

# Life and Time - PxVx - Results Summary

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## **Summary statistics**

See summary tables below for means and standard deviations.

Table 1: National Sample Descriptive Statistics

	wave							
	W1		W2		W3		W4	
	mean	sd	mean	sd	mean	sd	mean	sd
Social Self-Regulation	72.92	14.12	73.44	13.74	73.91	13.65	74.47	13.90
Conscientiousness <sub>BFI</sub>	68.56	17.36	69.01	16.69	69.02	17.01	69.53	17.11
Industriousness <sub>BFAS</sub>	63.24	18.52	63.40	17.72	63.41	17.86	63.89	17.90
Orderliness <sub>BFAS</sub>	61.84	16.47	62.07	16.61	62.08	16.49	62.76	16.62
Honesty/Propriety <sub>BFI</sub>	71.14	15.78	71.68	15.79	72.11	15.39	72.38	15.34
Agreeableness-Six <sub>BFI</sub>	59.86	18.67	60.16	18.92	60.01	18.94	60.68	19.04
Compassion <sub>BFAS</sub>	77.51	16.25	77.87	16.04	77.40	16.41	78.13	16.12
Politeness <sub>BFAS</sub>	69.71	16.33	70.36	16.08	70.52	15.83	70.81	15.58
Neuroticism <sub>BFI</sub>	49.50	21.41	48.82	21.38	47.62	21.38	47.18	22.37
Volatility <sub>BFAS</sub>	43.76	22.08	43.29	21.01	42.79	21.30	41.95	22.86
Withdrawal <sub>BFAS</sub>	45.96	20.74	46.12	20.41	46.19	21.04	45.56	21.23
Dynamism	63.81	17.18	62.92	17.20	62.45	17.44	62.91	17.92
Extraversion <sub>BFI</sub>	54.85	22.18	53.66	21.77	53.55	21.90	53.54	22.22
Assertiveness <sub>BFAS</sub>	61.47	19.65	61.09	19.37	60.45	19.74	60.79	19.72
Enthusiasm <sub>BFAS</sub>	62.01	18.75	61.45	18.88	60.94	19.26	60.59	19.67
Openness <sub>BFI</sub>	74.23	15.00	73.67	15.09	72.58	16.06	73.05	15.88
Intellect <sub>BFAS</sub>	75.36	15.98	75.10	15.47	74.82	16.14	75.88	15.80
Openness <sub>BFAS</sub>	73.09	15.80	72.82	15.98	72.84	16.22	72.69	16.05
Financial Aspirations	48.71	22.31	48.54	23.03	49.11	23.32	48.59	23.59
Materialism	48.59	15.42	48.43	15.27	48.11	15.52	48.12	16.12
Horizontal Collectivism	72.19	17.07	71.39	16.95	72.37	17.23	71.82	17.18
Horizontal Individualism	74.45	15.82	74.44	15.98	74.64	15.55	73.90	15.84
Mature Values Index	61.61	8.41	61.12	8.39	61.39	8.76	61.25	8.10
Unmitigated Self-Interest	29.07	16.35	28.44	16.50	28.81	16.76	28.46	16.15
Vertical Collectivism	71.57	18.09	69.96	18.72	68.26	19.53	68.58	19.35
Vertical Individualism	47.26	19.34	47.43	18.86	46.69	19.92	46.59	19.58

Table 2: College Sample Descriptive Statistics

	wave							
	W1		W2		W3		W4	
	mean	sd	mean	sd	mean	sd	mean	sd
Social Self-Regulation	70.25	12.17	71.29	11.67	70.93	12.14	72.52	13.06
Conscientiousness <sub>BFI</sub>	65.10	15.84	66.47	16.12	65.86	16.51	68.05	16.30
Industriousness <sub>BFAS</sub>	59.18	17.12	59.23	17.67	59.80	16.82	60.55	18.50
Orderliness <sub>BFAS</sub>	59.24	16.89	60.92	17.13	61.19	16.79	61.06	16.09
Honesty/Propriety <sub>BFI</sub>	64.29	15.09	66.26	14.61	65.74	15.70	68.63	15.77
Agreeableness-Six <sub>BFI</sub>	60.81	17.20	60.38	16.56	60.25	15.27	63.26	15.44
Compassion <sub>BFAS</sub>	78.82	15.59	79.89	15.08	78.55	15.00	79.35	14.71
Politeness <sub>BFAS</sub>	66.75	15.43	68.28	15.44	68.21	15.97	68.66	14.98
Neuroticism <sub>BFI</sub>	50.30	19.66	49.29	19.69	48.05	19.61	47.52	20.32
Volatility <sub>BFAS</sub>	43.27	20.42	42.69	20.26	41.56	20.38	41.50	20.78
Withdrawal <sub>BFAS</sub>	48.51	18.31	48.25	19.23	47.76	19.25	47.91	18.09
Dynamism	64.33	14.77	61.92	15.01	63.62	13.63	64.33	14.89
Extraversion <sub>BFI</sub>	59.02	19.97	56.27	20.66	58.12	19.75	57.77	20.93
Assertiveness <sub>BFAS</sub>	62.94	17.65	60.28	19.18	60.15	18.12	61.03	17.83
Enthusiasm <sub>BFAS</sub>	67.22	16.71	65.13	17.65	66.85	17.09	64.92	18.54
Openness <sub>BFI</sub>	72.29	14.84	71.12	15.73	72.64	13.82	74.56	12.54
Intellect <sub>BFAS</sub>	71.26	14.73	71.29	14.71	70.91	15.84	72.99	15.34
Openness <sub>BFAS</sub>	75.01	15.22	74.44	16.46	74.06	15.09	76.08	14.57
Financial Aspirations	47.41	23.29	46.01	23.06	45.67	22.58	47.30	23.78
Materialism	50.46	15.11	50.37	15.49	49.84	16.13	49.31	17.01
Horizontal Collectivism	71.59	13.94	74.07	14.22	74.22	13.21	75.09	14.43
Horizontal Individualism	73.93	15.58	73.07	16.76	74.05	15.64	75.46	16.18
Mature Values Index	60.78	9.12	61.57	9.67	61.56	8.38	61.68	8.03
Unmitigated Self-Interest	33.03	15.79	30.71	15.82	29.39	15.82	29.48	16.60
Vertical Collectivism	67.10	18.08	65.93	17.92	63.95	17.62	64.83	18.78
Vertical Individualism	49.33	19.74	46.38	19.65	48.20	20.22	47.28	20.34

Table 3: Informant Sample Descriptive Statistics

	wave							
	W1		W2		W3		W4	
	mean	sd	mean	sd	mean	sd	mean	sd
Social Self-Regulation	71.98	16.80	72.94	16.32	72.66	17.53	73.07	16.85
Conscientiousness <sub>BFI</sub>	82.41	19.99	82.19	19.21	81.47	19.92	82.54	19.97
Industriousness <sub>BFAS</sub>								
Orderliness <sub>BFAS</sub>								
Honesty/Propriety <sub>BFI</sub>	68.43	19.25	69.32	17.92	69.02	18.87	69.42	18.07
Agreeableness-Six <sub>BFI</sub>	69.43	22.83	69.74	22.70	70.06	23.83	69.71	23.81
Compassion <sub>BFAS</sub>								
Politeness <sub>BFAS</sub>								
Neuroticism <sub>BFI</sub>	42.71	27.21	41.30	26.04	44.50	26.27	41.77	27.81
Volatility <sub>BFAS</sub>								
Withdrawal <sub>BFAS</sub>								
Dynamism	66.41	16.58	67.51	16.76	65.41	16.80	65.88	17.59
Extraversion <sub>BFI</sub>	59.45	25.22	62.61	24.68	59.23	24.74	59.55	26.27
Assertiveness <sub>BFAS</sub>								
Enthusiasm <sub>BFAS</sub>								
Openness <sub>BFI</sub>	73.37	20.39	72.41	20.00	71.58	20.30	72.20	20.35
Intellect <sub>BFAS</sub>								
Openness <sub>BFAS</sub>								

Values over time: National

Table 4: Financial Aspirations: cross-wave correlations

	aaspin	baspin	caspin	daspin
aaspin	1.00	0.78	0.75	0.73
baspin	0.78	1.00	0.81	0.78
caspin	0.75	0.81	1.00	0.78
daspin	0.73	0.78	0.78	1.00

Table 5: Materialism: cross-wave correlations

	aBFA_MT	bBFA_MT	cBFA_MT	dBFA_MT
aBFA_MT	1.00	0.79	0.77	0.74
bBFA_MT	0.79	1.00	0.82	0.78
cBFA_MT	0.77	0.82	1.00	0.83
dBFA_MT	0.74	0.78	0.83	1.00

Table 6: Horizontal Collectivism: cross-wave correlations

	aHRZ_COL	bHRZ_COL	cHRZ_COL	dHRZ_COL
aHRZ_COL	1.00	0.72	0.67	0.68
bHRZ_COL	0.72	1.00	0.73	0.71
cHRZ_COL	0.67	0.73	1.00	0.73
dHRZ_COL	0.68	0.71	0.73	1.00

Table 7: Horizontal Individualism: cross-wave correlations

	aHRZ_IND	bHRZ_IND	cHRZ_IND	dHRZ_IND
aHRZ_IND	1.00	0.56	0.54	0.53
bHRZ_IND	0.56	1.00	0.55	0.61
cHRZ_IND	0.54	0.55	1.00	0.63
dHRZ_IND	0.53	0.61	0.63	1.00

Table 8: Mature Values Index: cross-wave correlations

	aMVI_POMP	bMVI_POMP	cMVI_POMP	dMVI_POMP
aMVI_POMP	1.00	0.79	0.74	0.75
bMVI_POMP	0.79	1.00	0.80	0.81
cMVI_POMP	0.74	0.80	1.00	0.81
dMVI_POMP	0.75	0.81	0.81	1.00

Table 9: Unmitigated Self-Interest: cross-wave correlations

	aUSI	bUSI	cUSI	dUSI
aUSI	1.00	0.76	0.74	0.72
bUSI	0.76	1.00	0.77	0.74
cUSI	0.74	0.77	1.00	0.81
dUSI	0.72	0.74	0.81	1.00

