取消文化之現象分析

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52-網路癮誘與脫序行為之子題說明

92-資料人口結構與母群人口結構比較表

281-各題目之測量概念

資料簡介

原始資料維度: rows×columns = 1004 × 207

處理後資料維度: rows×columns = 1004 × 42

Table 1: 變數解釋

Variables	Explanation	remark
q1	性別	1: 男性, 2: 女性
q2	年齡	
q2_rr	年齡分層	1:18~29, 2:30~39, 3:40~49, 4:50~59, 5:60~69, 6:70+
q3	出生縣市	1~19: 台灣的縣市 24: 其他
q4	教育程度	1: 高中及以下, 2: 專科, 3: 大學, 4: 研究所
q5_1	週平均上網天數	
q6	上網分鐘 (工作、學習)	

Variables	Explanation	remark
q7	上網分鐘 (娛樂、休閒)	
q10	使用幾個與名人討論相關的社群媒體	
q11	是否使用 YT,Twitch 或 bilibili	1: 是,0: 否
q17_01	是否參與過: 不傷害、騙人	1: 是,0: 否
q17_02	是否參與過: 不傷害、不騙人	1: 是,0: 否
q19_01	是否參與過: 傷害、騙人	1: 是,0: 否
q19_02	是否參與過: 傷害、不騙人	1: 是,0: 否
q1719_label	是否至少有參與過一種網路惡搞	1: 是,0: 否
q20	主動激化傾向	2~10
q22	他人攻擊傾向	5~20
q23	自己攻擊傾向	5~20
q24	回聲室效應	5~20
q25	被攻擊的接受度	4~20
q26	推測他人攻擊意圖	3~12
q27_1	抵制意圖	1~5
q28_YN	是否採取過抵制行為	1: 是, 0: 否
q28_1	採取過: 取消關注	1: 是, 0: 否
q28_2	採取過: 拒絕觀看	1: 是, 0: 否
q28_3	採取過: 在網路上留言或發文指責	1: 是, 0: 否
q29_1	抵制的原因: 歧視特定國家、種族或性別	1: 是, 0: 否
q29_2	抵制的原因: 有不同的政治意識型態或價值觀	1: 是, 0: 否
q29_3	抵制的原因: 做出不道德、不正當或不合法行為	1: 是, 0: 否
q30_1	抵制行為的有效程度	(無效)1~5(有效)
q31_1	抵制前的同理心	(沒同理)1~4(有同理)
q32_1	抵制行為的對名人的傷害程度	(不嚴重)1~5(嚴重)
q33_1	抵制行為的對自己的重要程度	(不重要)1~5(重要)
q34_1	抵制成本	(非常少)1~5(非常多)
q35_1	抵制規模感知	(小)1~5(大)
q36_1	抵制的社會壓力	(小)1~4(大)
q38	心理幸福感	不滿意 2~5 滿意
q39_1	生活品質	不快樂 1~5 快樂
q40	國民黨喜好程度	不喜歡 0~5 喜歡
q41	民進黨喜好程度	不喜歡 0~5 喜歡
q42_1	意識形態	0~10: 台獨 ~ 統一
weight	人口結構修正權重	

敘述統計

DB.csv
42 Variables 1004 Observations

q1

n	missing	distinct	Info	Mean	Gmd
1004	0	2	0.724	1.594	0.4829

Value	1	2
Frequency	408	596
Proportion	0.406	0.594

q2

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	59	0.999	38.96	15.02	21	22	28	37	48	58	64

lowest : 19 20 21 22 23, highest: 73 74 77 79 81

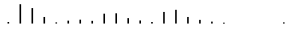
q2_rr

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.942	2.481	1.436

Value	1	2	3	4	5	6
Frequency	281	285	221	127	71	19
Proportion	0.280	0.284	0.220	0.126	0.071	0.019

For the frequency table, variable is rounded to the nearest 0

q3



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	20	0.99	8.992	6.272	2	2	3	9	14	16	17

Value	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Frequency	12	158	127	53	9	24	31	22	80	83	44	26	13	95
Proportion	0.012	0.157	0.126	0.053	0.009	0.024	0.031	0.022	0.080	0.083	0.044	0.026	0.013	0.095

Value	15	16	17	18	19	24
Frequency	112	53	30	16	6	10
Proportion	0.112	0.053	0.030	0.016	0.006	0.010

