

Supplementary File*

I. The Survey questionnaire**

- This survey is being conducted at the request of the research institute. The purpose of the survey is to investigate your views on the relationship between those of us living today and those who will live in the future, and includes the following questions; questions about educational background, and questions about political party affiliation.
- If you find it difficult to continue answering during the survey, please feel free to stop.
- All survey responses will be processed in such a way that individuals cannot be identified.
- We understand that some questions may be difficult to answer, but we appreciate your understanding of the purpose of the survey and your cooperation. We may also ask you some questions about yourself and your family.

- We who live today and those who will live in the future are separated by time and cannot speak directly to each other, nor make social decisions around the same table. However, we and people in the future do not live on separate planets, and our actions could have a positive or negative impact on people in the future, separated by time.
- With this in mind, please answer the following questions.

Q1 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to ensure that the degree of well-being of those who will live in the future is the same as that of ourselves."

Supplementary explanation: Assume that we can measure the happiness we feel and the happiness that people in the future will feel. This view then requires that we behave in such a way that our happiness and the happiness of future people will be of comparable levels.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

View: "We, the people living today, need to ensure that the degree of well-being of those who will live in the future is the same as that of ourselves."

Supplementary explanation: Assume that we can measure the happiness we feel and the happiness that people in the future will feel. This view then requires that we behave in such a way that our happiness and the happiness of future people

* This is a supplementary file of "The Role of Moral Principles in Resolving Intergenerational Conflicts of Interest," Toshiaki Hiromitsu, 2024, *Politics and Governance*, 12, 7722.

** This questionnaire is a translation from Japanese.

will be of comparable levels.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way.
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q2 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to maximize the sum of the well-being of ourselves and those who will live in the future."

Supplementary explanation: Assume that we can sum up the happiness we feel and the happiness that people in the future will feel. This view then requires us to behave in a way that aims to make the total of those sums the greatest.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

View: "We, the people living today, need to maximize the sum of the well-being of ourselves and those who will live in the future."

Supplementary explanation: Assume that we can sum up the happiness we feel and the happiness that people in the future will feel. This view then requires us to behave in a way that aims to make the total of those sums the greatest.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way.
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q3 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people of today and those of the future, are members of the same community, and we need to increase the well-being of those in the future as well as our own."

Supplementary explanation: This view is based on the recognition that we and the people of the future belong to the same community, such as society. This view demands that we behave in a way that aims to increase not only our own well-being, but also that of future people.

- (1) Please select one of the following that *best describes your opinion* of the above view.
1. Very appropriate.
 2. Appropriate.
 3. Somewhat appropriate.
 4. Cannot say either way.
 5. Somewhat inappropriate.
 6. It is inappropriate.
 7. It is highly inappropriate.

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Supplementary explanation: This view is based on the recognition that we and the people of the future belong to the same community, such as society. This view demands that we behave in a way that aims to increase not only our own well-being, but also that of future people.

- (2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.
1. I am strongly willing to act.
 2. I am willing to act.
 3. I am willing to act a little.
 4. Cannot say either way.
 5. I am not willing to act so very much.
 6. I am not willing to act.
 7. I am not willing to act at all.

Q4 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to love future generations and promote their well-being."

Supplementary explanation: Our actions can have a positive or negative impact on people in the future. This view calls for us to behave in such a way that will have a positive impact on future people and increase their well-being.

- (1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

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Supplementary explanation: Our actions can have a positive or negative impact on people in the future. This view calls for us to behave in such a way that will have a positive impact on future people and increase their well-being.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way.
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q5 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to avoid causing harm to people who will live in the future."

Supplementary explanation: Our actions can have a positive or negative impact on people in the future. This view then requires that we behave in such a way that our actions do not have such a negative impact that they could be considered harmful to future people.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

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Supplementary explanation: Our actions can have a positive or negative impact on people in the future. This view then requires that we behave in such a way that our actions do not have such a negative impact that they could be considered

harmful to future people.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q6 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to ensure that people who will live in the future will enjoy at least a satisfactory degree of well-being."

Supplementary explanation: Assume that we can measure the happiness we feel and the happiness that people in the future will feel. The view then calls for us to behave in such a way to ensure at least a certain moderate level of happiness for future people.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

View: "We, the people living today, need to ensure that people who will live in the future will enjoy at least a satisfactory degree of well-being."

