Regression analysis of flood risk perception

Table S1

Regression analysis in gender group.

Variable	Standardized coefficient	
	Males	Females
Flood risk knowledge	0.815***	0.841***
Flood risk worry	0.087**	0.043*
Government trust	0.105**	0.090***
Flood disaster education	0.062*	0.042
Flood experience	-0.015	0.027
R^2	0.768	0.812
Adjusted R^2	0.764	0.810
F	209.864	352.248

*** P < 0.001, ** P < 0.01, * P < 0.05

Table S2

Regression analysis in age group.

Variable	Standardized coefficient	
	Elder	Non-elder (young and middle-aged)
Flood risk knowledge	0.828***	0.823***
Flood risk worry	0.128**	0.059**
Government trust	0.060	0.101***
Flood disaster education	0.042	0.056**
Flood experience	0.028	0.007
R^2	0.780	0.792
Adjusted R^2	0.767	0.790
F	58.303	488.224

Table S3

Regression analysis in group of education level.

Variable	Standardized coefficient	
	High education level	Low education level
Flood risk knowledge	0.817***	0.831***
Flood risk worry	0.041	0.109***
Government trust	0.124***	0.054
Flood disaster education	0.025	0.093***
Flood experience	0.013	-0.008
R^2	0.807	0.778
Adjusted R^2	0.804	0.775
F	346.002	217.902

Table S4

Regression analysis in group of living time.

Variable	Standardized coefficient	
	Long living time	Short living time
Flood risk knowledge	0.829***	0.734***
Flood risk worry	0.051*	0.111
Government trust	0.064*	0.187**
Flood disaster education	0.083**	0.042
Flood experience	0.018	-0.012
R^2	0.767	0.801
Adjusted R^2	0.764	0.782
F	245.078	41.063

Table S5

Regression analysis in group of health condition.

Variable	Standardized coefficient	
	Good health condition	Bad health condition
Flood risk knowledge	0.821***	0.824***
Flood risk worry	0.059***	0.228
Government trust	0.107***	-0.099
Flood disaster education	0.046*	0.373
Flood experience	0.017	0.082
R^2	0.788	0.801
Adjusted R^2	0.787	0.702
F	458.429	8.066

Table S6

Regression analysis in group of exercising situation.

Variable	Standardized coefficient	
	Regular exercising	Not exercising
Flood risk knowledge	0.833***	0.817***
Flood risk worry	0.076***	0.056*
Government trust	0.097***	0.091***
Flood disaster education	0.026	0.090***
Flood experience	0.024	-0.009
R^2	0.792	0.793
Adjusted R^2	0.789	0.790
F	337.860	214.957

Table S7

Regression analysis in group of life style.

Variable	Standardized coefficient	
	Smoking	Not smoking

Flood risk knowledge	0.815***	0.831***
Flood risk worry	0.093*	0.063***
Government trust	0.118***	0.086***
Flood disaster education	0.111***	0.041*
Flood experience	-0.015	0.009
R^2	0.815	0.784
Adjusted R^2	0.808	0.782
F	116.896	429.389

Regression analysis of flood preparedness

Table S8

Regression analysis of risk perception group.

Variable	Standardized coefficient	
	High risk perception	Low risk perception
Threat appraisal	0.226***	0.309**
Flood risk knowledge	0.103***	0.039
Flood risk worry	0.162***	-0.060
Government trust	0.123*	0.126
Flood disaster education	0.213**	0.060
Flood experience	-0.171	0.051
R^2	0.166	0.119
Adjusted R^2	0.158	0.083
F	18.984	3.300

Table S9

Regression analysis of response intention group.

Variable	Standardized coefficient	
	High response intention	Low response intention
Threat appraisal	0.216***	0.211***
Flood risk knowledge	0.217***	0.082
Flood risk worry	0.069	0.097
Government trust	0.193***	0.172**
Flood disaster education	0.106*	0.067
Flood experience	-0.112*	-0.006
R^2	0.249	0.120
Adjusted R^2	0.234	0.107
F	16.906	9.172

Table S10

Regression analysis in gender group.