Table 10: Vertical Collectivism: cross-wave correlations

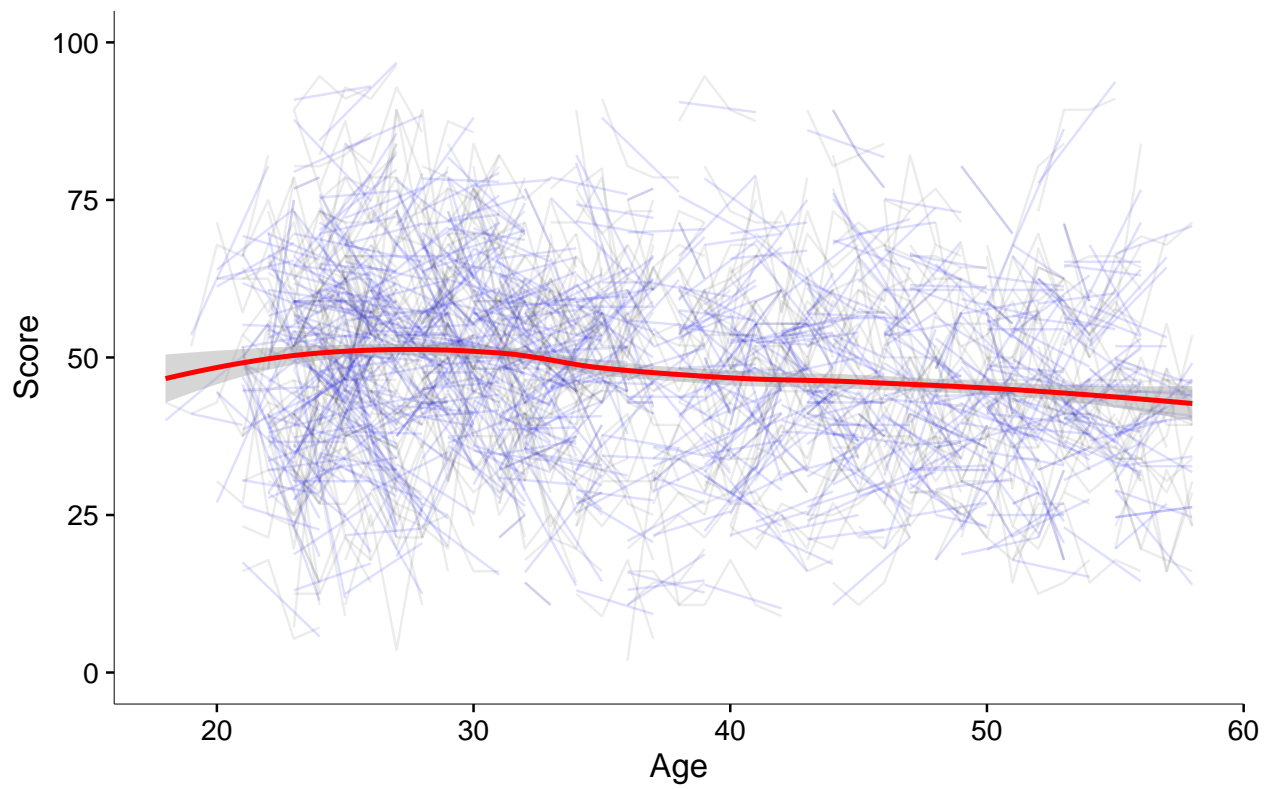
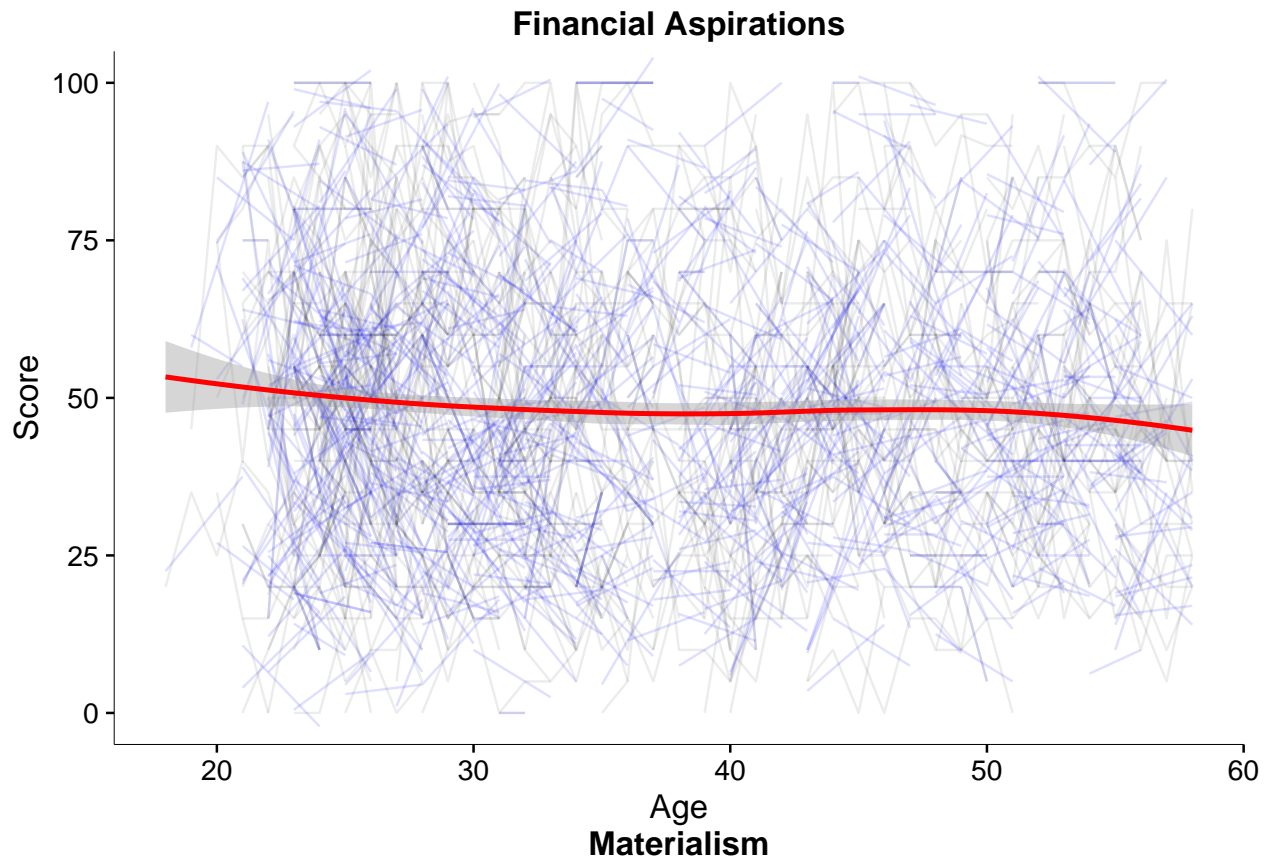
	aVRT_COL	bVRT_COL	cVRT_COL	dVRT_COL
aVRT_COL	1.00	0.70	0.65	0.69
bVRT_COL	0.70	1.00	0.71	0.73
cVRT_COL	0.65	0.71	1.00	0.74
dVRT_COL	0.69	0.73	0.74	1.00

Table 11: Vertical Individualism: cross-wave correlations

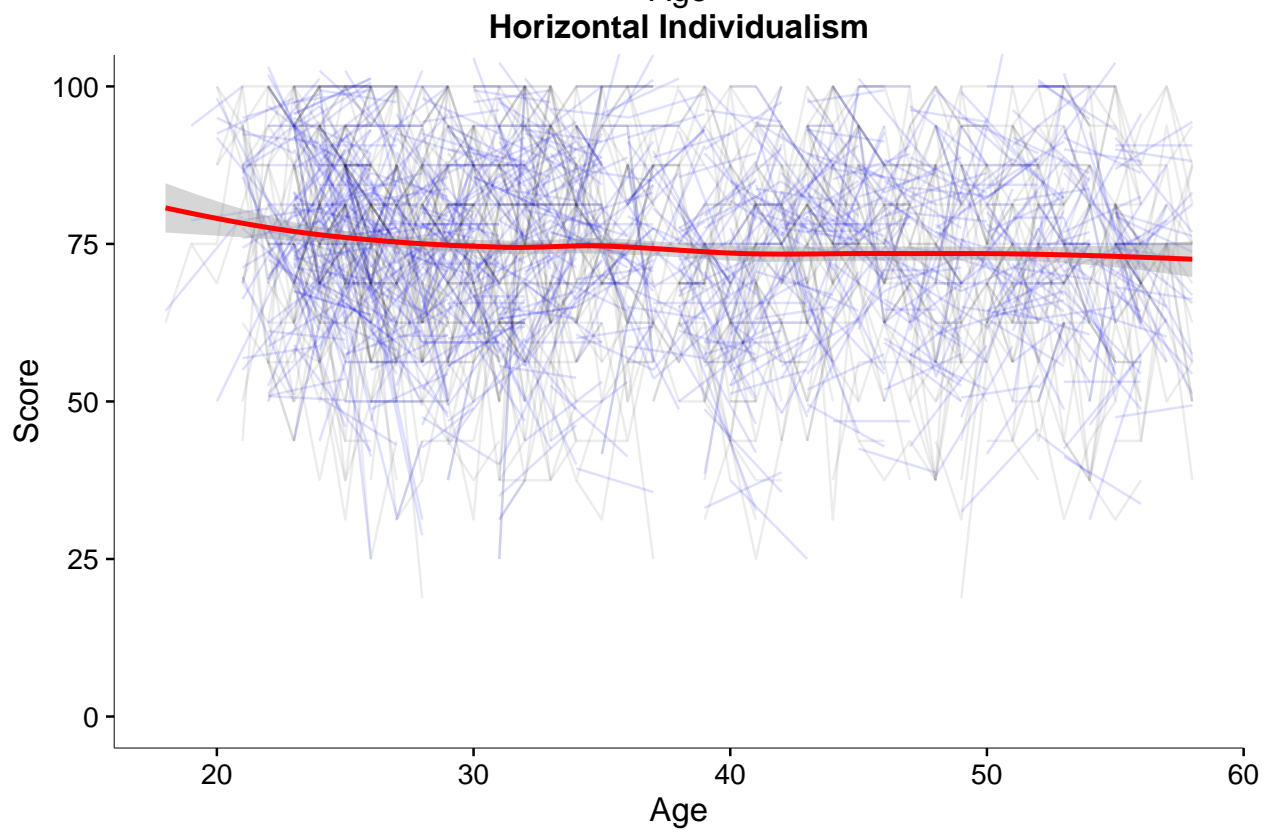
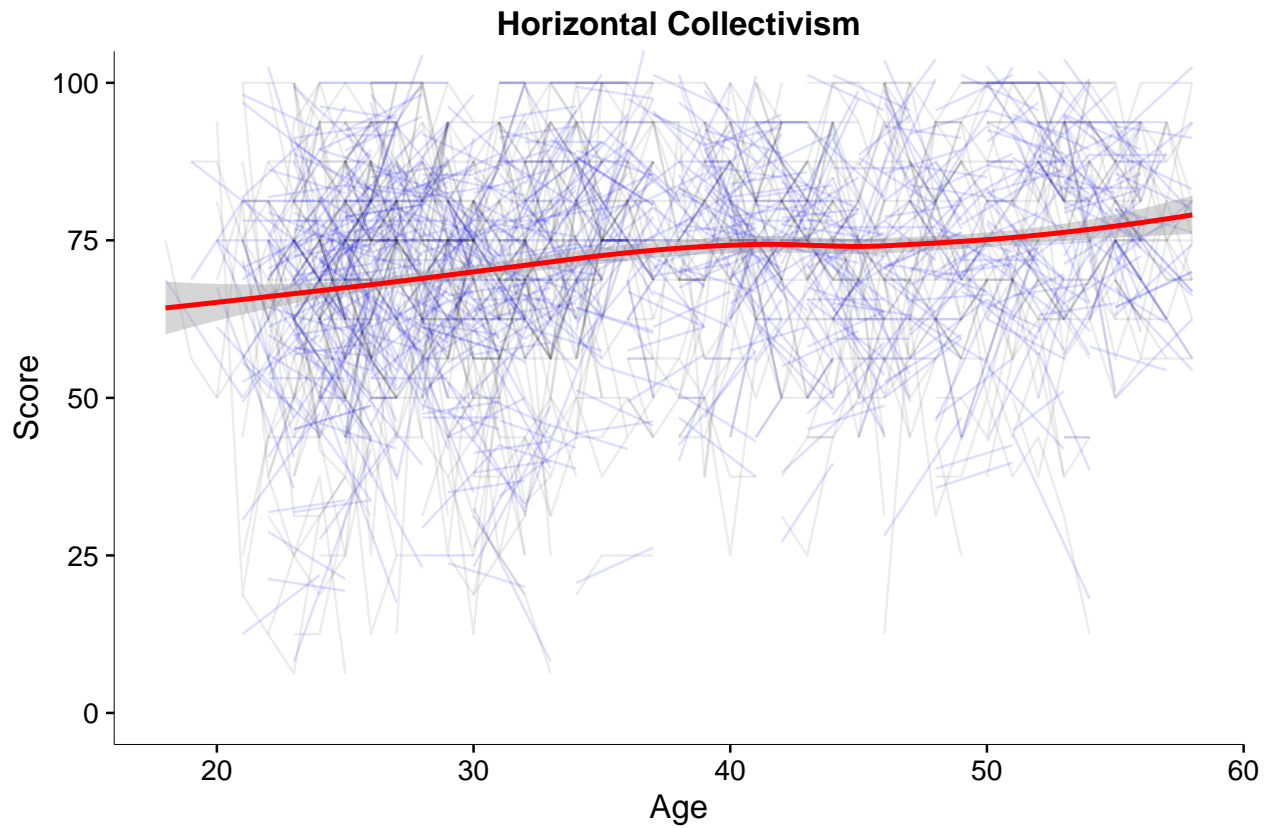
	aVRT_IND	bVRT_IND	cVRT_IND	dVRT_IND
aVRT_IND	1.00	0.68	0.64	0.64
bVRT_IND	0.68	1.00	0.70	0.71
cVRT_IND	0.64	0.70	1.00	0.74
dVRT_IND	0.64	0.71	0.74	1.00

