1	1	0	1	0	0
蹭	1	0	1	1	0	0	0	0
忽悠	1	0	1	1	0	0	0	0
瞎	1	0	1	1	0	0	0	0
完蛋	1	0	0	1	0	1	0	0
受罪	1	0	0	1	0	1	0	0
要不得	1	0	0	1	0	0	0	0
灭	0	0	0	1	0	1	0	0
不关我事	0	0	1	0	0	0	0	0
受不了	1	0	1	0	0	1	0	0
同归于尽	1	0	0	0	0	1	0	0
温水煮青蛙	1	0	0	1	0	1	0	0
作死	1	0	1	0	0	1	0	0
呜呜	0	0	0	1	0	1	0	0
万恶	1	0	1	1	0	1	0	0
感到痛心	1	0	0	1	0	1	0	0
无能为力	1	0	0	1	0	1	0	0
TMD	1	0	1	0	0	0	0	0
野鸡大学	1	0	1	0	0	0	0	0
野鸡	1	0	1	0	0	0	0	0
厌世	0	0	0	1	0	1	0	0
晦气	1	0	1	1	0	1	0	0
抖	1	0	1	0	0	0	0	0
机灵	1	0	1	0	0	0	0	0
蠢人	1	0	1	0	0	0	0	0
假粉	1	0	1	0	0	0	0	0
悲	0	0	0	1	0	1	0	0
抬杠	1	0	1	1	0	0	0	0
一言难尽	0	0	1	1	0	1	0	0
高高挂起	0	0	1	0	0	0	0	0

Information Classification: General

事不关己	0	0	1	0	0	0	0	0
美国佬	1	0	1	0	0	0	0	0
几把	1	0	1	0	0	0	0	0
天命	0	0	0	1	0	1	0	0
公知	1	0	1	0	0	0	0	0
自欺欺人	1	0	1	0	0	1	0	0
挺拉跨	1	0	1	0	0	0	0	0
离谱	1	0	1	0	0	1	0	0
woc	0	0	0	0	0	0	1	0
nm	1	0	0	0	0	0	1	0
超棒	0	0	0	0	1	0	0	0
反科学	0	0	0	0	0	0	0	0
盛世	0	0	0	0	1	0	0	0
苦果	0	0	0	0	0	1	0	0
太好了	0	0	0	0	1	0	1	0
糟了	0	0	0	1	0	0	1	0
目光短浅	0	0	1	0	0	0	0	0
古板	0	0	0	0	0	0	0	0
守旧	0	0	0	0	0	0	0	0
预谋	0	1	0	0	0	0	0	0
卧槽	0	0	0	0	0	0	1	0
承受不住	0	0	0	1	0	0	0	0
解决不了	0	0	0	0	0	1	0	0
恶心	0	0	1	0	0	0	0	0
自私	0	0	1	0	0	0	0	0
恶性循环	0	0	0	0	0	0	0	0
大难临头	0	0	0	1	0	0	0	0
悲观	0	0	0	0	0	1	0	0
私自	0	0	1	0	0	0	0	0
人类灭绝	0	0	0	1	0	0	0	0
恰烂饭	0	0	1	0	0	0	0	0
勾心斗角	0	1	1	0	0	0	0	0
婊	0	0	1	0	0	0	0	0
圣母婊	0	0	1	0	0	0	0	0
圣母	0	0	1	0	0	0	0	0
惨	0	0	0	0	0	1	0	0
碍眼	0	0	1	0	0	0	0	0
剥削	1	0	1	0	0	0	0	0
歪曲事实	0	0	1	0	0	0	0	0
自作孽	0	0	1	0	0	0	0	0
武力威胁	0	0	0	1	0	0	0	0
编造	1	0	0	0	0	0	0	0
负面影响	0	0	0	0	0	0	0	0

Information Classification: General

毁于一旦	0	0	0	0	0	1	0	0
阳奉阴违	0	0	1	0	0	0	0	0
险恶用心	0	0	1	1	0	0	0	0
衰落	0	0	0	0	0	1	0	0
脑残	0	0	1	0	0	0	0	0
细思极恐	0	0	0	1	0	0	0	0
傻	0	0	1	0	0	0	0	0
压榨	0	0	1	0	0	0	0	0
变好	0	0	0	0	1	0	0	0
丧生	0	0	0	0	0	1	0	0
厉害	0	0	0	0	0	0	1	1
Wow	0	0	0	0	0	0	1	0
wow	0	0	0	0	0	0	1	0
孽	0	0	1	0	0	1	0	0
一蹶不振	0	0	0	0	0	1	0	0
很正	0	0	0	0	0	0	0	1
报应不爽	1	0	1	0	0	0	0	0
匪帮	0	0	1	0	0	0	0	0
该死	1	0	1	0	0	0	0	0
遭报应	1	0	1	1	0	0	0	0
诅咒	1	0	1	0	0	0	0	0
害怕	0	0	0	1	0	0	0	0
警惕	0	0	0	1	0	0	0	0
罪魁祸首	0	0	1	0	0	0	0	0
丑恶嘴脸	0	0	1	0	0	0	0	0
炼狱	0	0	0	1	0	0	0	0
罄竹难书	1	0	1	0	0	0	0	0
愚蠢	0	0	1	0	0	0	0	0
诡异	0	0	0	1	0	0	0	0
辣鸡	0	0	1	0	0	0	0	0
哀伤	0	0	0	0	0	1	0	0
摧毁	1	0	1	0	0	0	0	0
治愈	0	0	0	0	1	0	0	1
心疼	0	0	0	0	0	0	0	0
责任心	0	0	0	0	0	0	0	1
好看	0	0	0	0	1	0	0	0
震惊	0	0	0	0	0	0	1	0
震怒	1	0	0	0	0	0	0	0
无一幸免	0	0	0	1	0	1	0	0
魔鬼	1	0	1	1	0	0	0	0
梦想破灭	0	0	0	0	0	1	0	0
打脸	1	0	1	0	0	0	0	0
滚蛋	1	0	1	0	0	0	0	0

