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※JGSS-2003　was not used because of methodological reasons.

１．Variables

●Dependent Variable

Voluntary Association Membership (VAM)

＜Question＞

The question is “Are you a member of the following organizations?”. Seven associations are listed up below this question：”(A)Political associations”, “(B)Trade associations”, “(C)Social service groups”, “(D)Citizens’ movement/consumers’ cooperative groups”, “(E)Religious groups”, “(F)Sports groups and clubs”, ”(G)Hobby groups and clubs (choir, photo-taking, hiking, etc.)”. Respondents are required to choose “Yes” or “No” for each associations.

＜The way of constructing variable＞

I assigned 1 to the respondents who belong to at least one of five voluntary associations and assigned 0 to the respondents who do not belong to any of these voluntary associations: ”(A)Political associations”, “(C)Social service groups”, “(D)Citizens’ movement/consumers’ cooperative groups”, “(F)Sports groups and clubs”, ”(G)Hobby groups and clubs (choir, photo-taking, hiking, etc.)”. Trade association is excluded because it is not voluntary association. Religious group is also excluded because it is not secular association.

●Dependent Variables

＜The way of constructing variable＞

The question is “Do you follow a religion?” Respondents are required to choose ”Yes”(Individual Religion) or ”Although not practiced, I have a family religion.” (Household Religion)、”No” (Non-Religion)

The name of religion is questioned to the respondents who answered “Yes” or “Although not practiced, I have a family religion.” to the question above mentioned.

＜The way of constructing variable＞

Buddhist (Individual) ：composed of “Buddhism”, ”Zen-shu(Soto-shu/Rinzai-shu) “,”Tendai-shu”, “Jodo-shu”, ”Jodo-shin-shu(Honngann-ji/Montoo-shu/Namu-amidabutsu) “, ”Shingon-shu”, “Nichiren-Shu”, “Ji-shu”, “Hokke-kyo/Hokke-shu”.

Buddhist (Household) ：in the same way as *Buddhist(Individual)*

Christian：composed of “Christianity”, “Catholic”, “Protestant”, ”Orthodox (Nihon-harisutosu-sei-kyokai)”

New Religion (other than SGI)：composed of

“Hommonbutsuryu-shu”, “Oyama-nezunomikoto-shinji-kyokai”, “Jehova’ s witness”, “Sekai-kyusei-kyo”, ”Toitu-kyokai (Sekai-kirisuto-toitsu-shinrei-kyokai)”, ”Rissho-kosei-kai”, “Reiyu-kai”, ”Bussho-gonen-kai”, Kofuku-no-kagaku”, “Sukyo-mahikari/Mahikari”, ”Tenri-kyo”, “Shinnyo-en”, “PL-kyodan”, ”Reiha-no-hikari”, ”Byakkyo”, ”Seicho-no-ie”, “Konko-kyo”, “Ontake-kyo”

SGI

“Soka-gakkai”

Other Relgions：composed of “Shinto”, ”Inari-daimyojin”, ”Buddhism+Shinto(Buddha +Gods)”, ”Ancestral Worship”, “Other”

●Control Variables

Age square

Age in years

Sex：Female=1、Male=0

Educational year : recoded as follows. Old system:Low elementary(6 years), high elementary(8),junior high/girl's high school(11), vocational/normal high scool(14), university/graduate school(17)
New system : Junior high school(9), high school(12), 2-year colledge/colledge of technology(14), university(16), graduate school(18)

Urban : 13 large cities and Other cities =1, village/town=0。

Marital Status : " Married"=1, "not married, divorced, or widowed "=0

Occupational Status : *Full time* is composed of 、 Executive of a company or a corporation, Regular employee with no managerial post temporary worker, Regular employee - Group leader, Foreman, Regular employee - Sub-section Head agency, Regular employee - Section Head, Manager, Regular employee - Department Head, Regular employee - managerial status unknown.