Variable	Standardized coefficient	
	Males	Females
Threat appraisal	0.263***	0.154***
Flood risk knowledge	0.192**	0.090
Flood risk worry	0.028	0.089
Government trust	0.240***	0.141**
Flood disaster education	0.044	0.123*
Flood experience	-0.060	-0.075
R^2	0.272	0.135
Adjusted R^2	0.258	0.122

F	19.665	10.569

Table S11

Regression analysis in age group.

Variable	Standardized coefficient	
	Elder	Non-elder
Threat appraisal	0.237*	0.217***
Flood risk knowledge	0.206	0.136**
Flood risk worry	-0.062	0.083*
Government trust	0.319**	0.155***
Flood disaster education	-0.081	0.096*
Flood experience	-0.050	-0.086*
R^2	0.252	0.186
Adjusted R^2	0.197	0.178
F	4.560	24.446

Table S12

Regression analysis in group of education level.

Variable	Standardized coefficient	
	High education level	Low education level
Threat appraisal	0.276***	0.180***
Flood risk knowledge	0.065	0.226***
Flood risk worry	0.088*	0.036
Government trust	0.152**	0.205***
Flood disaster education	0.085	0.049
Flood experience	-0.102*	-0.011
R^2	0.199	0.191
Adjusted R^2	0.187	0.176
F	17.144	12.194

Table S13

Regression analysis in group of living time.

Variable	Standardized coefficient	
	Long	Short
Threat appraisal	0.204***	0.352*
Flood risk knowledge	0.180***	-0.059
Flood risk worry	0.076	-0.113
Government trust	0.169***	-0.017
Flood disaster education	0.102*	0.031
Flood experience	-0.005	-0.209
R^2	0.184	0.161
Adjusted R^2	0.171	0.061
F	14.018	1.602

Table S14

Regression analysis in group of health condition.

Variable	Standardized coefficient	
	Bad	Good
Threat appraisal	0.602	0.172***
Flood risk knowledge	0.292	0.127**
Flood risk worry	-0.125	0.105***
Government trust	0.394	0.192***
Flood disaster education	-0.246	0.078*
Flood experience	0.016	-0.091*
R^2	0.531	0.170
Adjusted R^2	0.219	0.161
F	1.700	20.897

Table S15

Regression analysis in group of exercising situation.

Variable	Standardized coefficient	
	Regular exercising	Not exercising
Threat appraisal	0.208	0.207***
Flood risk knowledge	0.137*	0.147**
Flood risk worry	0.045	0.108
Government trust	0.218**	0.116***
Flood disaster education	0.026	0.147
Flood experience	-0.048	-0.113*
R^2	0.175	0.214
Adjusted R^2	0.164	0.198
F	15.750	12.692

Table S16

Regression analysis in group of life style.

Variable	Standardized coefficient	
	Smoking	Not smoking
Threat appraisal	0.159***	0.229***
Flood risk knowledge	0.210**	0.119*
Flood risk worry	0.103	0.064*
Government trust	0.238***	0.161
Flood disaster education	0.076	0.076*
Flood experience	-0.072	-0.078*
R^2	0.246	0.171
Adjusted R^2	0.211	0.163
F	7.165	20.374

Analysis results of influence path

Table S17

Regression results of path analysis (health condition – flood preparedness).