Supplementary explanation: Assume that we can measure the happiness we feel and the happiness that people in the future will feel. The view then calls for us to behave in such a way to ensure at least a certain moderate level of happiness for future people.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way
5. I am not willing to act so very much.
6. I am not willing to act.

7. I am not willing to act at all.

Q7 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, have inherited the civilization and society of our ancestors. We need to develop that civilization and society further, and pass it on to people who will live in the future."

Supplementary explanation: The civilization and society in which we live is not something we created all by ourselves, but something we inherited from our ancestors. This view calls for us to behave in such a way that we can develop this civilization and society with our own hands and pass it on to future generations.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

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Supplementary explanation: The civilization and society in which we live is not something we created all by ourselves, but something we inherited from our ancestors. This view calls for us to behave in such a way that we can develop this civilization and society with our own hands and pass it on to future generations.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way.
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q8 Please answer the following questions (1) and (2) regarding the view expressed below.

View: "We, the people living today, need to ensure that humanity and civilization do not cease to exist due to our own actions."

Supplementary explanation: With lethal weapons and economic activities that have a global impact, we have come to hold a

power unparalleled in our history. This view demands that we behave in such a way that avoids a situation in which the misuse of this power results in the irreparable damage and destruction of humanity and civilization.

(1) Please select one of the following that *best describes your opinion* of the above view.

1. Very appropriate.
2. Appropriate.
3. Somewhat appropriate.
4. Cannot say either way.
5. Somewhat inappropriate.
6. It is inappropriate.
7. It is highly inappropriate.

View: "We, the people living today, need to ensure that humanity and civilization do not cease to exist due to our own actions."

Supplementary explanation: With lethal weapons and economic activities that have a global impact, we have come to hold a power unparalleled in our history. This view demands that we behave in such a way that avoids a situation in which the misuse of this power results in the irreparable damage and destruction of humanity and civilization.

(2) *Are you willing to act on your own* in accordance with the above view? Please choose one from the following.

1. I am strongly willing to act.
2. I am willing to act.
3. I am willing to act a little.
4. Cannot say either way.
5. I am not willing to act so very much.
6. I am not willing to act.
7. I am not willing to act at all.

Q9.

- **Imagine that your country is the only country in the world.**
- **Assume that climate change due to CO2 emissions is predicted to harm people in the future. Assume that you are a voter in that country and that the government has proposed a tax increase to combat climate change. Assume that the government uses views from 1 to 8 below to persuade you.**
- **Please select *all of these views that you find persuasive*. (However, if you select 9, select only 9).**

1. "We, the people living today, need to ensure that the degree of well-being of those who will live in the future is the same as that of ourselves."
2. "We, the people living today, need to maximize the sum of the well-being of ourselves and those who will live in the future."
3. "We, the people of today and those of the future, are members of the same community, and we need to increase the well-being of those in the future as well as our own."
4. "We, the people living today, need to love people who will live in the future and promote their well-being."
5. "We, the people living today, need to avoid causing harm to people who will live in the future."

6. "We, the people living today, need to ensure that people who will live in the future will enjoy at least a satisfactory degree of well-being."
7. "We, the people living today, have inherited the civilization and society of our ancestors. We need to develop that civilization and society further, and pass it on to people who will live in the future."
8. "We, the people living today, need to ensure that humanity and civilization do not cease to exist due to our own actions."
9. I do not find either view persuasive.

Q10.

- **Assume that accumulated government debt is projected to harm people in the future. Assume that you are a voter in that country and that the government has proposed a tax increase for fiscal consolidation. Assume that the government uses views from 1 to 8 below to persuade you.**
 - **Please select *all of these views that you find persuasive*. (However, if you select 9, select only 9).**
1. "We, the people living today, need to ensure that the degree of well-being of those who will live in the future is the same as that of ourselves."
 2. "We, the people living today, need to maximize the sum of the well-being of ourselves and those who will live in the future."
 3. "We, the people of today and those of the future, are members of the same community, and we need to increase the well-being of those in the future as well as our own."
 4. "We, the people living today, need to love people who will live in the future and promote their well-being."
 5. "We, the people living today, need to avoid causing harm to people who will live in the future."
 6. "We, the people living today, need to ensure that people who will live in the future will enjoy at least a satisfactory degree of well-being."
 7. "We, the people living today, have inherited the civilization and society of our ancestors. We need to develop that civilization and society further, and pass it on to people who will live in the future."
 8. "We, the people living today, need to ensure that humanity and civilization do not cease to exist due to our own actions."
 9. I do not find either view persuasive.