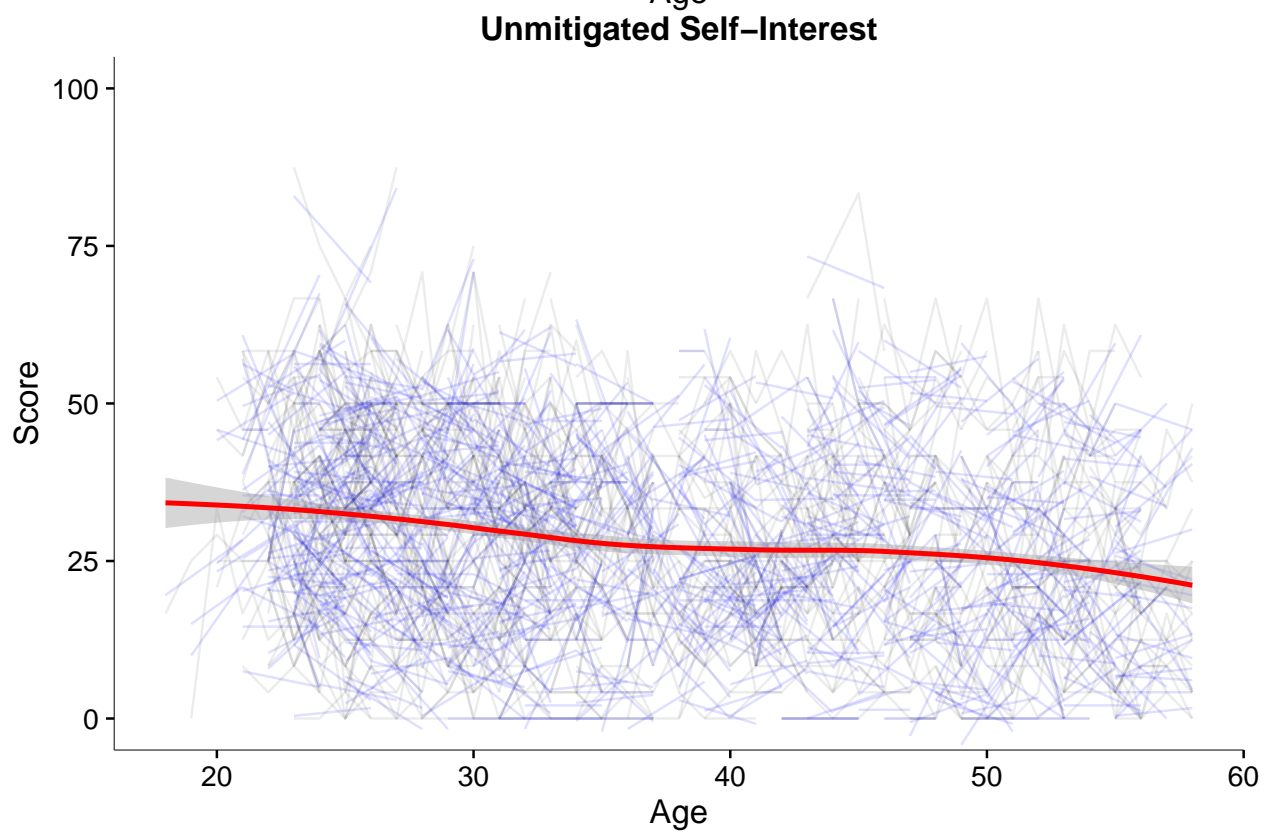
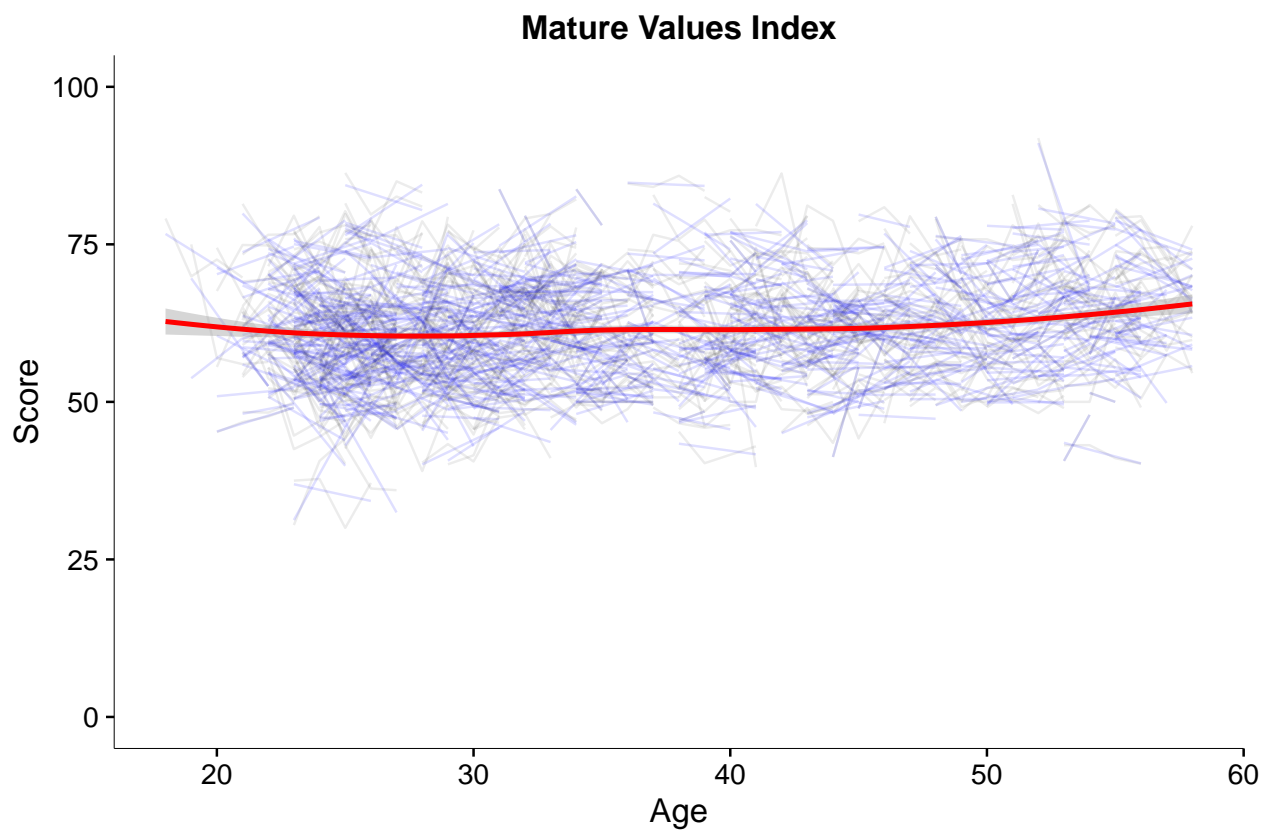
## Values over time: National - Plots

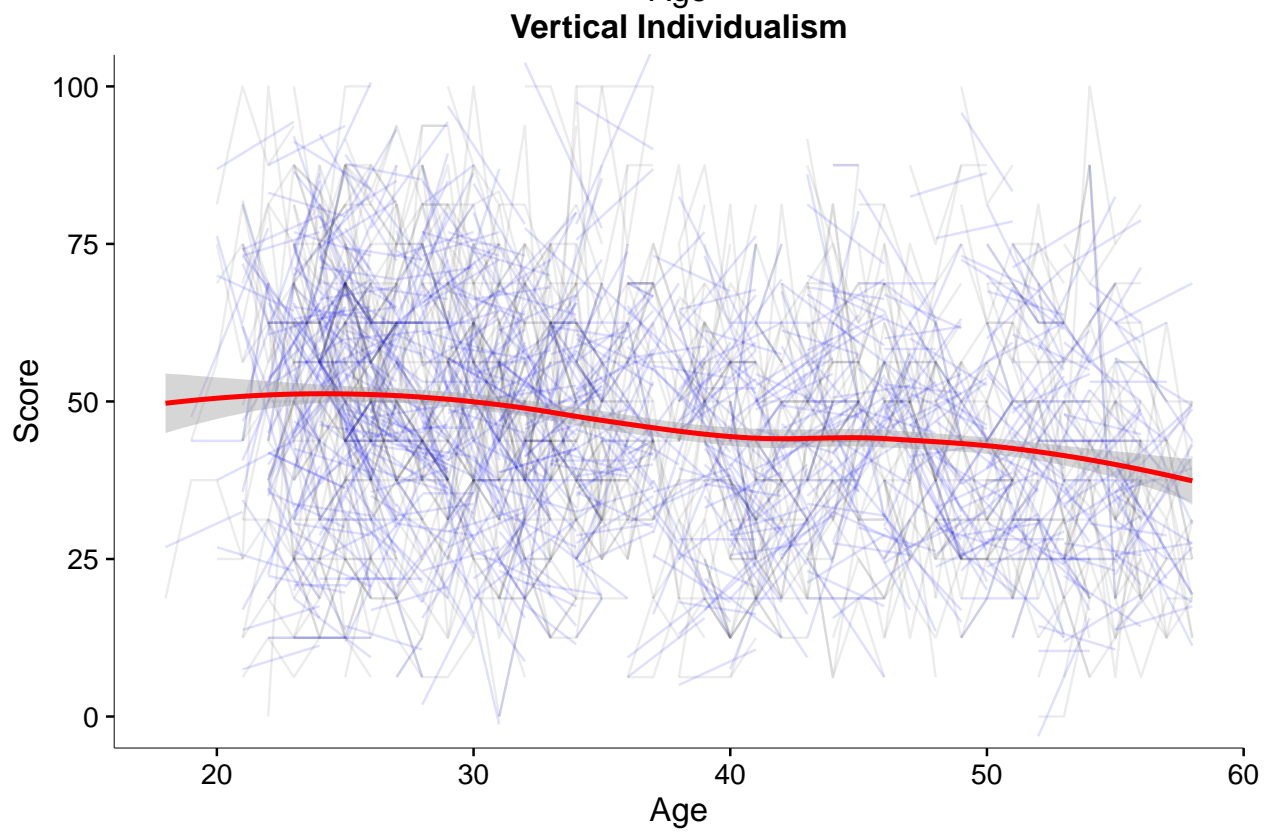
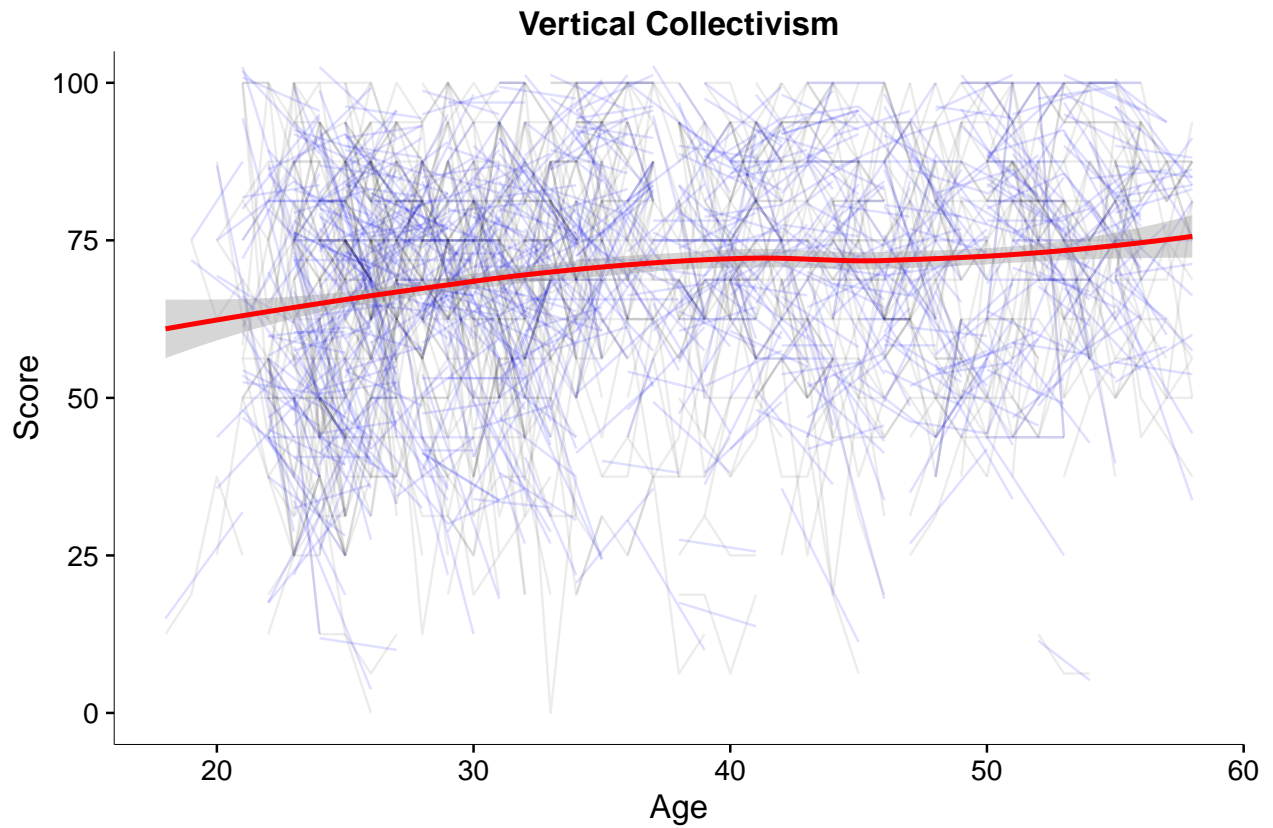
*NB: Three participants have age at wave 1 that is 56 or greater. These are not shown in the below plots.*