Variable	M: Response intention						Y: Flood preparedness					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Threat appraisal	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.3128	0.0449	6.9724	0.0000	0.2247	0.4009
M: Response intention	—	—	—	—	—	—	0.1737	0.0344	5.0540	0.0000	0.1062	0.2412
W: Health condition	—	—	—	—	—	—	0.0873	0.0325	2.6833	0.0075	0.0234	0.1512
X×W	—	—	—	—	—	—	-0.1090	0.0501	-2.1774	0.0298	-0.2074	-0.0107
Intercept	2.8680	0.0277	103.6208	0.0000	2.8137	2.9223	3.5593	0.1020	34.9055	0.0000	3.3591	3.7595
R^2	0.0939						0.1458					
F	76.1473						31.2232					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Health condition	Effect	se	t	p	LLCI	ULCI
M-SD	-.8010	.4002	.0612	6.5424	.0000	.2801	.5202
0	.0000	.3128	.0449	6.9724	.0000	.2247	.4009
M+SD	.6879	.2378	.0557	4.2727	.0000	.1285	.3471

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0689	.0158	.0402	.1031

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0913	.0202	.0546	.1345

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0556	.0123	.0330	.0816

Note: independent variable (X), dependent variable (Y), mediator variable (M),

moderator variable (W).

Table S18

Regression results of path analysis (education level – flood preparedness).

Variable	M: Response intention						Y: Flood preparedness					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Threat appraisal	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.3342	0.0446	7.4883	0.0000	0.2466	0.4218
M: Response intention	—	—	—	—	—	—	0.1776	0.0346	5.1382	0.0000	0.1097	0.2455
W: Education level	—	—	—	—	—	—	0.0587	0.0238	2.4703	0.0137	0.0121	0.1054
X×W	—	—	—	—	—	—	0.1119	0.0388	2.8852	0.0040	0.0358	0.1880
Intercept	2.8680	0.0277	103.6208	0.0000	2.8137	2.9223	3.5442	0.1025	34.5865	0.0000	3.3430	3.7453
R^2	0.0939						0.1459					
F	76.1473						31.2649					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Education level	Effect	se	t	p	LLCI	ULCI
M-SD	-1.1000	.2111	.0595	3.5472	.0004	.0943	.3279
0	.0000	.3342	.0446	7.4883	.0000	.2466	.4218
M+SD	1.1000	.4573	.0639	7.1570	.0000	.3318	.5827

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0705	.0162	.0413	.1048

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0933	.0207	.0554	.1367

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0568	.0126	.0338	.0828

Table S19

Regression results of path analysis (gender – threat appraisal– flood appraisal).

Variable	M: Response intention						Y: Flood preparedness					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Threat appraisal	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.3051	0.0445	6.8628	0.0000	0.2178	0.3924
M: Response intention	—	—	—	—	—	—	0.1786	0.034	5.2488	0.0000	0.1118	0.2454
W: Gender	—	—	—	—	—	—	0.2376	0.0515	4.6156	0.0000	0.1365	0.3386
X×W	—	—	—	—	—	—	-0.2146	0.0839	-2.5569	0.0108	-0.3794	-0.0498
Intercept	2.868	0.0277	103.6208	0.0000	2.8137	2.9223	3.5399	0.1009	35.0902	0.0000	3.3418	3.7379
R^2	0.0939						0.1628					
F	76.1473						35.5789					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Gender	Effect	se	t	p	LLCI	ULCI
M-SD	-.5617	.4257	.0605	7.0385	.0000	.3069	.5444
M+SD	.4383	.2111	.0613	3.4451	.0006	.0908	.3313

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0709	.0161	.0409	.1052

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0939	.0205	.0552	.1365

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0572	.0125	.0335	.0831

Table S20

Regression results of path analysis (gender – coping appraisal – flood appraisal).