For the frequency table, variable is rounded to the nearest 0

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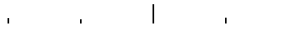
q4



n	missing	distinct	Info	Mean	Gmd
1004	0	4	0.817	2.739	0.9407

Value	1	2	3	4
Frequency	155	121	559	169
Proportion	0.154	0.121	0.557	0.168

For the frequency table, variable is rounded to the nearest 0

---

q5_1

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	13	0.277	6.658	0.6393	4.0	6.5	7.0	7.0	7.0	7.0	7.0

Value	0.5	1.0	1.5	2.0	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0
Frequency	16	8	3	8	6	9	6	1	15	6	14	11	901
Proportion	0.016	0.008	0.003	0.008	0.006	0.009	0.006	0.001	0.015	0.006	0.014	0.011	0.897

For the frequency table, variable is rounded to the nearest 0

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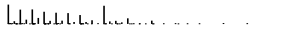
q6

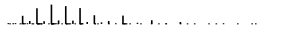


n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	92	0.995	264.6	239.6	0	0	90	240	420	540	600

lowest : 0 1 5 10 15, highest: 900 960 1080 1200 1440

---

q7



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	91	0.991	267.9	177.9	60	90	150	240	330	480	600

lowest : 0 7 20 30 50, highest: 900 960 1020 1035 1200

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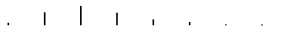
q10



n	missing	distinct	Info	Mean	Gmd
1004	0	8	0.94	2.388	1.476

Value	0	1	2	3	4	5	6	7
Frequency	44	224	336	217	101	56	15	11
Proportion	0.044	0.223	0.335	0.216	0.101	0.056	0.015	0.011

For the frequency table, variable is rounded to the nearest 0

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q11

n	missing	distinct	Info	Mean	Gmd
1004	0	3	0.235	1.022	0.1637

Value	0	1	2
Frequency	32	918	54
Proportion	0.032	0.914	0.054

For the frequency table, variable is rounded to the nearest 0

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q17_01

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.225	82	0.08167	0.1502

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q17_02

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.32	122	0.1215	0.2137

---

q19_01

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.009	3	0.002988	0.005964

---

q19_02

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.015	5	0.00498	0.00992

---

q1719_label

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.338	130	0.1295	0.2257

---

q20

n	missing	distinct	Info	Mean	Gmd
1004	0	9	0.785	2.925	1.33

Value	2	3	4	5	6	7	8	9	10
Frequency	596	140	135	54	57	10	8	1	3
Proportion	0.594	0.139	0.134	0.054	0.057	0.010	0.008	0.001	0.003

For the frequency table, variable is rounded to the nearest 0

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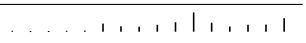
q22



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	16	0.987	15.05	3.851	10	10	13	15	18	20	20

Value	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Frequency	10	3	6	9	12	82	54	50	70	95	193	90	52	70
Proportion	0.010	0.003	0.006	0.009	0.012	0.082	0.054	0.050	0.070	0.095	0.192	0.090	0.052	0.070

Value	19	20
Frequency	72	136
Proportion	0.072	0.135

For the frequency table, variable is rounded to the nearest 0

---

q23

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	14	0.92	6.989	2.504	5	5	5	6	8	10	12

Value	5	6	7	8	9	10	11	12	13	14	15	16	17	20
Frequency	423	137	115	84	76	82	30	23	14	6	7	3	2	2
Proportion	0.421	0.136	0.115	0.084	0.076	0.082	0.030	0.023	0.014	0.006	0.007	0.003	0.002	0.002

For the frequency table, variable is rounded to the nearest 0

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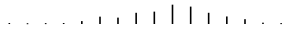
q24



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	16	0.985	13.74	2.95	9	10	12	14	15	17	18

Value	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Frequency	9	5	7	9	27	70	61	106	117	183	164	107	72	46
Proportion	0.009	0.005	0.007	0.009	0.027	0.070	0.061	0.106	0.117	0.182	0.163	0.107	0.072	0.046

Value	19	20
Frequency	13	8
Proportion	0.013	0.008

For the frequency table, variable is rounded to the nearest 0

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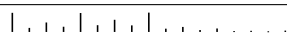
q25