Parttime / self-employed" is composed of Temporary worker, Daily worker, Part-time, Dispatched worker from temporary personnel, Self-employed, Family worker, Doing piecework at home.

Unemployed is composed of those who belong to non of above mentioned occupational status.

.Don't know and No answer are deleted as missing values.

Year controls : Year 2000=1, Year 2001=1, Year 2002=0 (Year 2002 is reference category.)

2. Tables of Results

Table 1 Descriptive Statistics

	range	Mean or %	S.D	N
(Dependent variables)				
Voluntary Association Membership(Belong=1)	0,1	31.3%	—	8173
(Independent variabeles)				
Buddhist(Individual)	0,1	4.5%	—	8319
Buddhist(Household)	0,1	20.5%	—	8319
Christian	0,1	.9%	—	8319
New Religion(other than SGI)	0,1	1.7%	—	8319
SGI	0,1	2.1%	—	8319
Other religions	0,1	1.7%	—	8319
None religion(ref)	0,1	68.6%	—	8319
(Controle variabels)				
Age square	400-7921	2932.98	1719.83	8636
Age in years	20-89	51.56	16.58	8636
Sex(Female=1)	0,1	54.1%	—	8636
Education in years	6-18	11.97	2.70	8577
Urban	0,1	75.6%	—	8636
Marital status(Married=1)	0,1	73.4%	—	8490
Part time/Self employed	0,1	25.9%	—	8490
Unemployed	0,1	37.6%	—	8490
Full time(ref)	0,1	34.7%	—	8490
Year 2000	0,1	33.5%	—	8636
Year 2001	0,1	32.3%	—	8636
Year 2002(ref)	0,1	34.2%	—	8636

Table 2 Cross Table Analysis on VAM

Variabels	Category	Voluntary Association Membership		Voluntary Association Non-Membership		Total	
Religious Affiliation	Buddhist(Individual)	42.3%	(149)	57.7%	(203)	100%	(352)
χ^2=183.013 df=6 ***	Buddhist(Household)	40.8%	(658)	59.2%	(953)	100%	(1611)
	Christian	61.1%	(44)	38.9%	(28)	100%	(72)
	New Religion(other than SGI)	39.4%	(54)	60.6%	(83)	100%	(137)
	SGI	38.7%	(63)	61.3%	(100)	100%	(163)
	Other religions	37.5%	(51)	62.5%	(85)	100%	(136)
	None religion	26.7%	(1449)	73.3%	(3984)	100%	(5433)
Age	20-29	21.2%	(219)	78.8%	(813)	100%	(1032)
χ^2=161.606 df=6 ***	30-39	23.4%	(279)	76.6%	(913)	100%	(1192)
	40-49	31.5%	(438)	68.5%	(952)	100%	(1390)
	50-59	37.1%	(671)	62.9%	(1138)	100%	(1809)
	60-69	38.7%	(577)	61.3%	(915)	100%	(1492)
	70-79	32.3%	(312)	67.7%	(654)	100%	(966)
	80-89	21.9%	(64)	78.1%	(228)	100%	(292)
Sex	Male	32.9%	(1233)	67.1%	(2520)	100%	(3753)
χ^2=7.562 df=1 **	Female	30.0%	(1327)	70.0%	(3093)	100%	(4420)
Education in years	6-9 years	23.3%	(463)	76.7%	(1526)	100%	(1989)
χ^2=96.793 df=2 ***	10-12years	32.0%	(1177)	68.0%	(2502)	100%	(3679)
	13-18years	37.0%	(907)	63.0%	(1547)	100%	(2454)
Urban	Town/village	31.7%	(628)	68.3%	(1355)	100%	(1983)
χ^2=.146 df=1 n.s	City	31.2%	(1932)	68.8%	(4258)	100%	(6190)
Maritatl status	Unmarried	25.9%	(563)	74.1%	(1610)	100%	(2173)
χ^2=40.211 df=1 ***	Married	33.3%	(1996)	66.7%	(4003)	100%	(5999)
Occupational status	Part time/Self employed	31.3%	(669)	68.7%	(1466)	100%	(2135)
χ^2=7.851 df=2 n.s	Unemployed	30.7%	(932)	69.3%	(2102)	100%	(3034)
	Full time	32.0%	(919)	68.0%	(1952)	100%	(2871)
Research year	Year 2000	29.9%	(816)	70.1%	(1916)	100%	(2732)
χ^2=14.274 df=2 **	Year 2001	29.9%	(764)	70.1%	(1790)	100%	(2554)
	Year 2002	33.9%	(980)	66.1%	(1907)	100%	(2887)