Variable	M: Response intention						Y: Flood preparedness					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Coping appraisal	0.447	0.0217	20.5714	0.0000	0.4043	0.4897	0.1318	0.0308	4.2835	0.0000	0.0714	0.1922
M: Response intention	—	—	—	—	—	—	0.1471	0.0415	3.5446	0.0004	0.0656	0.2286
W: Gender	—	—	—	—	—	—	0.2612	0.0525	4.9764	0.0000	0.1582	0.3642
X×W	—	—	—	—	—	—	-0.1539	0.0491	-3.1354	0.0018	-0.2502	-0.0575
Intercept	2.868	0.0232	123.8185	0.0000	2.8225	2.9135	3.6249	0.1219	29.7248	0.0000	3.3855	3.8643
R^2	0.3654						0.1314					
F	423.1826						27.6881					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Gender	Effect	se	t	p	LLCI	ULCI
M-SD	-.5617	.2182	.0396	5.5135	.0000	.1405	.2959
M+SD	.4383	.0644	.0390	1.6519	.0990	-.0121	.1409

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0658	.0184	.0305	.1017

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0871	.0242	.0404	.1346

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0929	.0259	.0430	.1440

Table S21

Regression results of path analysis (health condition – preventive behavior).

Variable	M: Response intention						Y: Preventive behavior					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
0.0000	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.3455	0.0512	6.7474	0.0000	0.245	0.4461
M: Response intention	—	—	—	—	—	—	0.2144	0.0392	5.4659	0.0000	0.1374	0.2914
W: Health condition	—	—	—	—	—	—	0.1251	0.0371	3.3679	0.0008	0.0522	0.198
X×W	—	—	—	—	—	—	-0.1464	0.0572	-2.5604	0.0107	-0.2586	-0.0341
0.0000	2.868	0.0277	103.6208	0.0000	2.8137	2.9223	3.2423	0.1164	27.8567	0.0000	3.0138	3.4708
R^2	0.0939						0.1558					
F	76.1473						33.7706					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Health condition	Effect	se	t	p	LLCI	ULCI
M-SD	-.8010	.4628	.0698	6.6286	.0000	.3257	.5998
0	.0000	.3455	.0512	6.7474	.0000	.2450	.4461
M+SD	.6879	.2448	.0635	3.8542	.0001	.1201	.3696

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0851	.0179	.0523	.1216

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0981	.0199	.0609	.1375

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0598	.0121	.0369	.0837

Table S22

Regression results of path analysis (education level – preventive behavior).

Variable	M: Response intention						Y: Preventive behavior					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Threat appraisal	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.3727	0.0511	7.2866	0.0000	0.2723	0.4731
M: Response intention	—	—	—	—	—	—	0.2209	0.0396	5.575	0.0000	0.1431	0.2986
W: Education level	—	—	—	—	—	—	0.0761	0.0272	2.7947	0.0053	0.0226	0.1296
X×W	—	—	—	—	—	—	0.1159	0.0445	2.607	0.0093	0.0286	0.2032
Intercept	2.868	0.0277	103.6208	0.0000	2.8137	2.9223	3.2177	0.1174	27.396	0.0000	2.9871	3.4482
R^2	0.0939						0.1489					
F	76.1473						32.0234					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Education level	Effect	se	t	p	LLCI	ULCI
M-SD	-1.1000	.2452	.0682	3.5954	.0003	.1113	.3791
0	.0000	.3727	.0511	7.2866	.0000	.2723	.4731
M+SD	1.1000	.5002	.0732	6.8304	.0000	.3564	.6440

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0877	.0184	.0539	.1263

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.1011	.0205	.0633	.1434

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0615	.0125	.0383	.0872

Table S23

Regression results of path analysis (gender – threat appraisal – adaptive behavior).

Variable	M: Response intention						Y: Adaptive behavior					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Threat appraisal	0.3969	0.0455	8.7262	0.0000	0.3076	0.4862	0.2671	0.0482	5.5477	0.0000	0.1726	0.3617
M: Response intention	—	—	—	—	—	—	0.1374	0.0369	3.7269	0.0002	0.0650	0.2097
W: Gender	—	—	—	—	—	—	0.1994	0.0557	3.5772	0.0004	0.0900	0.3089
X×W	—	—	—	—	—	—	-0.2241	0.0909	-2.4654	0.0139	-0.4026	-0.0457
Intercept	2.8680	0.0277	103.6208	0.0000	2.8137	2.9223	3.8608	0.1093	35.3346	0.0000	3.6463	4.0753
R^2	0.0939						0.1072					
F	76.1473						21.9689					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Gender	Effect	se	t	p	LLCI	ULCI
M-SD	-.5617	.3931	.0655	6.0004	.0000	.2645	.5217
M+SD	.4383	.1689	.0664	2.5456	.0111	.0386	.2992