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	17	0.985	9.188	4.175	4	4	6	9	12	14	16

Value	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Frequency	162	34	80	44	160	57	102	56	163	27	43	16	30	6
Proportion	0.161	0.034	0.080	0.044	0.159	0.057	0.102	0.056	0.162	0.027	0.043	0.016	0.030	0.006

Value	18	19	20
Frequency	9	3	12
Proportion	0.009	0.003	0.012

For the frequency table, variable is rounded to the nearest 0

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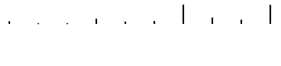
q26



n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	10	0.941	9.47	2.536	5	6	9	9	12	12	12

Value	3	4	5	6	7	8	9	10	11	12
Frequency	42	6	6	84	38	47	307	100	69	305
Proportion	0.042	0.006	0.006	0.084	0.038	0.047	0.306	0.100	0.069	0.304

For the frequency table, variable is rounded to the nearest 0

---

q27_1

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.925	3.102	1.181

Value	1	2	3	4	5
Frequency	73	209	368	251	103
Proportion	0.073	0.208	0.367	0.250	0.103

For the frequency table, variable is rounded to the nearest 0

---

q28_YN

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.63	703	0.7002	0.4203

---

q28_1

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.75	490	0.488	0.5002

---

q28_2

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.726	591	0.5886	0.4848

---

q28_3

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.155	55	0.05478	0.1037

---

q29_1

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.706	381	0.3795	0.4714

---

q29_2

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.62	293	0.2918	0.4137

---

q29_3

n	missing	distinct	Info	Sum	Mean	Gmd
1004	0	2	0.723	598	0.5956	0.4822

---

q30_1

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.936	2.299	1.896

Value	0	1	2	3	4	5
Frequency	301	45	90	235	287	46
Proportion	0.300	0.045	0.090	0.234	0.286	0.046

For the frequency table, variable is rounded to the nearest 0

---

q31_1

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.924	1.784	1.491

Value	0	1	2	3	4
Frequency	301	80	222	337	64
Proportion	0.300	0.080	0.221	0.336	0.064

For the frequency table, variable is rounded to the nearest 0

---

q32_1

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.927	2.453	1.921

Value	0	1	2	3	4	5
Frequency	301	14	72	227	326	64
Proportion	0.300	0.014	0.072	0.226	0.325	0.064

For the frequency table, variable is rounded to the nearest 0

---

q33_1

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.932	2.017	1.695

Value	0	1	2	3	4	5
Frequency	301	57	155	328	141	22
Proportion	0.300	0.057	0.154	0.327	0.140	0.022

For the frequency table, variable is rounded to the nearest 0

---

q34_1

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.925	1.429	1.372

Value	0	1	2	3	4	5
Frequency	301	297	105	279	19	3
Proportion	0.300	0.296	0.105	0.278	0.019	0.003

For the frequency table, variable is rounded to the nearest 0

---

q35_1

n	missing	distinct	Info	Mean	Gmd
1004	0	6	0.932	1.993	1.782

Value	0	1	2	3	4	5
Frequency	301	132	63	330	137	41
Proportion	0.300	0.131	0.063	0.329	0.136	0.041

For the frequency table, variable is rounded to the nearest 0

---

q36_1

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.924	1.306	1.176

Value	0	1	2	3	4
Frequency	301	244	320	129	10
Proportion	0.300	0.243	0.319	0.128	0.010

For the frequency table, variable is rounded to the nearest 0

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q38

n	missing	distinct	Info	Mean	Gmd
1004	0	9	0.951	6.232	1.561

Value	2	3	4	5	6	7	8	9	10
Frequency	12	22	81	154	301	247	151	30	6
Proportion	0.012	0.022	0.081	0.153	0.300	0.246	0.150	0.030	0.006

For the frequency table, variable is rounded to the nearest 0

---

q39_1

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.863	3.26	0.8707

Value	1	2	3	4	5
Frequency	28	127	443	368	38
Proportion	0.028	0.126	0.441	0.367	0.038

For the frequency table, variable is rounded to the nearest 0

---

q40

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.916	2.345	1.31

Value	1	2	3	4	5
Frequency	346	171	335	99	53
Proportion	0.345	0.170	0.334	0.099	0.053