Values over time: College

Table 12: Financial Aspirations: cross-wave correlations

	aaspin	baspin	caspfin	daspfin
aaspin	1.00	0.78	0.64	0.65
baspin	0.78	1.00	0.66	0.73
caspfin	0.64	0.66	1.00	0.75
daspfin	0.65	0.73	0.75	1.00

Table 13: Materialism: cross-wave correlations

	aBFA_MT	bBFA_MT	cBFA_MT	dBFA_MT
aBFA_MT	1.00	0.78	0.69	0.67
bBFA_MT	0.78	1.00	0.76	0.74
cBFA_MT	0.69	0.76	1.00	0.84
dBFA_MT	0.67	0.74	0.84	1.00

Table 14: Horizontal Collectivism: cross-wave correlations

	aHRZ_COL	bHRZ_COL	cHRZ_COL	dHRZ_COL
aHRZ_COL	1.00	0.53	0.58	0.59
bHRZ_COL	0.53	1.00	0.67	0.58
cHRZ_COL	0.58	0.67	1.00	0.59
dHRZ_COL	0.59	0.58	0.59	1.00

Table 15: Horizontal Individualism: cross-wave correlations

	aHRZ_IND	bHRZ_IND	cHRZ_IND	dHRZ_IND
aHRZ_IND	1.00	0.64	0.56	0.56
bHRZ_IND	0.64	1.00	0.71	0.55
cHRZ_IND	0.56	0.71	1.00	0.55
dHRZ_IND	0.56	0.55	0.55	1.00

Table 16: Mature Values Index: cross-wave correlations

	aMVI_POMP	bMVI_POMP	cMVI_POMP	dMVI_POMP
aMVI_POMP	1.00	0.80	0.75	0.75
bMVI_POMP	0.80	1.00	0.79	0.74
cMVI_POMP	0.75	0.79	1.00	0.76
dMVI_POMP	0.75	0.74	0.76	1.00

Table 17: Unmitigated Self-Interest: cross-wave correlations

	aUSI	bUSI	cUSI	dUSI
aUSI	1.00	0.71	0.70	0.66
bUSI	0.71	1.00	0.73	0.64
cUSI	0.70	0.73	1.00	0.72
dUSI	0.66	0.64	0.72	1.00

Table 18: Vertical Collectivism: cross-wave correlations

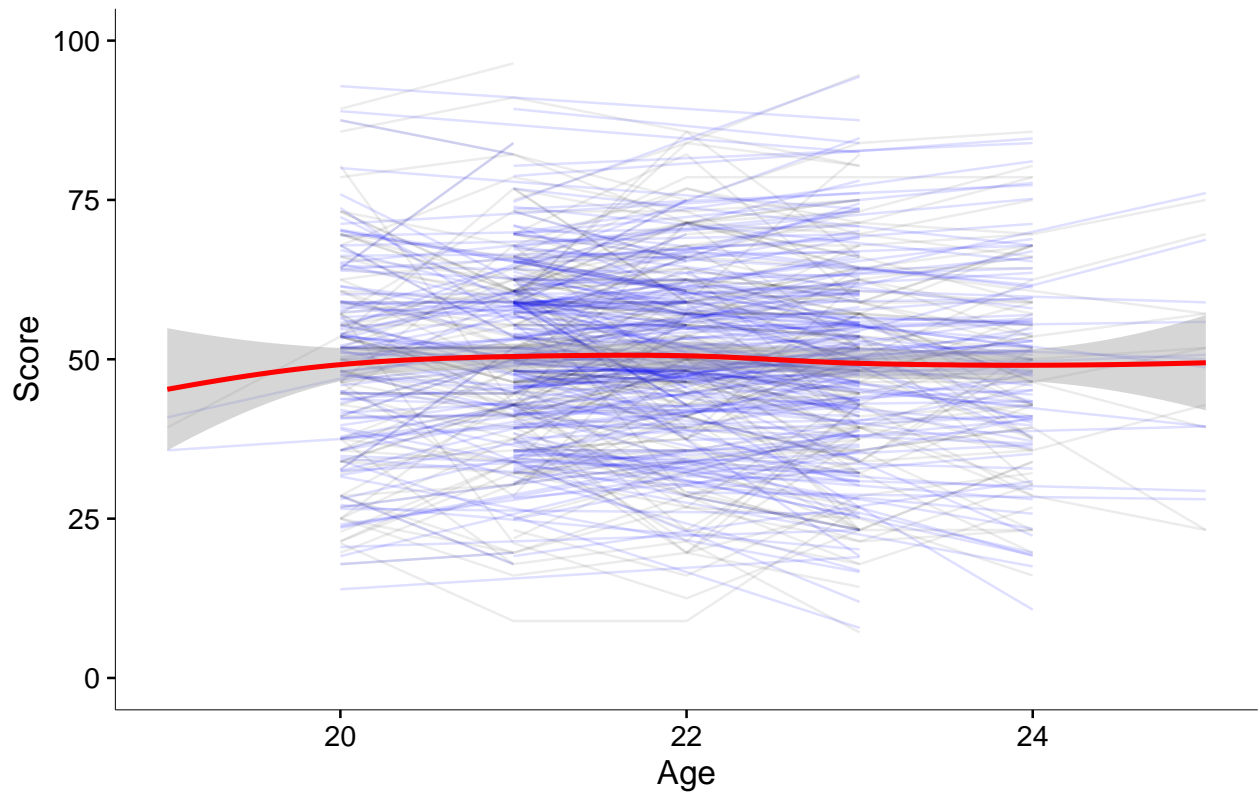
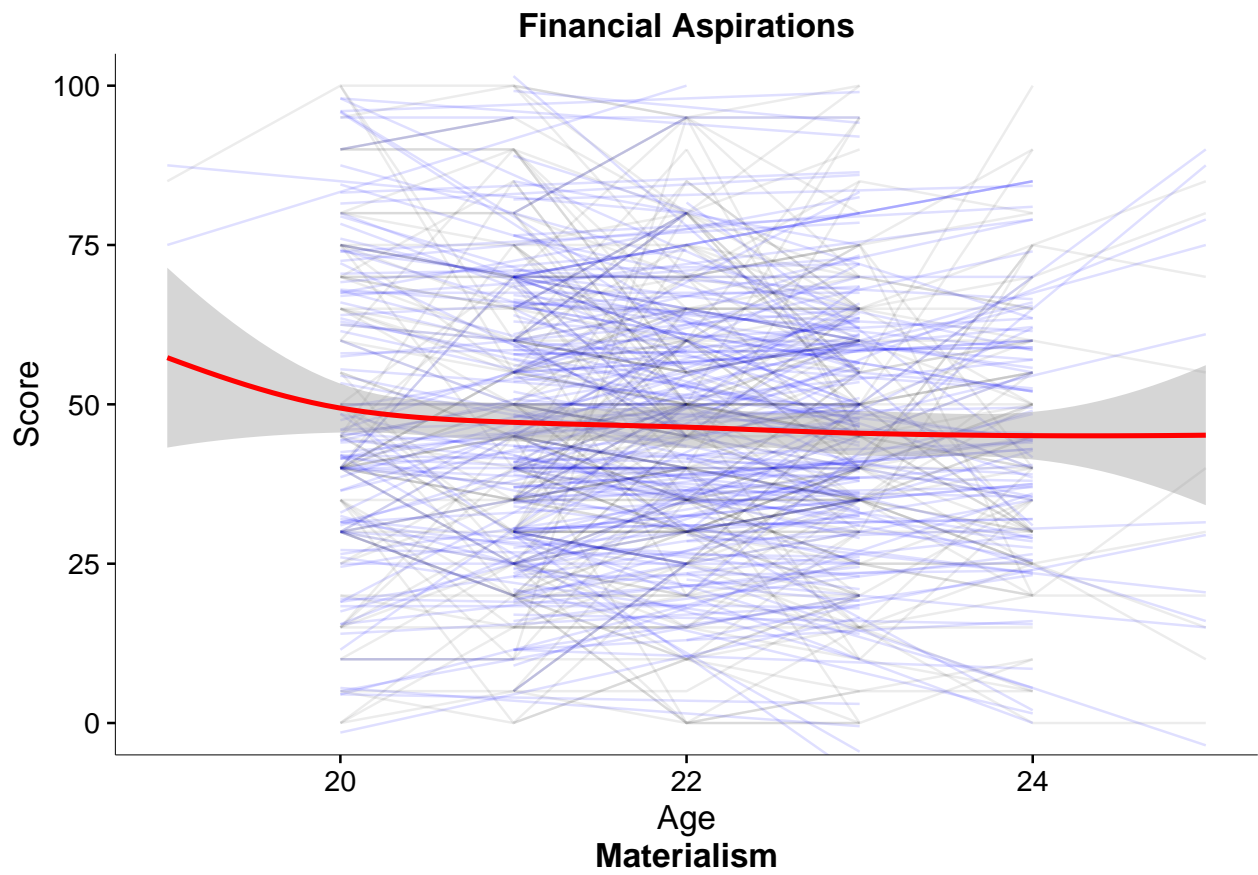
	aVRT_COL	bVRT_COL	cVRT_COL	dVRT_COL
aVRT_COL	1.00	0.64	0.60	0.64
bVRT_COL	0.64	1.00	0.61	0.62
cVRT_COL	0.60	0.61	1.00	0.64
dVRT_COL	0.64	0.62	0.64	1.00