Information Classification: General

军国主义	1	0	1	1	0	0	0	0
白眼狼	1	0	1	0	0	0	0	0
不堪设想	1	0	1	1	0	1	0	0
低智	1	0	1	0	0	1	0	0
百般刁难	0	0	0	0	0	0	0	0
冷汗	0	0	0	1	0	1	0	0
种族歧视	1	0	1	0	0	1	0	0
键盘侠	1	0	1	0	0	0	0	0
损失惨重	0	0	0	1	0	1	0	0
国耻	1	0	0	0	0	1	0	0
嘴脸	1	0	1	0	0	0	0	0
白左	1	0	1	0	0	0	0	0
傀儡	1	0	1	0	0	0	0	0
可惜	0	0	0	0	0	1	0	0
一个愿打	0	0	0	0	0	1	0	0
一个愿挨	0	0	0	0	0	1	0	0
空想	1	0	1	0	0	1	0	0
罢课	1	0	1	0	0	1	0	0
只说不做	1	0	1	0	0	1	0	0
狗屎	1	0	1	0	0	0	0	0
丢人	1	0	1	0	0	0	0	0
柴狗	1	0	1	0	0	0	0	0
某公知	1	0	1	0	0	0	0	0
装逼	1	0	1	0	0	0	0	0
院士	0	1	0	0	1	0	0	1
国士	0	1	0	0	1	0	0	1
太棒了	0	0	0	0	1	0	1	1
鬼才	0	0	0	0	1	0	1	1
夺笋	1	0	1	0	0	0	0	0
专业	0	0	0	0	1	0	0	1
私货	1	0	1	0	0	0	0	0
指桑骂槐	1	0	1	0	0	0	0	0
说到做到	0	1	0	0	0	0	0	0
惨无人道	1	0	0	1	0	1	0	0
本末倒置	1	0	0	1	0	1	0	0
精分	1	0	1	0	0	0	0	0
漏洞百出	1	0	0	0	0	0	0	0
漏洞	1	0	0	0	0	0	0	0
反华	1	0	1	0	0	0	0	0
透支	1	0	0	1	0	1	0	0
甜枣	1	0	1	0	0	0	0	0
砖家	1	0	1	0	0	0	0	0
mdzz	1	0	1	0	0	0	0	0

Information Classification: General

霓虹	1	0	1	0	0	0	0	0
捉急	1	0	1	0	0	0	0	0
捉鸡	1	0	1	0	0	0	0	0
资本	1	0	1	0	0	0	0	0
珍惜	0	0	0	1	0	1	0	0
忽冷忽热	0	0	0	1	0	1	0	0
2012	0	0	0	1	0	1	0	0
淦	1	0	1	1	0	0	1	0
罕见	0	0	0	1	0	1	0	0
唇亡齿寒	0	0	0	1	0	1	0	0
伪科学	1	0	1	0	0	0	0	0
来不及	1	0	0	1	0	1	0	0
不可否认	0	0	0	1	0	1	0	0
无语	1	0	1	0	0	1	0	0
QwQ	0	0	0	1	0	1	0	0
QAQ	0	0	0	1	0	1	0	0
极端化	1	0	1	1	0	1	0	0
强盗	1	0	1	1	0	0	0	0
滚出	1	0	1	0	0	0	0	0
濒临灭绝	1	0	0	1	0	1	0	0
香甜	1	0	1	0	0	0	0	0
xswl	1	0	1	0	0	0	1	0
药丸	1	0	1	1	0	1	0	0
吃枣	1	0	1	1	0	1	0	0
耍流氓	1	0	1	0	0	0	0	0
两面针	1	0	1	0	0	0	0	0
柴犬	1	0	1	0	0	0	0	0
退群	1	0	1	0	0	0	0	0
洗白	1	0	1	0	0	0	0	0
不配	1	0	1	0	0	0	0	0
邪乎	0	0	1	0	0	1	1	0
全人类	0	1	0	0	0	1	0	0
叽叽歪歪	1	0	1	0	0	0	0	0
狗眼	1	0	1	0	0	0	0	0
执迷不悟	1	0	1	0	0	0	0	0
双标	1	0	1	0	0	0	0	0
耍赖	1	0	1	0	0	0	0	0
抹黑	1	0	1	0	0	0	0	0
蠢蛋	1	0	1	0	0	0	0	0
精西	1	0	1	0	0	0	0	0
喷子	1	0	1	1	0	0	0	0
没有人比我更懂	0	0	1	0	0	0	0	0