For the frequency table, variable is rounded to the nearest 0

---

q41

n	missing	distinct	Info	Mean	Gmd
1004	0	5	0.923	2.472	1.321

Value	1	2	3	4	5
Frequency	301	167	351	131	54
Proportion	0.300	0.166	0.350	0.130	0.054

For the frequency table, variable is rounded to the nearest 0

---

q42_1

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	11	0.859	3.869	2.235	0	0	2	5	5	5	6

Value	0	1	2	3	4	5	6	7	8	9	10
Frequency	140	60	53	76	82	518	28	15	9	3	20
Proportion	0.139	0.060	0.053	0.076	0.082	0.516	0.028	0.015	0.009	0.003	0.020

For the frequency table, variable is rounded to the nearest 0

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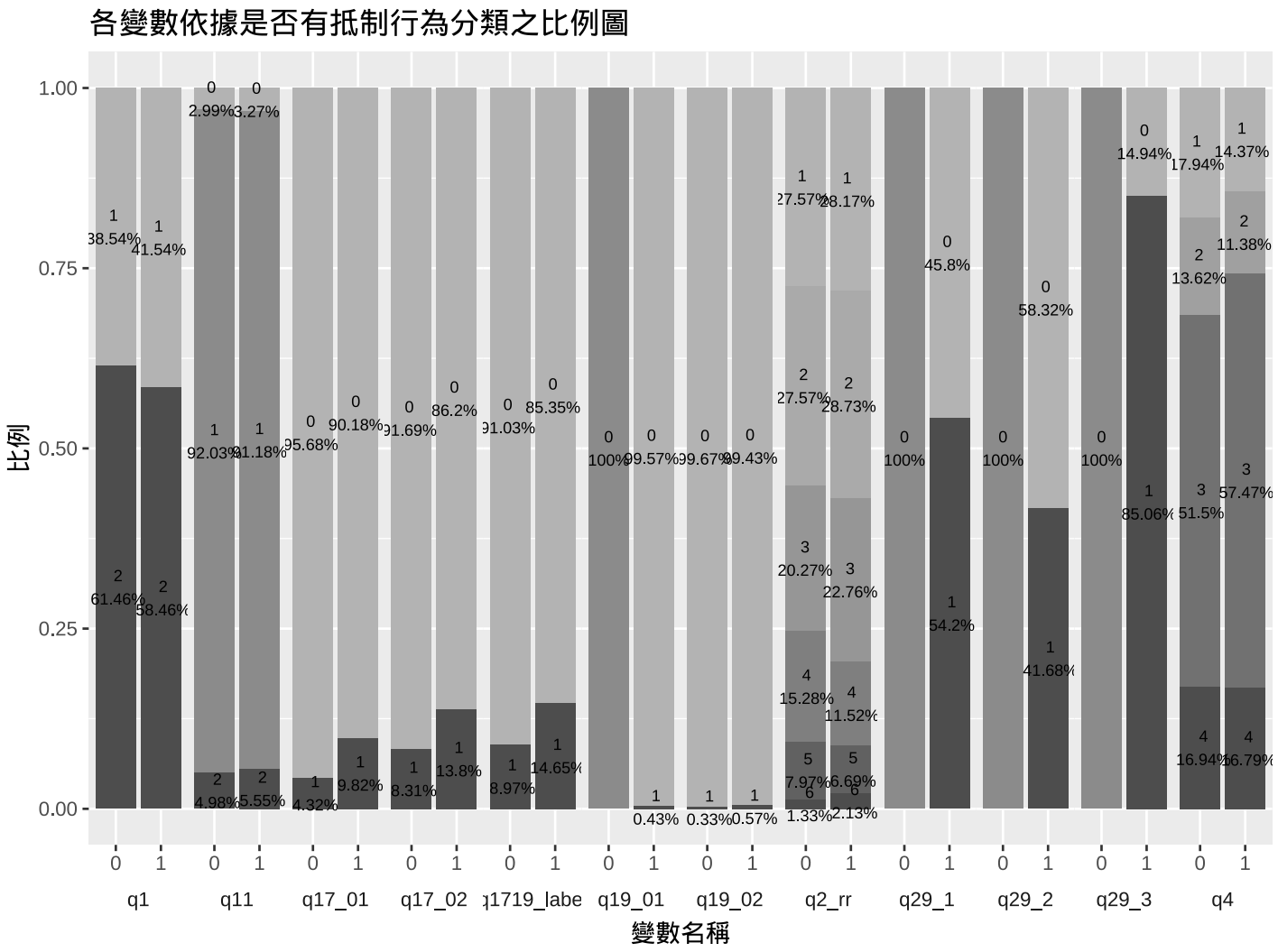
weight

n	missing	distinct	Info	Mean	Gmd	.05	.10	.25	.50	.75	.90	.95
1004	0	13	0.48	0.5647	0.9876	0	0	0	0	0	2	3