Table 19: Vertical Individualism: cross-wave correlations

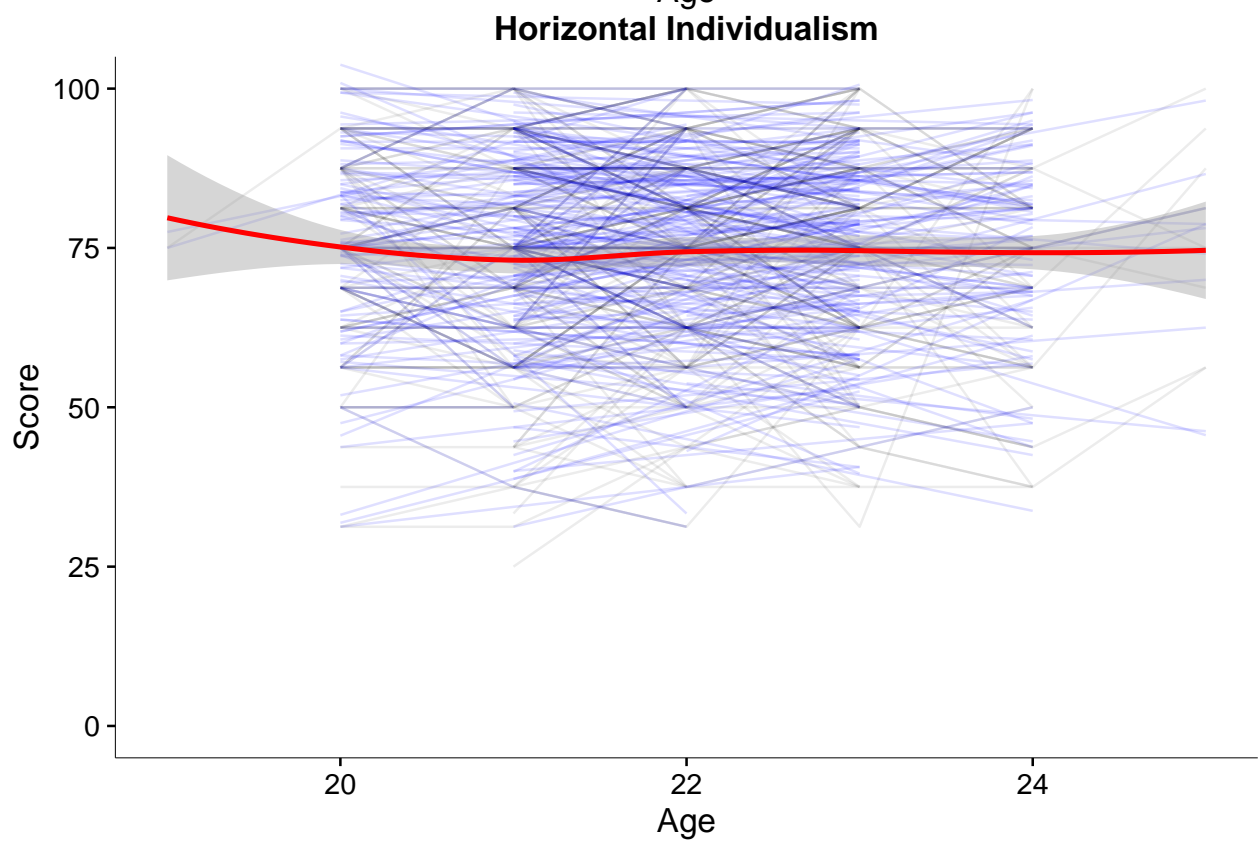
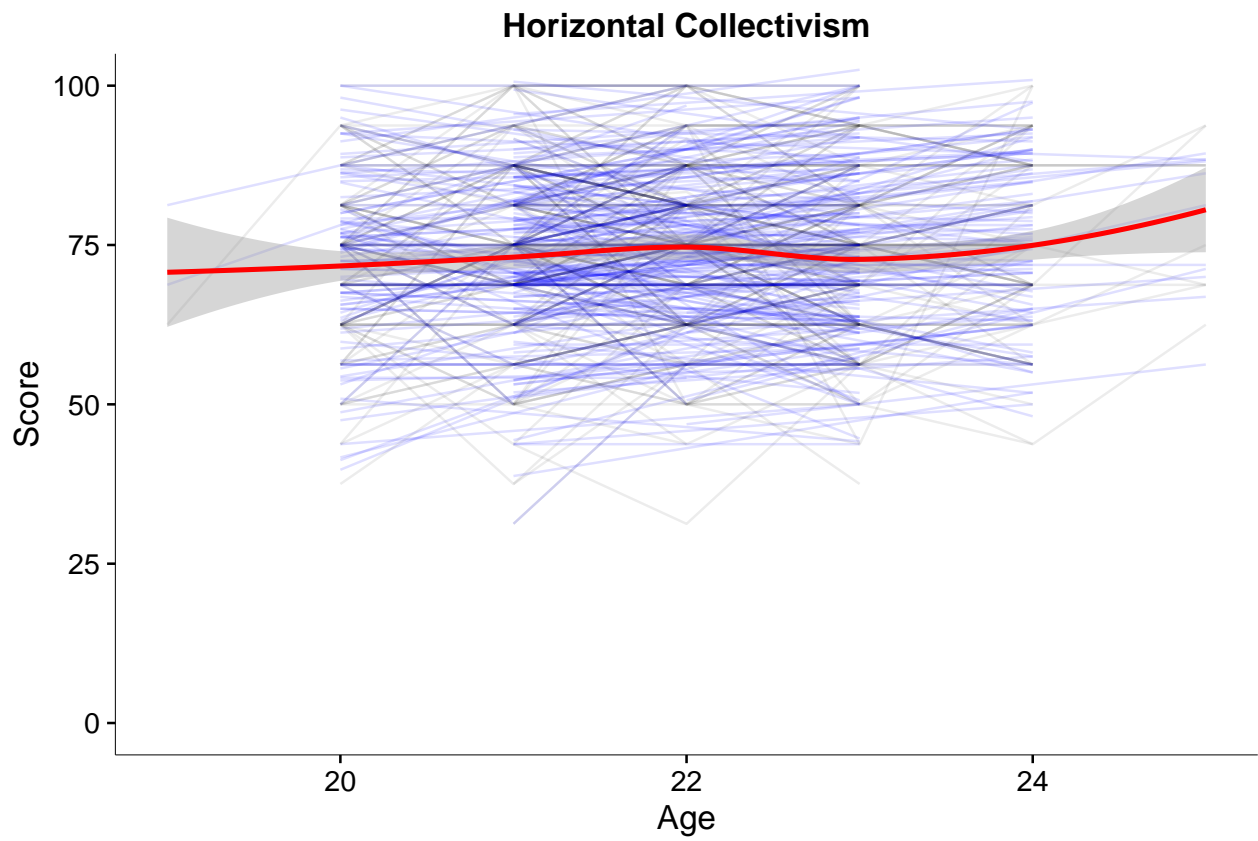
	aVRT_IND	bVRT_IND	cVRT_IND	dVRT_IND
aVRT_IND	1.00	0.68	0.67	0.61
bVRT_IND	0.68	1.00	0.68	0.64
cVRT_IND	0.67	0.68	1.00	0.70
dVRT_IND	0.61	0.64	0.70	1.00

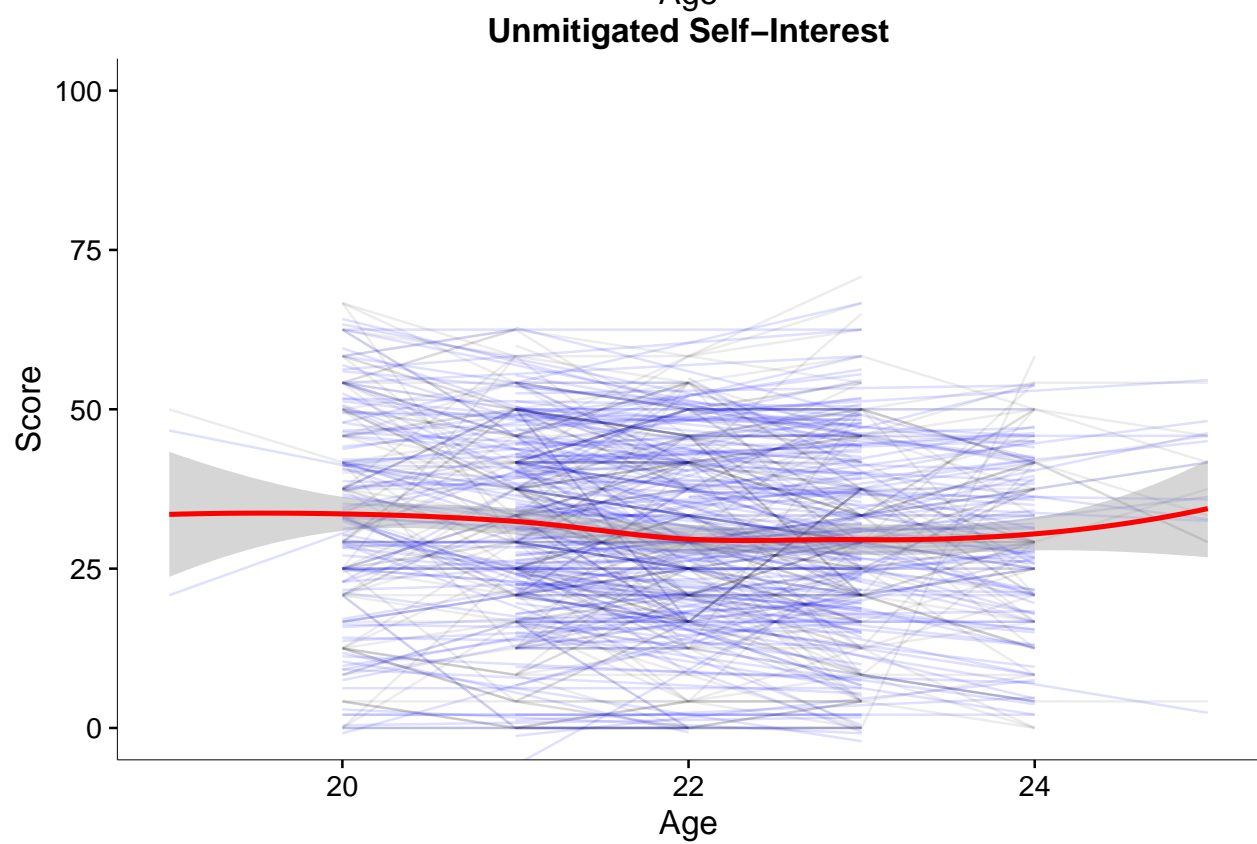
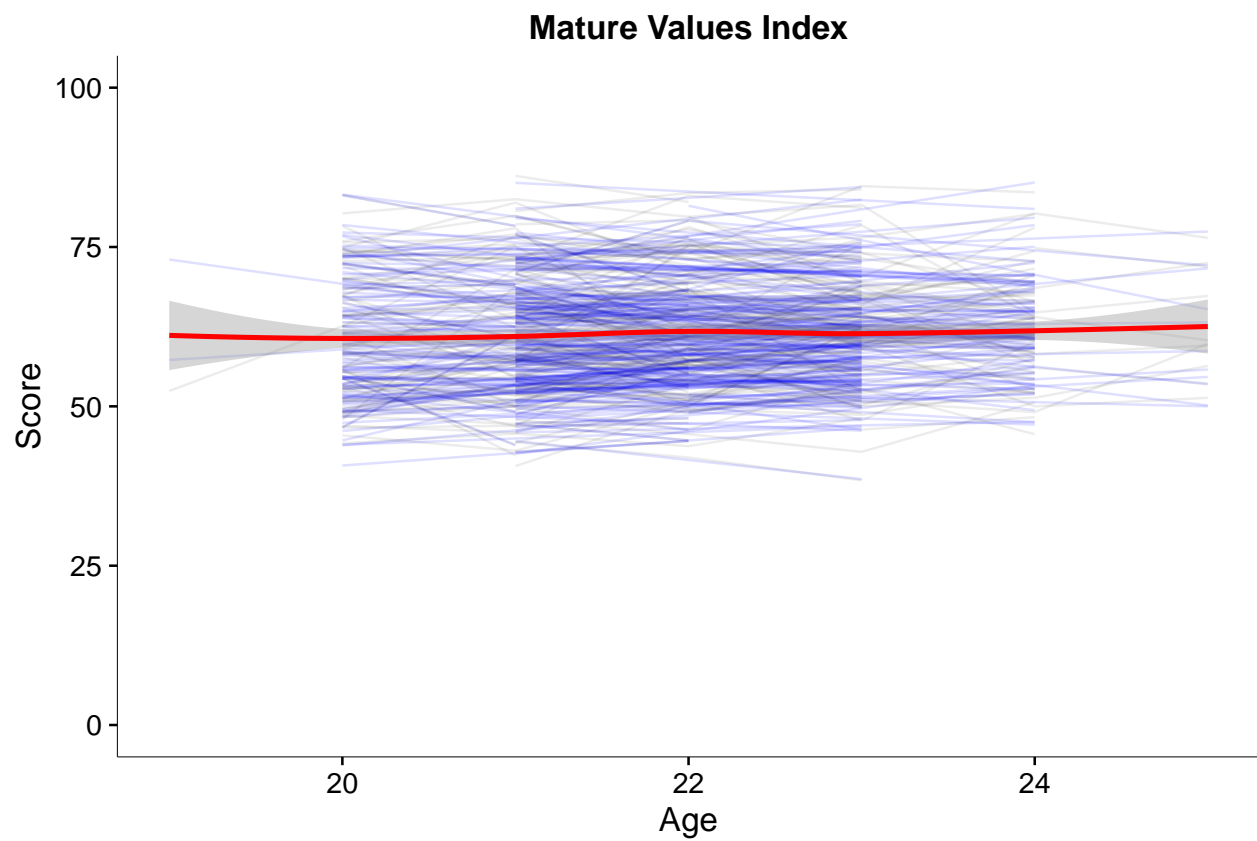
Values over time: College - Plots