II. Supplementary tables

Table 1. Marginal effects: the ordered logit, between the responses on appropriateness and personal attributes.

From score 0 to 6 (significant variables only)							
Score	0	1	2	3	4	5	6
EG, Age	-0.0004	-0.0004	-0.0009	-0.0020	0.0013	0.0018	0.0006
EG, University	-0.0098	-0.0110	-0.0226	-0.0516	0.0343	0.0455	0.0152
UT, Age	-0.0003	-0.0002	-0.0009	-0.0032	0.0015	0.0020	0.0012
UT, University	-0.0078	-0.0053	-0.0210	-0.0733	0.0342	0.0453	0.0279
UT, Metropolitan areas	-0.0070	-0.0048	-0.0189	-0.0660	0.0308	0.0408	0.0251
UT, Student	-0.0212	-0.0144	-0.0571	-0.1992	0.0930	0.1230	0.0759
COM, age	-0.0007	-0.0005	-0.0007	-0.0055	0.0014	0.0037	0.0022
COM, University	-0.0164	-0.0119	-0.0159	-0.1335	0.0351	0.0901	0.0525
ALT, Age	-0.0005	-0.0003	-0.0007	-0.0036	0.0011	0.0025	0.0017
ALT, University	-0.0145	-0.0096	-0.0201	-0.0992	0.0289	0.0673	0.0472
ALT, Metropolitan areas	-0.0100	-0.0066	-0.0139	-0.0688	0.0200	0.0466	0.0327
HP, Age	-0.0003	-0.0003	-0.0006	-0.0032	0.0000	0.0026	0.0018
HP, University	-0.0136	-0.0110	-0.0239	-0.1263	0.0001	0.1037	0.0711
HP, Metropolitan areas	-0.0073	-0.0059	-0.0128	-0.0674	0.0000	0.0554	0.0380
HP, Marriage	-0.0067	-0.0054	-0.0117	-0.0620	0.0000	0.0509	0.0349
HP, Student	-0.0209	-0.0169	-0.0367	-0.1937	0.0001	0.1591	0.1091
HP, No job	-0.0080	-0.0065	-0.0141	-0.0745	0.0000	0.0612	0.0419
SUF, Age	-0.0035	-0.0003	-0.0005	-0.0028	0.0008	0.0021	0.0011
SUF, University	-0.0119	-0.0088	-0.0164	-0.0968	0.0275	0.0704	0.0360
INR, Age	-0.0003	-0.0001	-0.0005	-0.0034	0.0003	0.0025	0.0015
INR, University	-0.0100	-0.0049	-0.0170	-0.1233	0.0106	0.0894	0.0551
INR, Marriage	-0.0079	-0.0038	-0.0134	-0.0974	0.0084	0.0707	0.0435
SUV, Age	-0.0005	-0.0005	-0.0006	-0.0051	0.0001	0.0035	0.0031

SUV, University	-0.0144	-0.0135	-0.0182	-0.1436	0.0035	0.0988	0.0874
SUV, Marriage	-0.0064	-0.0060	-0.0081	-0.0640	0.0016	0.0440	0.0390

Note: N=415. *** 1% significance; ** 5% significance; * 10% significance.

Table 2. Responses on appropriateness and personal attributes, difference from egalitarianism (ordered logit).