Value	0	1	2	3	4	5	6	7	8	12	13	14	20
Frequency	807	48	60	42	26	9	3	2	1	2	2	1	1
Proportion	0.804	0.048	0.060	0.042	0.026	0.009	0.003	0.002	0.001	0.002	0.002	0.001	0.001

For the frequency table, variable is rounded to the nearest 0

各變數依有無抵制行為分類畫比例圖



t-SNE visualization

tuning parameters

參數待微調

Logistic regression model

可以知道有使用 youtube 和 twitch 的人、越不能接受別人因為一些因素而罵他的人做出抵制行為的機率越小，越常做出網路攻擊行為和看到別人的攻擊行為、越想抵制名人的話就越有可能做出抵制行為。

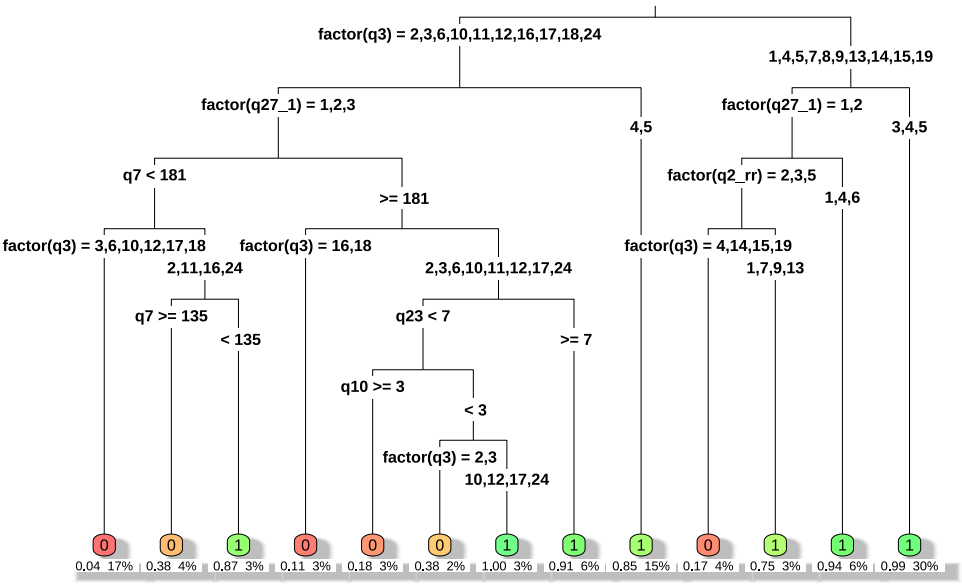
	Estimate	Std. Error	z value	Pr(>|z|)
(Intercept)	17.972770697	2.053512e+03	0.0087522122	9.930168e-01
factor(q1)2	0.586120094	3.324022e-01	1.7632859725	7.785227e-02
factor(q2_rr)2	-2.536188159	6.831318e-01	-3.7125896831	2.051493e-04
factor(q2_rr)3	-2.014625730	6.549718e-01	-3.0758967778	2.098705e-03
factor(q2_rr)4	-1.203166449	6.517427e-01	-1.8460759444	6.488118e-02
factor(q2_rr)5	-1.332123142	6.865353e-01	-1.9403563218	5.233640e-02
factor(q2_rr)6	-0.840123014	6.759237e-01	-1.2429257439	2.138952e-01
factor(q3)2	-19.712387116	2.053512e+03	-0.0095993545	9.923409e-01
factor(q3)3	-20.903056621	2.053512e+03	-0.0101791755	9.918783e-01
factor(q3)4	-19.367998432	2.053512e+03	-0.0094316471	9.924747e-01
factor(q3)5	-2.523410579	2.839100e+03	-0.0008888064	9.992908e-01

```
factor(q3)6    -19.870224215 2.053512e+03 -0.0096762161 9.922796e-01
factor(q3)7    -17.633490247 2.053512e+03 -0.0085869920 9.931487e-01
factor(q3)8     -1.277975266 3.099768e+03 -0.0004122809 9.996710e-01
factor(q3)9    -17.686085306 2.053512e+03 -0.0086126046 9.931282e-01
factor(q3)10   -21.445397712 2.053512e+03 -0.0104432799 9.916676e-01
factor(q3)11   -19.802792644 2.053512e+03 -0.0096433794 9.923058e-01
factor(q3)12   -20.010003248 2.053512e+03 -0.0097442848 9.922253e-01
factor(q3)13     0.392798501 3.843779e+03  0.0001021907 9.999185e-01
factor(q3)14   -18.581408151 2.053512e+03 -0.0090486009 9.927804e-01
factor(q3)15   -18.368380875 2.053512e+03 -0.0089448628 9.928631e-01
factor(q3)16   -20.626086952 2.053512e+03 -0.0100442996 9.919859e-01
factor(q3)17   -20.007910117 2.053512e+03 -0.0097432651 9.922261e-01
factor(q3)18   -23.546221003 2.053512e+03 -0.0114663180 9.908514e-01
factor(q3)19   -20.456375727 2.053513e+03 -0.0099616509 9.920519e-01
factor(q3)24   -19.819564035 2.053512e+03 -0.0096515459 9.922993e-01
q6              -0.001653256 8.773136e-04 -1.8844521759 5.950384e-02
q7               0.002243986 1.026513e-03  2.1860278567 2.881357e-02
q10             -0.270115393 1.349953e-01 -2.0009238268 4.540060e-02
q22              0.138963452 5.461795e-02  2.5442815452 1.095028e-02
q26              0.128027503 6.387838e-02  2.0042383716 4.504453e-02
factor(q27_1)2  -0.226373854 5.862650e-01 -0.3861288664 6.994012e-01
factor(q27_1)3   1.324659946 5.683250e-01  2.3308140961 1.976316e-02
factor(q27_1)4   2.783714178 6.201382e-01  4.4888610480 7.160498e-06
factor(q27_1)5  18.719202402 1.201270e+03  0.0155828373 9.875672e-01
```

```
                    Estimate   Std. Error       z value     Pr(>|z|)
(Intercept)     1.757788e+01 2.032135e+03  0.0086499579 9.930984e-01
factor(q1)2     7.701609e-01 3.527525e-01  2.1832896778 2.901448e-02