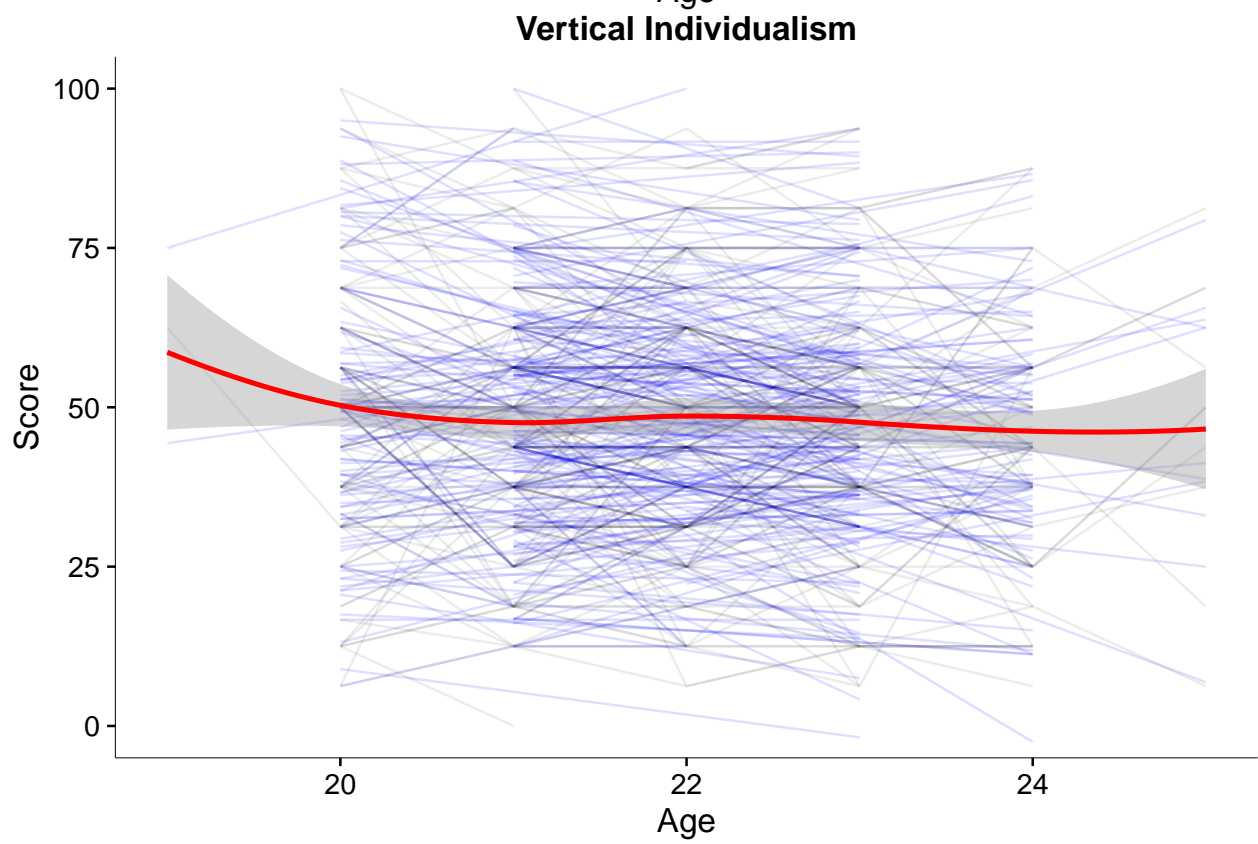
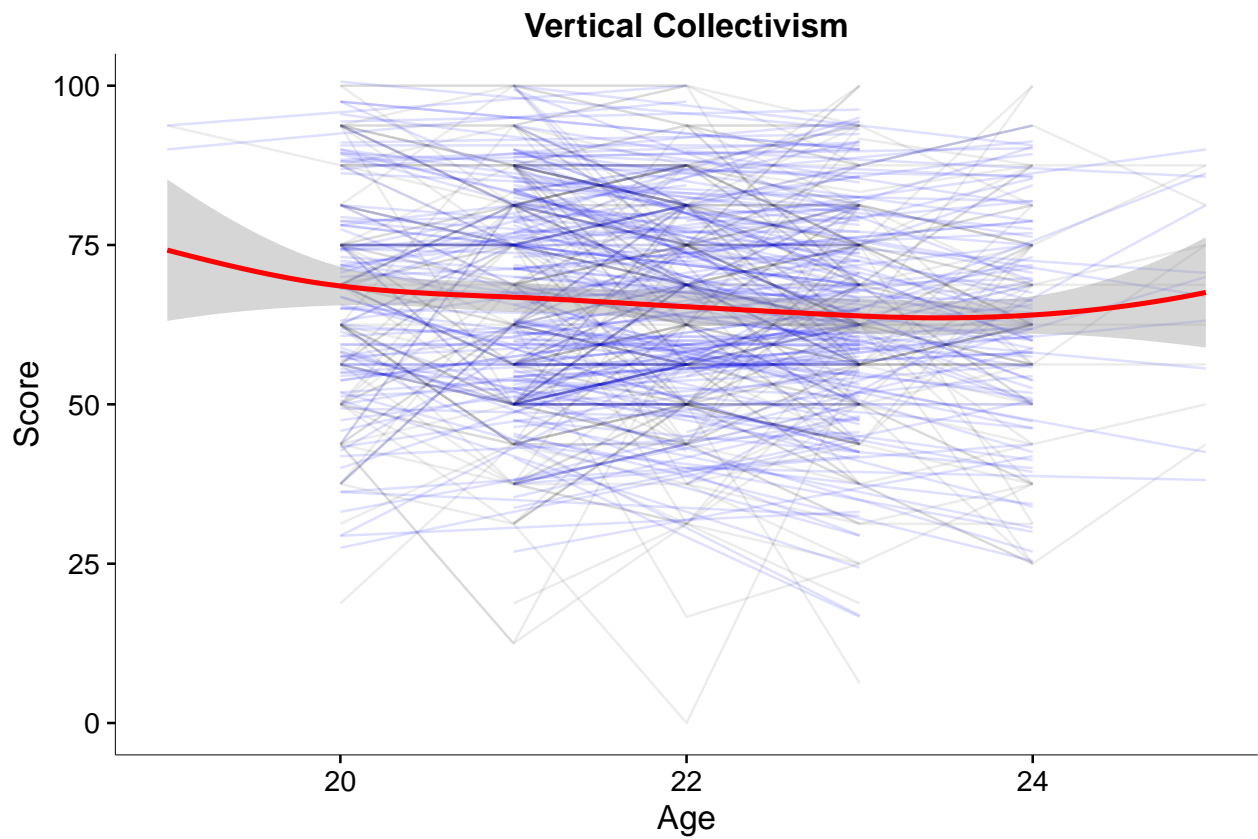












## What models are these results from?

### National

Table 20: Best MLR models, National: All non-lin-lin

pVar	vVar	modelCombo
bfi_hp8	HRZ_COL	MeanOnly_MeanOnly
I_C	MVI_POMP	MeanOnly_Lin
I_H	MVI_POMP	MeanOnly_Lin

Except for the models in the above table, all models are full linear  $\leftrightarrow$  linear, with free slope variances and corresponding covariances. Slope variance for the Mature Values Index was preferred when paired with informant reports based on univariate model fit. All BFI HP  $\leftrightarrow$  HRZ\_COL models had to fall back to MLF estimators, and thus the simplest model (no linear slope variance) was retained.

### College

Table 21: Best MLR models, College: All Linear to Linear-Mean-Only

pVar	vVar	modelCombo
BFA_AC	BFA_MT	Lin_MeanOnly
BFA_AC	MVI_POMP	Lin_MeanOnly
BFA_AP	BFA_MT	Lin_MeanOnly
BFA_AP	VRT_IND	Lin_MeanOnly
BFA_CI	VRT_IND	Lin_MeanOnly
BFA_CO	aspin	Lin_MeanOnly
BFA_CO	MVI_POMP	Lin_MeanOnly
BFA_CO	VRT_COL	Lin_MeanOnly
BFA_CO	VRT_IND	Lin_MeanOnly
BFA_EA	VRT_IND	Lin_MeanOnly
BFA_EE	BFA_MT	Lin_MeanOnly
BFA_EE	HRZ_IND	Lin_MeanOnly
BFA_EE	MVI_POMP	Lin_MeanOnly
BFA_NV	MVI_POMP	Lin_MeanOnly
BFA_NV	VRT_IND	Lin_MeanOnly
BFA_NW	MVI_POMP	Lin_MeanOnly
BFA_OI	HRZ_IND	Lin_MeanOnly
BFA_OI	MVI_POMP	Lin_MeanOnly
BFA_OI	USI	Lin_MeanOnly
BFI_A6	VRT_COL	Lin_MeanOnly
BFI_C	BFA_MT	Lin_MeanOnly
BFI_C	MVI_POMP	Lin_MeanOnly
BFI_C	VRT_COL	Lin_MeanOnly
BFI_E	MVI_POMP	Lin_MeanOnly
bfi_hp8	BFA_MT	Lin_MeanOnly
bfi_hp8	MVI_POMP	Lin_MeanOnly
BFI_N	HRZ_IND	Lin_MeanOnly
BFI_N	MVI_POMP	Lin_MeanOnly

pVar	vVar	modelCombo
BFI_O	HRZ_IND	Lin_MeanOnly
BFI_O	MVI_POMP	Lin_MeanOnly
BFI_O	USI	Lin_MeanOnly
BFI_O	VRT_COL	Lin_MeanOnly
BFI_O	VRT_IND	Lin_MeanOnly
D_SCALE	HRZ_IND	Lin_MeanOnly
D_SCALE	USI	Lin_MeanOnly
S_SCALE	BFA_MT	Lin_MeanOnly
S_SCALE	HRZ_IND	Lin_MeanOnly
S_SCALE	MVI_POMP	Lin_MeanOnly

Table 22: Best MLR models, College: Other non-lin-lin

pVar	vVar	modelCombo
BFA_AP	HRZ_IND	MeanOnly_Lin
BFA_AP	MVI_POMP	MeanOnly_Lin
BFA_AP	USI	MeanOnly_Lin
BFA_CI	MVI_POMP	MeanOnly_Lin
BFA_NV	HRZ_IND	MeanOnly_Lin
BFA_OO	aspin	MeanOnly_Lin
BFA_OO	BFA_MT	MeanOnly_MeanOnly
BFA_OO	USI	MeanOnly_MeanOnly
BFI_A6	aspin	MeanOnly_Lin
BFI_A6	BFA_MT	MeanOnly_MeanOnly
BFI_A6	HRZ_IND	MeanOnly_MeanOnly
bfi_hp8	HRZ_COL	MeanOnly_MeanOnly
BFI_O	BFA_MT	MeanOnly_MeanOnly
BFI_O	HRZ_COL	MeanOnly_Lin
D_SCALE	BFA_MT	MeanOnly_MeanOnly

Except for the models in the above tables, all models are full linear  $\leftrightarrow$  linear, with free slope variances and corresponding covariances. For the college sample, the decision was made to retain slope variance for personality variables when possible.