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0545	.0160	.0249	.0888

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0688	.0198	.0320	.1113

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.0419	.0120	.0195	.0676

Table S24

Regression results of path analysis (gender – coping appraisal – preventive behavior).

Variable	M: Response intention						Y: Preventive behavior					
	β	SE	t	p	LLCI	ULCI	*β*	SE	t	p	LLCI	ULCI
X: Coping appraisal	0.4470	0.0217	20.5714	0.0000	0.4043	0.4897	0.0950	0.0356	2.6698	0.0078	0.0252	0.1649
M: Response intention	—	—	—	—	—	—	0.2270	0.0480	4.7266	0.0000	0.1327	0.3213
W: Gender	—	—	—	—	—	—	0.2967	0.0607	4.8851	0.0000	0.1774	0.4159
X×W	—	—	—	—	—	—	-0.1306	0.0568	-2.2997	0.0217	-0.2420	-0.0191
Intercept	2.8680	0.0232	123.8185	0.0000	2.8225	2.9135	3.1939	0.1411	22.6373	0.0000	2.9169	3.4709
R^2	0.3654						0.1181					
F	423.1826						24.4996					
p	p<0.001						p<0.001					

Moderating effect of W on X and Y:

	Gender	Effect	se	t	p	LLCI	ULCI
M-SD	-.5617	.1684	.0458	3.6770	.0003	.0785	.2583
M+SD	.4383	.0378	.0451	.8389	.4018	-.0507	.1263

Indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.1015	.0211	.0612	.1433

Partially standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.1170	.0239	.0709	.1645

Completely standardized indirect effect(s) of X on Y:

Variable	Effect	BootSE	BootLLCI	BootULCI
Response intention	.1248	.0256	.0756	.1755

Flood Risk Perception Questionnaire

Questionnaire Number: Home Address:

Survey Date: Year Month Day Investigator Name:

Hello! Global warming has become an important topic of concern to people in the world today. In order to understand the public risk perception of flood disasters, research team of Jiangsu University is conducting a public welfare survey. The information collected by this survey is used for scientific research purposes only and we will keep the survey data strictly confidential. Thank you very much for support and help!

1. Flood risk perception

1.1 Threat appraisal

1. Do you care about floods and their impacts?

1	2	3	4	5
least	less	generally	more	most

2. Do you understand the causes of flooding?

1	2	3	4	5
least	less	generally	more	most

3. How much do you think floods will affect you?

1	2	3	4	5
least	less	generally	more	most

4. Do you think floods will cause damage to urban infrastructure after occurrence?

☐ Yes ☐ No

5. Do you think the occurrence of floods is seasonal?

☐Yes ☐ No

1.2 Coping appraisal

1. Do you agree that there are a number of measures that humanity can take to mitigate the effects of floods?

1	2	3	4	5
least	less	generally	more	most

2. How well do you know about evacuation routes within a 3 km radius of your home address?

1 2 3 4 5

least less generally more most

3. How well you know how often floods occur within a 3 km radius of your home address?

1 2 3 4 5

least less generally more most

4. How well you know about the intensity of a flood disaster within a 3 km radius of your home address?

1 2 3 4 5

least less generally more most

5. How well you know about the flood-prone areas within a 3 km radius of your home address?

1 2 3 4 5

least less generally more most

6. How well do you know about the disaster losses of flood disasters within a 3 km radius of your home address?

1 2 3 4 5

least less generally more most

2. Flood preparedness

2.1 Adaptive behavior

The following are some specific response behaviors during flood events. 1-5 is least to most. Please draw on the corresponding option (check √)。