factor(q2_rr)2 -2.292384e+00 7.622546e-01 -3.0073732853 2.635160e-03
factor(q2_rr)3 -1.872373e+00 7.412914e-01 -2.5258261211 1.154266e-02
factor(q2_rr)4 -9.433072e-01 7.676101e-01 -1.2288885441 2.191136e-01
factor(q2_rr)5 -1.110225e+00 7.929079e-01 -1.4001937671 1.614553e-01
factor(q2_rr)6 -1.004850e+00 8.191591e-01 -1.2266844098 2.199412e-01
factor(q3)2    -1.952186e+01 2.032134e+03 -0.0096065817 9.923352e-01
factor(q3)3    -2.082637e+01 2.032134e+03 -0.0102485222 9.918230e-01
factor(q3)4    -1.922809e+01 2.032134e+03 -0.0094620170 9.924505e-01
factor(q3)5    -2.449064e+00 2.815358e+03 -0.0008698941 9.993059e-01
factor(q3)6    -1.967576e+01 2.032134e+03 -0.0096823114 9.922748e-01
factor(q3)7    -1.794751e+01 2.032135e+03 -0.0088318500 9.929533e-01
factor(q3)8    -1.118786e+00 3.081688e+03 -0.0003630432 9.997103e-01
factor(q3)9    -1.756905e+01 2.032134e+03 -0.0086456147 9.931019e-01
factor(q3)10   -2.113079e+01 2.032134e+03 -0.0103983236 9.917035e-01
factor(q3)11   -1.980935e+01 2.032134e+03 -0.0097480505 9.922223e-01
factor(q3)12   -1.947339e+01 2.032134e+03 -0.0095827291 9.923542e-01
factor(q3)13    5.614072e-01 3.838495e+03  0.0001462571 9.998833e-01
factor(q3)14   -1.837395e+01 2.032134e+03 -0.0090417004 9.927859e-01
factor(q3)15   -1.837921e+01 2.032134e+03 -0.0090442867 9.927838e-01
factor(q3)16   -2.061433e+01 2.032134e+03 -0.0101441777 9.919063e-01
factor(q3)17   -1.971335e+01 2.032134e+03 -0.0097008091 9.922600e-01
factor(q3)18   -2.353457e+01 2.032135e+03 -0.0115812070 9.907597e-01
factor(q3)19   -2.055260e+01 2.032135e+03 -0.0101137938 9.919305e-01
factor(q3)24   -1.973666e+01 2.032135e+03 -0.0097122782 9.922508e-01
factor(q4)2     6.319482e-01 6.312373e-01  1.0011261804 3.167658e-01
factor(q4)3     3.666215e-01 7.890667e-01  0.4646267795 6.421988e-01
factor(q4)4     1.744739e+01 2.395606e+03  0.0072830812 9.941890e-01
q5_1            5.370674e-02 7.666476e-02  0.7005401528 4.835900e-01
q6             -1.623915e-03 9.530133e-04 -1.7039796292 8.838489e-02
q7              2.052224e-03 1.060171e-03  1.9357480885 5.289856e-02
q10            -2.971685e-01 1.470625e-01 -2.0206956198 4.331128e-02
```

```
factor(q11)1   -4.334760e-01 6.886826e-01 -0.6294278647 5.290690e-01
factor(q11)2    1.620634e+01 3.608326e+03  0.0044913743 9.964164e-01
q1719_label     6.929317e-03 8.330278e-01  0.0083182303 9.933631e-01
q20             1.506445e-04 1.113231e-01  0.0013532193 9.989203e-01
q22             1.152719e-01 6.242020e-02  1.8467076799 6.478952e-02
q23             2.842957e-02 8.975499e-02  0.3167464280 7.514360e-01
q24            -9.946681e-03 6.527055e-02 -0.1523915553 8.788781e-01
q25             2.617104e-02 4.389193e-02  0.5962609771 5.510009e-01
q26             1.358364e-01 6.951334e-02  1.9541054930 5.068874e-02
factor(q27_1)2 -2.017278e-01 6.322984e-01 -0.3190389689 7.496970e-01
factor(q27_1)3  1.408824e+00 6.119124e-01  2.3023300478 2.131657e-02
factor(q27_1)4  2.838426e+00 6.616495e-01  4.2899236768 1.787345e-05
factor(q27_1)5  1.883027e+01 1.189890e+03  0.0158252115 9.873738e-01
```