## Parameter Summaries

The tables summarize the results of the models.

Table 23: Auto-Regressive Associations Between **Financial Aspirations** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	-0.06	-0.04	0.03	0.16	-0.07	-0.06	0.15	0.28	-0.04	0.03	0.03	-0.67
Conscientiousness <sub>BFI</sub>	0.03	-0.02	0.10	0.06	-0.08	-0.03	0.28	0.27	0.01	0.02	-0.06	-0.45
Industriousness <sub>BFAS</sub>	<b>0.11</b>	-0.03	0.05	0.23	0.00	-0.08	0.45	0.30				
Orderliness <sub>BFAS</sub>	0.00	-0.04	<b>0.24</b>	0.14	-0.09	0.01	0.17	NA				
Honesty/Propriety <sub>BFI</sub>	-0.05	-0.00	-0.21	-0.02	-0.07	-0.08	0.20	<b>0.55</b>	-0.04	0.03	-0.05	-0.44
Agreeableness-Six <sub>BFI</sub>	-0.04	-0.01	-0.15	-0.05	-0.12	-0.09	0.01	NA	-0.01	0.05	0.05	-0.64
Compassion <sub>BFAS</sub>	0.06	-0.03	<b>-0.26</b>	-0.67	-0.03	-0.01	-0.16	0.18				
Politeness <sub>BFAS</sub>	-0.01	-0.04	-0.14	-0.50	-0.11	<b>-0.08</b>	-0.17	0.18				
Neuroticism <sub>BFI</sub>	-0.05	0.05	-0.07	0.29	0.01	-0.07	0.02	0.49	-0.01	-0.11	-0.01	0.62
Volatility <sub>BFAS</sub>	0.01	0.03	-0.02	0.01	<b>0.17</b>	-0.02	0.05	0.53				
Withdrawal <sub>BFAS</sub>	-0.03	-0.02	0.06	0.04	0.03	0.03	-0.15	0.32				
Dynamism	0.06	-0.01	<b>0.24</b>	-0.06	0.05	0.09	0.01	-0.29	0.06	0.07	<b>-0.25</b>	-0.49
Extraversion <sub>BFI</sub>	-0.01	-0.03	<b>0.25</b>	0.54	0.10	0.10	-0.06	-0.29	0.06	0.10	-0.19	-0.05
Assertiveness <sub>BFAS</sub>	0.02	-0.04	<b>0.25</b>	0.00	0.06	0.02	0.17	0.06				
Enthusiasm <sub>BFAS</sub>	0.05	-0.00	0.01	0.28	-0.01	0.00	-0.10	-0.18				
Openness <sub>BFI</sub>	0.06	-0.01	-0.05	-0.14	0.02	<b>0.05</b>	<b>-0.42</b>	<b>-0.55</b>	-0.01	0.04	-0.23	-0.47
Intellect <sub>BFAS</sub>	-0.02	-0.03	0.01	-0.65	-0.01	0.01	-0.08	0.08				
Openness <sub>BFAS</sub>	-0.02	-0.04	-0.03	-0.03	-0.24	-0.02	-0.11	NA				

Table 24: Auto-Regressive Associations Between **Materialism** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	-0.06	<b>-0.11</b>	-0.08	-0.46	-0.08	-0.08	0.00	NA	0.00	0.07	-0.14	-0.54
Conscientiousness <sub>BFI</sub>	-0.03	-0.07	-0.01	0.13	0.02	-0.11	0.03	NA	-0.04	-0.11	0.07	0.16
Industriousness <sub>BFAS</sub>	0.04	0.01	-0.19	-0.77	-0.04	<b>-0.19</b>	<b>0.44</b>	0.61				
Orderliness <sub>BFAS</sub>	-0.07	-0.09	<b>0.39</b>	0.12	0.13	-0.08	0.31	0.58				
Honesty/Propriety <sub>BFI</sub>	-0.03	<b>-0.10</b>	-0.15	-0.43	0.07	0.05	-0.21	NA	0.03	<b>0.13</b>	-0.22	-0.64
Agreeableness-Six <sub>BFI</sub>	<b>-0.07</b>	<b>-0.11</b>	<b>-0.24</b>	-0.32	-0.09	-0.11	-0.10	NA	0.01	0.01	-0.12	-0.67
Compassion <sub>BFAS</sub>	-0.04	-0.07	-0.02	-0.36	-0.09	-0.07	0.07	NA				
Politeness <sub>BFAS</sub>	-0.03	-0.05	<b>-0.18</b>	-0.67	-0.12	<b>-0.20</b>	0.09	NA				
Neuroticism <sub>BFI</sub>	-0.00	0.08	<b>0.27</b>	0.48	-0.09	-0.12	<b>0.50</b>	0.88	-0.01	0.07	0.09	0.22
Volatility <sub>BFAS</sub>	-0.01	0.07	<b>0.37</b>	0.48	-0.05	<b>-0.13</b>	<b>0.68</b>	0.45				
Withdrawal <sub>BFAS</sub>	-0.02	0.02	<b>0.38</b>	0.53	<b>-0.13</b>	0.04	<b>0.40</b>	0.06				
Dynamism	0.01	-0.01	-0.08	0.04	0.01	0.02	-0.00	NA	-0.04	-0.04	0.04	-0.02
Extraversion <sub>BFI</sub>	-0.05	0.03	0.07	0.16	0.01	-0.07	0.14	0.56	-0.04	-0.10	0.08	0.07
Assertiveness <sub>BFAS</sub>	-0.04	-0.09	0.15	0.12	-0.03	-0.04	0.18	0.62				
Enthusiasm <sub>BFAS</sub>	-0.03	-0.03	0.07	0.23	-0.01	-0.06	0.12	NA				
Openness <sub>BFI</sub>	-0.01	<b>-0.10</b>	0.02	0.34	-0.03	0.02	-0.23	NA	-0.01	0.04	-0.05	-0.21
Intellect <sub>BFAS</sub>	-0.07	-0.06	0.01	-0.18	-0.13	0.04	0.03	0.09				
Openness <sub>BFAS</sub>	-0.05	-0.03	0.01	0.22	-0.12	-0.08	0.03	NA				

Table 25: Auto-Regressive Associations Between **Horizontal Collectivism** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	<b>0.10</b>	0.06	<b>0.48</b>	0.03	0.03	-0.09	<b>0.60</b>	0.46	0.07	-0.03	<b>0.37</b>	-0.38
Conscientiousness <sub>BFI</sub>	0.00	0.03	<b>0.29</b>	0.36	-0.11	-0.02	0.19	0.04	0.02	-0.01	<b>0.27</b>	-0.12
Industriousness <sub>BFAS</sub>	-0.01	0.02	<b>0.32</b>	0.45	-0.04	-0.01	0.02	-0.28				
Orderliness <sub>BFAS</sub>	0.04	0.06	0.03	-0.07	<b>-0.07</b>	0.02	0.18	0.61				
Honesty/Propriety <sub>BFI</sub>	0.03	0.06	<b>0.31</b>	NA	-0.08	-0.13	<b>0.54</b>	NA	<b>0.09</b>	-0.04	<b>0.25</b>	-0.78
Agreeableness-Six <sub>BFI</sub>	0.07	<b>0.08</b>	<b>0.45</b>	-0.51	-0.00	-0.07	0.23	-0.45	0.03	-0.08	<b>0.50</b>	0.21
Compassion <sub>BFAS</sub>	0.07	0.02	<b>0.54</b>	0.60	0.10	-0.01	<b>0.64</b>	0.43				
Politeness <sub>BFAS</sub>	0.04	-0.02	<b>0.52</b>	-0.42	-0.03	-0.12	<b>0.62</b>	0.53				
Neuroticism <sub>BFI</sub>	-0.06	-0.05	-0.13	-0.42	-0.01	0.07	0.09	0.74	-0.05	-0.06	-0.08	0.02
Volatility <sub>BFAS</sub>	-0.01	-0.01	<b>-0.35</b>	-0.43	0.07	0.16	-0.46	0.64				
Withdrawal <sub>BFAS</sub>	-0.04	-0.04	<b>-0.23</b>	0.04	0.02	0.01	0.01	0.79				
Dynamism	0.03	0.05	0.24	<b>0.85</b>	0.17	0.01	-0.11	-0.87	-0.03	-0.04	<b>0.37</b>	0.59
Extraversion <sub>BFI</sub>	0.00	0.03	<b>0.30</b>	<b>0.84</b>	0.05	0.03	-0.02	-0.61	0.00	0.08	<b>0.27</b>	0.81
Assertiveness <sub>BFAS</sub>	0.01	0.04	0.08	<b>0.81</b>	0.08	0.01	0.15	0.46				
Enthusiasm <sub>BFAS</sub>	0.02	0.02	<b>0.48</b>	0.73	0.04	-0.02	0.17	-0.54				
Openness <sub>BFI</sub>	0.00	0.04	0.07	0.71	<b>0.21</b>	0.04	-0.02	NA	-0.03	-0.14	<b>0.25</b>	0.13
Intellect <sub>BFAS</sub>	<b>-0.10</b>	<b>-0.08</b>	<b>0.35</b>	0.03	0.05	-0.01	0.14	0.11				
Openness <sub>BFAS</sub>	0.01	0.04	0.17	0.02	0.04	0.03	<b>0.44</b>	<b>0.64</b>				