Notes :***p<.001 **p<.01 *p<.05

Table 3 Binary Logistic Regression Analysis on VAM

	Exp (b)	S.E	b
Buddhist(Individual)	1.824 ***	.119	.601
Buddhist(Household)	1.681 ***	.063	.519
Christian	3.302 ***	.253	1.195
New Religion(other than SGI)	1.699 **	.182	.530
SGI	1.952 ***	.170	.669
Other religions	1.594 *	.186	.466
None religion(ref)	—	—	—
Age square	.999 ***	.000	-.001
Age in years	1.080 ***	.011	.077
Sex(Female=1)	1.028	.056	.028
Educational years	1.165 ***	.011	.153
Urban	.909	.060	-.096
Marital status(Married=1)	1.067	.066	.065
Part time/Self employed	.958	.069	-.043
Unemployed	.872	.074	-.137
Full time(ref)	—	—	—
Year 2000	.839 **	.061	-.175
Year 2001	.796 ***	.063	-.228
Year 2002(ref)	—	—	—
Intercept	.006 ***	.308	-5.067
χ^2	489.398 ***		
df	16		
-2LL	9109.369		
Cox-Snell R^2	.061		
Nagelkerke R^2	.086		
N	7727		

Notes : ***p<.001 **p<.01 *p<.05

Table 4 Binary Logistic Regression Analyses on Each Type of VAM

	Political associations			Social service groups			Citizens' movement/ consumers' cooperative groups		Sports groups and clubs			Hobby groups and clubs		
	Exp (b)	S.E	b	Exp (b)	S.E	b	S.E	b	Exp (b)	S.E	b	Exp (b)	S.E	b
Buddhist(Individual)	4.233 ***	.196	1.443	2.060 ***	.167	.723	.294	.242	1.475 **	.145	.389	1.497 **	.145	.403
Buddhist(Household)	2.341 ***	.137	.851	1.572 ***	.099	.452	.155	.426	1.510 ***	.075	.412	1.578 ***	.078	.456
Christian	4.600 ***	.399	1.526	3.043 ***	.298	1.113	.603	.347	.956	.323	-.045	3.059 ***	.262	1.118
New Religion(other than SGI)	5.640 ***	.282	1.730	2.428 ***	.248	.887	.430	.498	1.094	.234	.090	1.103	.243	.098
SGI	12.857 ***	.223	2.554	2.334 **	.250	.848	.517	.053	.943	.239	-.059	1.223	.232	.202
Other religions	4.592 ***	.289	1.524	2.699 ***	.237	.993	.432	.417	.977	.253	-.023	.757	.275	-.279
None religion(ref)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Age square	.999 ***	.000	-.001	.999 ***	.000	-.001	.000	-.001	1.000 **	.000	.000	.999 ***	.000	-.001
Age in years	1.188 ***	.033	.172	1.141 ***	.021	.132	.037	.133	1.046 **	.013	.045	1.158 ***	.016	.147
Sex(Female=1)	.592 ***	.126	-.524	1.218 *	.093	.197	.150	.083	.795 ***	.067	-.229	1.759 ***	.076	.564
Education in years	1.055 *	.023	.054	1.169 ***	.018	.156	.029	.078	1.124 ***	.014	.117	1.180 ***	.015	.166
Urban	.656 **	.123	-.421	.727 **	.094	-.318	.154	-.126	.890 ***	.072	-.117	1.189 *	.082	.173
Marital status(Married=1)	1.541 *	.170	.432	1.250	.115	.223	.205	.548	.998	.080	-.002	.877	.086	-.131
Part time/Self employed	.982	.151	-.018	1.099	.117	.095	.199	.264	.831 *	.083	-.186	1.065	.096	.063
Unemployed	.616 *	.171	-.485	1.133	.122	.124	.205	.311	.868	.088	-.141	1.159	.097	.147
Full time(ref)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Year 2000	.680 **	.137	-.386	.967	.101	-.034	.158	-.127	.830 *	.073	-.187	.807 **	.080	-.214
Year 2001	.745 *	.136	-.294	.930	.102	-.072	.170	-.368	.737 ***	.076	-.305	.772 **	.082	-.259
Year 2002(ref)	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Intercept	.000 ***	.975	-9.335	.000 ***	.604	-8.739	1.075	-9.356	.022 ***	.360	-3.821	.000 ***	.479	-8.983
χ^2	371.418 ***			285.093 ***					222.374 ***			519.841 ***		
df	16			16					16			16		
-2LL	2532.001			4268.249					6968.574			5952.700		
Cox-Snell R^2	.046			.035					.027			.064		
Nagelkerke R^2	.151			.081					.046			.114		
N	8058			8033					8046			7803		