Decision tree



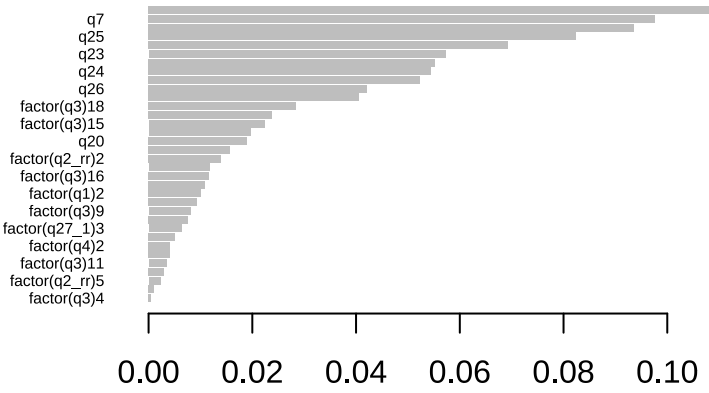
glmnet

```
Call:  cv.glmnet(x = x, y = y, family = "binomial", alpha = 1)

Measure: Binomial Deviance

     Lambda Index Measure      SE Nonzero
min 0.00732    30   1.060 0.03119      29
1se 0.03906    12   1.086 0.02696       5
```