Information Classification: General

挨打	1	0	1	0	0	0	0	0
丁院士	0	1	0	0	1	0	0	1
发展权	1	0	0	0	0	0	0	0
烧纸	1	0	1	0	0	0	0	0
吐槽	1	0	1	0	0	0	0	0
丑	1	0	1	0	0	0	0	0
收钱	1	0	1	0	0	0	0	0
踏马	1	0	1	0	0	0	0	0
柴公知	1	0	1	0	0	0	0	0
逼	1	0	1	0	0	0	0	0
骗局	1	0	1	0	0	0	0	0
拖后腿	1	0	1	0	0	0	0	0
不要脸	1	0	1	0	0	0	0	0
鼓吹	1	0	1	0	0	0	0	0
不忍心	0	0	0	1	0	1	0	0
死绝	0	0	0	1	0	1	0	0
做错	0	0	0	1	0	1	0	0
安息	0	0	0	0	0	1	0	0
心疼	0	0	0	0	0	1	0	0
烧死	0	0	0	1	0	1	0	0
憨批	1	0	1	0	0	0	0	0
脑瘫	1	0	1	0	0	0	0	0
玩意儿	1	0	1	0	0	0	0	0
懂王	1	0	1	0	0	0	0	0
找茬	1	0	1	0	0	0	0	0
川建国	1	0	1	0	0	0	0	0
该死	1	0	1	0	0	0	0	0
中指	1	0	1	0	0	0	0	0
yue	0	0	1	0	0	0	0	0
丑国	1	0	1	0	0	0	0	0
丑果	1	0	1	0	0	0	0	0
物极必反	0	0	0	1	0	1	0	0
后天	0	0	0	1	0	1	0	0
怜悯之心	0	0	0	1	0	1	0	0
怜悯	0	0	0	1	0	1	0	0
崩坏	0	0	0	1	0	1	0	0
三连	0	0	0	0	1	0	0	0
做不了	0	0	0	1	0	1	0	0
活不下去	0	0	0	1	0	1	0	0
保命	0	0	0	1	0	0	0	0
热死	0	0	0	1	0	1	0	0
一丘之貉	1	0	1	0	0	0	0	0
杠	1	0	1	0	0	0	0	0

Information Classification: General

人丑	0	0	1	0	0	0	0	0
yyds	0	0	0	0	1	0	0	1
妙哉	0	0	0	0	1	0	0	1
棒子	1	0	1	0	0	0	0	0
煽动	1	0	1	0	0	0	0	0
偏激	0	0	1	0	0	0	0	0
节奏	1	0	1	0	0	0	0	0
无知者	1	0	1	0	0	0	0	0
风采	0	0	0	0	1	0	0	1
川宝	1	0	1	0	0	0	0	0
大自然	0	0	0	1	0	1	0	0
谢罪	0	0	0	1	0	1	0	0
反思	0	0	0	1	0	1	0	0
自责	0	0	0	1	0	1	0	0
怒斥	1	0	1	0	0	0	0	0
息息相关	0	0	0	1	0	1	0	0
头皮发麻	0	0	0	1	0	1	0	0
降智	1	0	1	0	0	0	0	0
人人有责	0	0	0	1	0	1	0	0
OMG	0	0	0	0	0	0	1	0
祸害	1	0	0	1	0	1	0	0
苦不堪言	0	0	0	1	0	1	0	0
敬意	0	1	0	0	0	0	0	0
大声疾呼	0	0	0	1	0	1	0	0
救救	0	0	0	1	0	1	0	0
好评	0	1	0	0	1	0	0	1
废青	1	0	1	0	0	0	0	0
弱智	1	0	1	0	0	0	0	0
抗议	1	0	1	0	0	0	0	0
报应	1	0	1	0	0	0	0	0

Information Classification: General

Appendix IV: Validation Checks

Given that our study includes eight emotions, it is very difficult for human annotators to handle when using multiple emotion categories. Thus, we randomly selected 200 comments from our dataset as the sample for the robustness check and employed ChatGPT as another annotator. Then we compared the output of ChatGPT and the NRC emotion lexicon. The results indicate a moderate agreement between the outputs of the two methods.

Table 4

The percent agreements between the outputs of ChatGPT and the NRC Emotion Lexicon for each emotion

	The Percent Agreement between ChatGPT and the NRC Emotion Lexicon
Anger	62.1%
Anticipation	49%
Disgust	62.6%
Fear	63.1%
Joy	64.6%
Sadness	64.1%
Surprise	51.5%
Trust	58.1%

Information Classification: General