(a): Dependent variable: Scores in each principle minus scores in EG.								
	EG	UT	COM	ALT	HP	SUF	INR	SUV
	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.
	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)
Female (=1)	-	-0.163	0.122	0.085	-0.089	0.000	0.003	0.030
		(0.204)	(0.202)	(0.204)	(0.197)	(0.202)	(0.193)	(0.196)
Age	-	0.005	0.021***	0.010	0.009	0.001	0.008	0.020***
		(0.009)	(0.007)	(0.007)	(0.007)	(0.008)	(0.007)	(0.008)
University (=1)	-	0.105	0.385	0.242	0.368*	0.218	0.447**	0.503**
		(0.239)	(0.237)	(0.225)	(0.203)	(0.241)	(0.213)	(0.223)
Ruling parties (=1)	-	-0.037	0.035	0.184	-0.381	0.168	-0.108	-0.247
		(0.328)	(0.319)	(0.293)	(0.327)	(0.336)	(0.322)	(0.323)
Metropolitan areas (=1)	-	0.088	-0.015	0.251	0.261	-0.032	-0.001	0.076
		(0.196)	(0.200)	(0.201)	(0.194)	(0.207)	(0.189)	(0.194)
Marriage (=1)	-	0.096	-0.026	0.151	0.294	0.107	0.275	0.263
		(0.243)	(0.218)	(0.221)	(0.215)	(0.218)	(0.205)	(0.214)
Self-employed (=1)	-	0.223	-0.308	-0.155	0.699**	-0.239	-0.112	0.378
		(0.429)	(0.440)	(0.450)	(0.343)	(0.393)	(0.466)	(0.449)
Nonregular (=1)	-	-0.268	-0.186	0.090	0.178	-0.400	-0.014	-0.101
		(0.284)	(0.297)	(0.262)	(0.280)	(0.304)	(0.283)	(0.290)
Student (=1)	-	1.181**	0.596	-0.288	0.947	0.675	-0.616	1.091
		(0.562)	(0.634)	(0.759)	(0.738)	(0.571)	(0.892)	(0.724)
No Job (=1)	-	0.071	-0.336	-0.302	0.320	-0.104	0.006	-0.198
		(0.282)	(0.272)	(0.272)	(0.265)	(0.273)	(0.239)	(0.268)
Pseudo R²	-	0.009	0.013	0.010	0.016	0.007	0.011	0.021

(b): Marginal effects: from score -6 to +6 (significant variables only)

Score	-6	-5	-4	-3	-2	-1	0
		+1	+2	+3	+4	+5	+6
UT, Student	-	-	-	-0.0057	-0.0379	-0.1046	-0.0659
		0.1259	0.0497	0.0355	0.0028	-	-
COM, Age	-	-	-	-0.0001	-0.0006	-0.0011	-0.0024
		0.0023	0.0010	0.0007	0.0001	0.0000	0.0001
HP, University	-	-	-	-0.0026	-0.0034	-0.0182	-0.0560
		0.0309	0.0295	0.0157	0.0051	0.0018	0.0018
HP, Self-employed	-	-	-	-0.0050	-0.0065	-0.0346	-0.1131
		0.0587	0.0560	0.0298	0.0097	0.0033	0.0034
INR, University	-	-	-	-	-0.0094	-0.0255	-0.0683
		0.0474	0.0289	0.0186	0.0052	0.0021	0.0011
SUV, Age	-	-0.0000	-0.0000	-0.0001	-0.0002	-0.0009	-0.0033
		0.0015	0.0019	0.0009	0.0002	0.0000	0.0000
SUV, University	-	-0.0012	-0.0012	-0.0036	-0.0047	-0.0226	-0.0887
		0.0359	0.0457	0.0228	0.0059	0.0012	0.0024

Note: N=415. *** 1% significance; ** 5% significance; * 10% significance.

Table 3. Responses on willingness to act and personal attributes (ordered logit).