XGboost

```
          Feature         Gain        Cover   Frequency
           <char>        <num>        <num>       <num>
 1: factor(q27_1)2 0.1128759012 0.0590628213 0.032407407
 2:             q7 0.0977061430 0.0702257340 0.125000000
 3:   factor(q3)10 0.0936159549 0.0567736714 0.019675926
 4:            q25 0.0824015984 0.0910425124 0.127314815
 5:            q22 0.0692224553 0.0829205730 0.087962963
 6:            q23 0.0572483615 0.0517309947 0.060185185
 7:             q6 0.0552135514 0.0737725786 0.125000000
```

```
 8:            q24 0.0544638950 0.0806648611 0.083333333
 9:            q10 0.0523707205 0.0423509160 0.053240741
10:            q26 0.0421426514 0.0430806781 0.061342593
11: factor(q27_1)4 0.0405067368 0.0529923883 0.030092593
12:   factor(q3)18 0.0284451479 0.0520482021 0.012731481
13: factor(q2_rr)3 0.0238096201 0.0155157192 0.011574074
14:   factor(q3)15 0.0223570999 0.0266048660 0.015046296
15:    factor(q3)2 0.0196383555 0.0207572426 0.011574074
16:            q20 0.0189052801 0.0190093639 0.015046296
17: factor(q2_rr)6 0.0157096757 0.0149138875 0.006944444
18: factor(q2_rr)2 0.0139847794 0.0101126917 0.008101852
19: factor(q27_1)5 0.0117423804 0.0360037133 0.008101852
20:   factor(q3)16 0.0116340822 0.0091687703 0.004629630
21:    factor(q3)3 0.0108378529 0.0187185410 0.006944444
22:    factor(q1)2 0.0100867263 0.0130830958 0.035879630
23: factor(q2_rr)4 0.0093295293 0.0074093532 0.010416667
24:    factor(q3)9 0.0080827516 0.0144206535 0.004629630
25:   factor(q11)1 0.0076036565 0.0045127815 0.002314815
26: factor(q27_1)3 0.0063441097 0.0072626918 0.011574074
27:          q5_1 0.0050876578 0.0052149845 0.010416667
28:    factor(q4)2 0.0041986496 0.0056375495 0.003472222
29:   factor(q3)14 0.0041711875 0.0073597458 0.002314815
30:   factor(q3)11 0.0034710446 0.0016538537 0.001157407
31:    factor(q3)7 0.0030501195 0.0006707035 0.001157407
32: factor(q2_rr)5 0.0023068352 0.0031057542 0.008101852
33:    factor(q3)6 0.0010353498 0.0017146669 0.001157407
34:    factor(q3)4 0.0004001392 0.0004834399 0.001157407
```



抵制程度與其他因素之關聯分析

Canonical analysis and PCA

```
[1] 0.5484909 0.3032351 0.2136809
```

```
                    [,1]        [,2]
q2            -0.3584664  0.06572691
q4             0.3911103  0.19573708
q6             0.2667750 -0.12495481
q7             0.2588039 -0.22304586
q10            0.3492110  0.13223616
q11            0.2739053  0.15702499
q1719_label    0.2710477  0.17087136
q20            0.1326107  0.40533758
q22            0.5888084  0.06673522
q23            0.3130277  0.30211707
```

```
q24             0.4663135  0.01167462
q25             0.1352137  0.17011910
q26             0.5519676 -0.02886869
q29_1           0.3359433  0.16826048
q29_2          -0.1750348  0.25276601
q29_3           0.3191000 -0.08470257
q31_1           0.3283443 -0.61374395
q33_1           0.5565760  0.06789128
q34_1           0.1197939 -0.40217525
q36_1           0.3712339  0.01853303
q29_1_2_inter   0.1347307  0.28539696
q29_1_3_inter   0.3961883  0.11665606
q40            -0.3486927 -0.31966715
q42_1          -0.3573373 -0.21257935
```

```
            [,1]       [,2]
q30_1 0.4960180 -0.1574662
q32_1 0.2988692 -0.9441093
q35_1 0.9648598  0.1609171
```

```
[1] 0.7330 0.3386
```

```
[1] 0.3166 0.2355
```

```
[1] 0.2205 0.0312
```

```
[1] 0.0952 0.0217
```

參考文獻

台灣消費者抵制行為之研究 —以台商親中言論衍生之抵制為例 (https://www.airitilibrary.com/Article/Detail/U0004-G0107932056)