Number	Question	1	2	3	4	5
1	Reduce going out during floods					
2	Pay attention to flood information					
3	Extra stock with some food and drinking water					
4	Disinfect your accommodation					
5	Learn about your local government's flood control plan					

6	When the disaster is serious, turn off the gas valve and the power switch					
7	Avoid power facilities such as high-voltage power lines					
8	Seek medical attention in time if you are unwell					

(2) Preventive behavior

The following are some specific response behaviors during flood events. 1-5 is least to most, and please draw on the corresponding option (check √)。

Number	Question	1	2	3	4	5
1	Regularly check the drainage system in your home					
2	Develop household flood response plans					
3	Emergency supplies such as first aid kits are available					
4	Listen to the weather forecast every day and follow flood warning messages					
5	Conduct flood hazard avoidance exercises					
6	Wash your hands frequently and pay attention to personal hygiene					
7	Place valuables in a place that will not be flooded					
8	Purchase flood disaster insurance					

3. Response intention

3.1 Flood experience

1. Have you experienced flooding in the last five years?

☐Yes☐, no?

3.2 Flood disaster education

1. If you have received the following forms of flood disaster education, please draw √ on the corresponding options, and you can select more than one:

Classroom education	Promotional posters	Television program	Broadcast	Network information

3.3 Flood risk worry

Here are a few questions that investigate your mood in the face of floods, and then indicate the extent of the question after each question, based on how you actually feel about the flood disaster.

1. Are you worried about floods?

☐ Yes ☐ No

If yes, then choose what you will do because of worry

☐Learn the knowledge of flood avoidance

☐ Purchase flood disaster insurance

☐ Conduct flood disaster avoidance exercises

☐ Formulate household flood response plans

☐ Prepare emergency supplies such as first aid kits

☐ Pay attention to flood early warning information

☐Learn about your local government's flood control plan

3.4 Flood risk knowledge

Here is some knowledge related to local flood disasters, and please indicate how well you know about local flood disasters. 1-5 is least to most. Please draw √ on the corresponding option.

Number	Question	1	2	3	4	5
1	How well do you know how often floods occur in your city?					
2	How well do you know the intensity of flooding in your city?					
3	How well do you know about the flood-prone areas of your city?					
4	How well do you know about the disaster losses of flood disasters in your city?					
5	How well do you know about disaster policies proposed by the government of your city?					

3.5 Government trust

1. Do you understand the government’s early warning mechanism for flood disasters?

1	2	3	4	5
least	less	generally	more	most

2. Do you know the government's emergency response to floods?

1	2	3	4	5
least	less	generally	more	most

3. Do you know about the government's campaign to prevent floods?

1	2	3	4	5
least	less	generally	more	most

4. Do you know how to contact the government flood response department?

1	2	3	4	5
least	less	generally	more	most

5. Do you think the government's response to floods has been swift?

1	2	3	4	5
least	less	generally	more	most

4. Basic information of respondents

1. Gender: ☐Male Female☐

2. Age:_____years old

3. Height:_____cm, weight:_____kg

5. Your highest level of education:

☐ Elementary school

☐ Junior high

☐ High school

☐ Undergraduate

☐ Postgraduate and above

7. You have lived in the city for____ years.

8. What do you think of your health?

1	2	3	4	5
Very poor	Poor	General	Good	Excellent

9. Have you been diagnosed with the following health conditions by the hospital?

(Multiple selections are available).

☐Hepatitis ☐Cholera ☐Dysentery ☐High Cholesterol

☐Coronary Heart Disease ☐Angina☐ Myocardial Infarction

☐Chronic Bronchitis ☐Asthma ☐Other Respiratory Diseases

☐I have never been diagnosed with these problems

10. Do you smoke?

☐Yes ☐No

11. Do you have a habit of exercising regularly?

☐Yes ☐ No