(a): Dependent variable: responses to individual principles.								
	EG	UT	COM	ALT	HP	SUF	INR	SUV
	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.	Coef.
	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)	(Std. Err.)
Female (=1)	0.251	0.089	0.062	0.228	0.128	0.271	0.153	0.019
	(0.205)	(0.210)	(0.196)	(0.204)	(0.198)	(0.211)	(0.205)	(0.206)
Age	0.014*	0.022***	0.024***	0.022***	0.026***	0.022***	0.024***	0.032***
	(0.007)	(0.007)	(0.007)	(0.006)	(0.006)	(0.006)	(0.007)	(0.007)
University (=1)	0.453**	0.351	0.801***	0.557***	0.793***	0.540**	0.767***	0.743***
	(0.221)	(0.216)	(0.220)	(0.210)	(0.215)	(0.219)	(0.222)	(0.215)
Ruling parties (=1)	-0.086	-0.275	-0.321	-0.009	-0.199	0.544	-0.074	-0.187
	(0.277)	(0.254)	(0.261)	(0.259)	(0.254)	(0.267)	(0.266)	(0.258)
Metropolitan areas (=1)	0.303	0.308	0.247	0.191	0.416**	0.164	0.197	0.374**
	(0.188)	(0.194)	(0.182)	(0.182)	(0.184)	(0.183)	(0.183)	(0.178)
Marriage (=1)	0.253	0.140	0.258	0.218	0.453**	0.112	0.342	0.258
	(0.212)	(0.208)	(0.203)	(0.201)	(0.208)	(0.203)	(0.208)	(0.203)
Self-employed (=1)	0.467	0.312	0.251	0.108	0.260	-0.085	-0.221	-0.064
	(0.389)	(0.419)	(0.400)	(0.438)	(0.376)	(0.378)	(0.351)	(0.394)
Nonregular (=1)	-0.031	-0.101	-0.032	0.015	-0.047	-0.273	-0.172	0.090
	(0.274)	(0.294)	(0.281)	(0.276)	(0.285)	(0.287)	(0.290)	(0.276)
Student (=1)	-0.057	0.051	0.110	-0.832	0.024	0.058	-0.117	0.181
	(0.784)	(0.516)	(0.528)	(0.766)	(0.497)	(0.626)	(0.570)	(0.707)
No Job (=1)	0.153	0.111	0.153	0.030	0.165	0.079	0.033	-0.194
	(0.243)	(0.252)	(0.247)	(0.238)	(0.249)	(0.259)	(0.260)	(0.255)
Pseudo R²	0.019	0.023	0.037	0.028	0.048	0.026	0.038	0.045

(b): Marginal effects; from score 0 to 6 (significant variables only)

Score	0	1	2	3	4	5	6
EG, Age	-0.0005	-0.0004	-0.0007	-0.0017	0.0015	0.0013	0.0004
EG, University	-0.0156	-0.0124	-0.0209	-0.0532	0.0474	0.0430	0.0117
UT, Age	-0.0007	-0.0004	-0.0012	-0.0028	0.0023	0.0020	0.0008
COM, Age	-0.0006	-0.0006	-0.0012	-0.0032	0.0018	0.0028	0.0009
COM, University	-0.0205	-0.0188	-0.0384	-0.1048	0.0595	0.0920	0.0310
ALT, Age	-0.0007	-0.0002	-0.0013	-0.0028	0.0018	0.0025	0.0007
ALT, University	-0.0192	-0.0060	-0.0325	-0.0716	0.0458	0.0644	0.0190
HP, Age	-0.0008	-0.0002	-0.0009	-0.0038	0.0012	0.0029	0.0015
HP, University	-0.0235	-0.0067	-0.0263	-0.1175	0.0365	0.0908	0.0467
HP, Metropolitan areas	-0.0123	-0.0035	-0.0138	-0.0616	0.0192	0.0476	0.0245
HP, Marriage	-0.0134	-0.0038	-0.0150	-0.0671	0.0209	0.0519	0.0267
SUF, Age	-0.0007	-0.0002	-0.0010	-0.0033	0.0017	0.0028	0.0007
SUF, University	-0.0175	-0.0047	-0.0234	-0.0810	0.0420	0.0671	0.0174
INR, Age	-0.0006	-0.0004	-0.0009	-0.0034	0.0018	0.0027	0.0009
INR, University	-0.0212	-0.0131	-0.0307	-0.1101	0.0585	0.0870	0.0296
SUV, Age	-0.0009	-0.0005	-0.0009	-0.0049	0.0017	0.0035	0.0019
SUV, University	-0.0204	-0.0109	-0.0213	-0.1137	0.0399	0.0813	0.0451
SUV, Metropolitan areas	-0.0103	-0.0055	-0.0107	-0.0573	0.0201	0.0409	0.0227

Note: N=415. *** 1% significance; ** 5% significance; * 10% significance.

Table 4. Proportions of the respondents' attributes for each cluster.