Notes : ***p<.001 **p<.01 *p<.05

Table 5 Binary Logistic Regression Analyses on Each Type of VAM (Sample=Buddhist)

	Model 1			Model 2			Model 3		
	Exp (b)	S.E	b	Exp (b)	S.E	b	Exp (b)	S.E	b
Religious groups(Belong=1)	1.470 *	.191	.385	1.762 +	.305	.566	1.490	.256	.398
Devotion	.951	.099	-.050	.935	.123	-.067	.982	.173	-.018
Individual／Household(Individual=1)	1.033	.145	.032	—	—	—	—	—	—
Age square	.999 ***	.000	-.001	.999 ***	.000	-.001	.999	.000	-.001
Age in years	1.139 ***	.024	.130	1.155 ***	.027	.144	1.073	.055	.071
Sex(Female=1)	1.063	.106	.061	1.221 +	.119	.199	.565 *	.253	-.571
Education in years	1.143 ***	.021	.134	1.142 ***	.024	.133	1.144 **	.046	.135
Urban	.962	.108	-.039	.911	.121	-.093	1.107	.248	.102
Marital status(Married=1)	1.020	.128	.020	1.162	.144	.150	.616	.298	-.484
Part time/Self employed	1.185	.139	.169	1.213	.153	.193	.855	.358	-.157
Unemployed	1.013	.144	.013	.982	.158	-.018	1.057	.363	.056
Full time(ref)	—	—	—	—	—	—	—	—	—
Year 2000	.739 *	.118	-.302	.684 **	.131	-.380	.959	.281	-.042
Year 2001	.758 *	.120	-.278	.751 *	.133	-.286	.700	.290	-.356
Year 2002(ref)	—	—	—	—	—	—	—	—	—
Intercept	.004 ***	.716	-5.621	.002 ***	.811	-6.068	.037 +	1.679	-3.285
χ^2	102.151 ***			96.253 ***			25.321 *		
df	13			12			12		
-2LL	2460.730			2007.953			433.006		
Cox-Snell R^2	.053			.060			.073		
Nagelkerke R^2	.071			.081			.098		
N	1892			1556			336		

Notes:**p<.001 **p<.01 *p<.05 +p<.10

Model1 includes both Buddhist(Individual) and Buddhist(Household).

Model2 only includes Buddhist(Household).

Model3 only includes Buddhist(Individual)

In Model 2 and Model 3 "Individual /Household" is not used because Model 2 only includes Buddhist(Household) and Model3 only includes Buddhist(Individual).

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