(a): Appropriateness.										
	female	p-values	Age	p-values	University	p-values				
Cluster 1	0.477	i) 0.202	56.0	<u>i) 0.057</u>	0.514	i) 0.420				
Cluster 2	0.558	ii) 0.554	52.1	<u>ii) 0.000</u>	0.463	<u>ii) 0.000</u>				
Cluster 3	0.440	<u>iii) 0.040</u>	45.8	<u>iii) 0.001</u>	0.270	<u>iii) 0.000</u>				
	Ruling parties	p-values	Metropolitan	p-values	Marriage	p-values				
Cluster 1	0.119	i) 0.486	0.615	i) 0.882	0.670	i) 0.423				
Cluster 2	0.150	ii) 0.462	0.605	<u>ii) 0.045</u>	0.544	<u>i) 0.000</u>				
Cluster 3	0.151	iii) 0.975	0.491	<u>iii) 0.044</u>	0.421	<u>ii) 0.032</u>				
Occupation										
	Regular	p-values	Self-employed	p-values	Non-regular	p-values	Student	p-values	No job	p-values
Cluster 1	0.321	i) 0.444	0.064	i) 0.904	0.174	i) 0.816	0.018	i) 0.309	0.422	i) 0.320
Cluster 2	0.367	<u>ii) 0.079</u>	0.068	ii) 0.797	0.163	ii) 0.360	0.041	ii) 0.713	0.361	<u>ii) 0.010</u>
Cluster 3	0.428	iii)0.283	0.057	iii)0.680	0.220	iii)0.209	0.025	iii)0.443	0.270	<u>iii)0.090</u>

Note. N=415. P-values in "i)" represent the difference in means between Clusters 1 and 2, "ii)" represent the difference in means between Clusters 1 and 3, and "iii)" represent the difference in means between Clusters 2 and 3. Significant p-values (10%) are underlined.

(b): Willingness to act.

	female	p-values	Age	p-values	University	p-values				
Cluster 1	0.471	i) 0.316	55.6	i) 0.332	0.518	i) 0.265				
Cluster 2	0.539	ii) 0.870	53.5	<u>ii) 0.000</u>	0.442	<u>ii) 0.001</u>				
Cluster 3	0.460	iii) 0.154	45.8	<u>iii) 0.000</u>	0.310	<u>iii) 0.013</u>				
	Ruling parties	p-values	Metropolitan	p-values	Marriage	p-values				
Cluster 1	0.106	i) 0.131	0.682	<u>i) 0.038</u>	0.647	i) 0.386				
Cluster 2	0.180	ii) 0.634	0.545	<u>ii) 0.015</u>	0.590	<u>ii) 0.001</u>				
Cluster 3	0.126	iii) 0.181	0.523	iii) 0.692	0.420	<u>iii)0.002</u>				
Occupation										
	Regular	p-values	Self-employed	p-values	Non-regular	p-values	Student	p-values	No job	p-values
Cluster 1	0.341	i) 0.341	0.059	i) 0.491	0.165	i) 0.826	0.024	i) 0.824	0.411	i) 0.269
Cluster 2	0.404	ii) 0.612	0.083	ii) 0.658	0.154	ii) 0.227	0.019	ii) 0.493	0.340	ii) 0.107
Cluster 3	0.374	iii)0.574	0.046	iii)0.166	0.230	<u>ii) 0.082</u>	0.040	iii)0.268	0.310	iii)0.570

Note. N=415. P-values in "i)" represent the difference in means between Clusters 1 and 2, "ii)" represent the difference in means between Clusters 1 and 3, and "iii)" represent the difference in means between Clusters 2 and 3. Significant p-values (10%) are underlined.

Table 5. Responses in climate change and fiscal policy.

	(a): Regression of no persuasive principles responses with personal attributes (ordered logit)		(b): Ranking of the principles in correlation (climate vs. fiscal policy)	
	Climate	Fiscal policy		
	Coef. (marginal effects)	Coef. (marginal effects)		
Female	-0.676*** (-0.146)	-0.616*** (-0.143)	No principles	0.843
Age	-0.028*** (-0.006)	-0.023*** (-0.005)	HP	0.562
University	-0.466* (-0.100)	-0.313 (-0.072)	UT	0.559
Ruling parties	-0.328 (-0.068)	-0.582* (-0.127)	INR	0.556
Metropolitan areas	-0.387* (-0.084)	-0.341 (-0.080)	SUF	0.516
Marriage	-0.394* (-0.086)	-0.513** (-0.120)	SUV	0.512
Self-employed	-0.280 (-0.058)	-0.196 (-0.045)	ALT	0.507
Nonregular	0.254 (0.057)	0.178 (0.042)	EG	0.486
Student	-0.661 (-0.126)	-0.553 (-0.118)	COM	0.440
No Job	0.037 (0.008)	-0.094 (-0.022)		

Note: N=415. *** 1% significance; ** 5% significance; * 10% significance.