Table 26: Auto-Regressive Associations Between **Horizontal Individualism** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	<b>-0.10</b>	0.01	0.09	0.73	0.11	-0.02	-0.05	NA	-0.01	-0.06	-0.09	-0.38
Conscientiousness <sub>BFI</sub>	-0.02	0.03	<b>0.21</b>	0.56	0.05	-0.06	0.22	0.61	-0.04	-0.04	0.10	0.36
Industriousness <sub>BFAS</sub>	0.01	0.04	0.13	0.76	-0.07	-0.12	<b>0.60</b>	<b>0.72</b>				
Orderliness <sub>BFAS</sub>	0.03	-0.01	0.09	0.82	0.17	-0.09	0.18	0.33				
Honesty/Propriety <sub>BFI</sub>	-0.07	-0.02	0.06	0.59	-0.00	-0.07	0.21	<b>0.75</b>	0.01	-0.07	-0.14	-0.53
Agreeableness-Six <sub>BFI</sub>	-0.04	-0.02	-0.13	0.40	-0.08	-0.13	0.17	NA	0.01	-0.10	-0.13	-0.44
Compassion <sub>BFAS</sub>	-0.04	0.01	-0.08	0.44	0.13	-0.01	0.06	0.68				
Politeness <sub>BFAS</sub>	-0.01	-0.06	-0.02	0.56	0.01	-0.07	-0.02	NA				
Neuroticism <sub>BFI</sub>	-0.05	-0.06	0.07	0.39	-0.05	-0.03	0.29	NA	0.02	-0.06	-0.04	0.13
Volatility <sub>BFAS</sub>	-0.01	-0.01	0.01	0.24	<b>-0.16</b>	-0.02	0.03	NA				
Withdrawal <sub>BFAS</sub>	-0.05	<b>-0.08</b>	0.08	0.41	0.01	-0.00	-0.11	-0.17				
Dynamism	-0.02	0.01	0.19	0.32	<b>0.31</b>	0.10	-0.46	NA	-0.03	-0.00	-0.02	-0.39
Extraversion <sub>BFI</sub>	-0.00	-0.02	0.11	0.26	0.02	-0.05	0.16	0.57	-0.04	0.01	-0.00	-0.09
Assertiveness <sub>BFAS</sub>	0.04	0.01	0.12	0.03	0.04	-0.04	0.28	0.06				
Enthusiasm <sub>BFAS</sub>	0.02	-0.00	-0.14	0.29	-0.02	-0.07	-0.05	NA				
Openness <sub>BFI</sub>	-0.00	-0.01	0.18	0.70	0.28	0.09	-0.40	NA	-0.00	-0.01	-0.01	-0.54
Intellect <sub>BFAS</sub>	-0.01	0.01	<b>0.24</b>	0.07	-0.10	-0.01	0.40	NA				
Openness <sub>BFAS</sub>	-0.05	-0.05	<b>0.23</b>	0.74	-0.04	-0.04	<b>0.39</b>	0.35				

Table 27: Auto-Regressive Associations Between **Mature Values Index** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	0.03	0.08	0.12	0.00	-0.01	-0.02	<b>0.50</b>	NA	0.00	-0.07	0.03	0.64
Conscientiousness <sub>BFI</sub>	0.02	0.04	-0.04	-0.10	-0.04	-0.08	0.35	NA	-0.00	<b>-0.14</b>	<b>0.20</b>	NA
Industriousness <sub>BFAS</sub>	-0.01	0.04	-0.05	-0.18	-0.03	-0.03	0.02	NA				
Orderliness <sub>BFAS</sub>	0.00	-0.03	<b>-0.25</b>	0.00	0.05	0.07	-0.34	NA				
Honesty/Propriety <sub>BFI</sub>	-0.01	0.10	<b>0.30</b>	-0.48	0.04	0.22	-0.11	NA	0.01	-0.20	0.17	NA
Agreeableness-Six <sub>BFI</sub>	0.00	0.05	<b>0.27</b>	-0.03	-0.03	-0.03	<b>0.46</b>	0.58	0.01	-0.00	-0.04	0.79
Compassion <sub>BFAS</sub>	0.00	0.13	<b>0.37</b>	0.57	0.02	0.01	<b>0.49</b>	NA				
Politeness <sub>BFAS</sub>	-0.02	0.06	<b>0.34</b>	0.69	0.03	-0.01	<b>0.50</b>	NA				
Neuroticism <sub>BFI</sub>	0.01	<b>-0.15</b>	0.04	0.16	-0.01	<b>0.14</b>	-0.01	NA	-0.01	-0.14	0.21	-0.32
Volatility <sub>BFAS</sub>	-0.02	-0.09	-0.01	-0.13	0.01	-0.05	-0.19	NA				
Withdrawal <sub>BFAS</sub>	-0.02	-0.04	0.03	0.06	-0.04	-0.04	0.12	NA				
Dynamism	-0.01	-0.05	0.01	0.18	-0.02	0.04	0.05	0.07	0.01	-0.03	0.15	0.62
Extraversion <sub>BFI</sub>	-0.01	0.05	-0.11	-0.52	-0.04	-0.19	0.14	NA	0.01	-0.04	-0.01	0.61
Assertiveness <sub>BFAS</sub>	0.02	0.13	-0.18	-0.32	-0.03	-0.12	-0.05	-0.49				
Enthusiasm <sub>BFAS</sub>	0.01	-0.01	-0.04	-0.04	<b>-0.05</b>	-0.19	<b>0.42</b>	NA				
Openness <sub>BFI</sub>	-0.01	-0.03	<b>0.46</b>	0.38	-0.02	0.14	<b>0.52</b>	NA	0.01	-0.02	<b>0.34</b>	0.39
Intellect <sub>BFAS</sub>	0.02	0.05	<b>0.16</b>	0.77	0.03	-0.13	<b>0.36</b>	NA				
Openness <sub>BFAS</sub>	0.01	0.13	<b>0.45</b>	<b>0.69</b>	0.09	0.08	<b>0.54</b>	-0.02				

Table 28: Auto-Regressive Associations Between **Unmitigated Self-Interest** and Personality Scales, Accounting for Age

	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	-0.05	-0.06	-0.10	-0.07	0.17	-0.03	-0.40	-0.47	-0.03	-0.05	-0.04	0.08
Conscientiousness <sub>BFI</sub>	-0.08	-0.08	<b>0.23</b>	-0.47	0.03	-0.00	-0.27	-0.39	-0.03	-0.03	-0.09	-0.16
Industriousness <sub>BFAS</sub>	0.00	0.03	0.02	-0.61	0.00	<b>-0.18</b>	0.36	0.54				
Orderliness <sub>BFAS</sub>	-0.03	<b>-0.08</b>	<b>0.23</b>	0.38	-0.05	<b>0.17</b>	-0.10	0.03				
Honesty/Propriety <sub>BFI</sub>	-0.05	<b>-0.09</b>	-0.19	0.37	<b>0.19</b>	0.10	-0.58	0.02	-0.03	-0.01	-0.15	-0.11
Agreeableness-Six <sub>BFI</sub>	0.06	-0.04	<b>-0.35</b>	-0.21	-0.08	0.01	0.06	0.45	-0.01	-0.10	0.06	-0.38
Compassion <sub>BFAS</sub>	-0.01	-0.03	<b>-0.41</b>	-0.56	-0.11	<b>-0.17</b>	0.13	0.59				
Politeness <sub>BFAS</sub>	0.00	-0.04	<b>-0.30</b>	-0.55	-0.05	-0.00	-0.33	NA				
Neuroticism <sub>BFI</sub>	<b>-0.07</b>	0.01	<b>0.16</b>	0.63	<b>-0.18</b>	-0.03	0.33	0.48	0.02	0.08	-0.12	0.30
Volatility <sub>BFAS</sub>	-0.04	0.03	0.22	0.48	-0.09	-0.05	0.44	0.60				
Withdrawal <sub>BFAS</sub>	-0.06	-0.03	<b>0.22</b>	0.29	-0.12	-0.13	0.39	0.20				
Dynamism	-0.01	-0.04	0.15	-0.64	0.01	-0.00	0.10	NA	-0.01	0.03	-0.09	-0.29
Extraversion <sub>BFI</sub>	0.03	0.01	0.04	0.18	-0.06	<b>-0.15</b>	<b>0.50</b>	0.65	-0.01	0.01	0.04	-0.22
Assertiveness <sub>BFAS</sub>	-0.02	-0.02	0.12	0.07	0.01	0.05	-0.14	-0.20				
Enthusiasm <sub>BFAS</sub>	0.04	0.02	-0.12	0.08	-0.09	-0.08	0.33	-0.03				
Openness <sub>BFI</sub>	-0.03	<b>-0.07</b>	-0.10	-0.67	0.05	0.02	-0.27	NA	0.00	0.03	-0.20	-0.39
Intellect <sub>BFAS</sub>	-0.07	-0.05	-0.08	-0.11	-0.06	-0.10	-0.06	NA				
Openness <sub>BFAS</sub>	-0.05	-0.06	-0.11	-0.38	-0.05	-0.07	-0.18	NA				



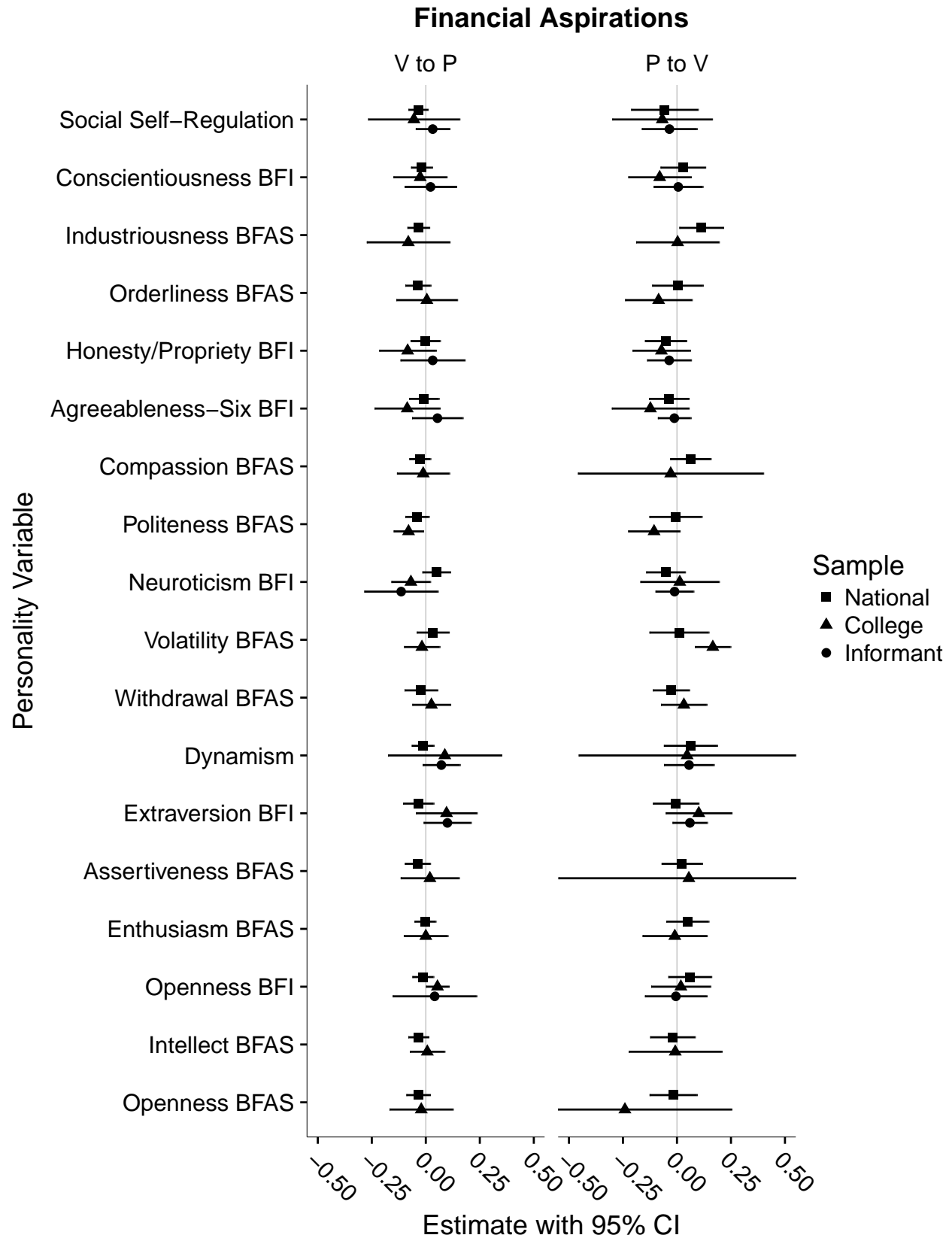
Table 29: Auto-Regressive Associations Between **Vertical Collectivism** and Personality Scales, Accounting for Age

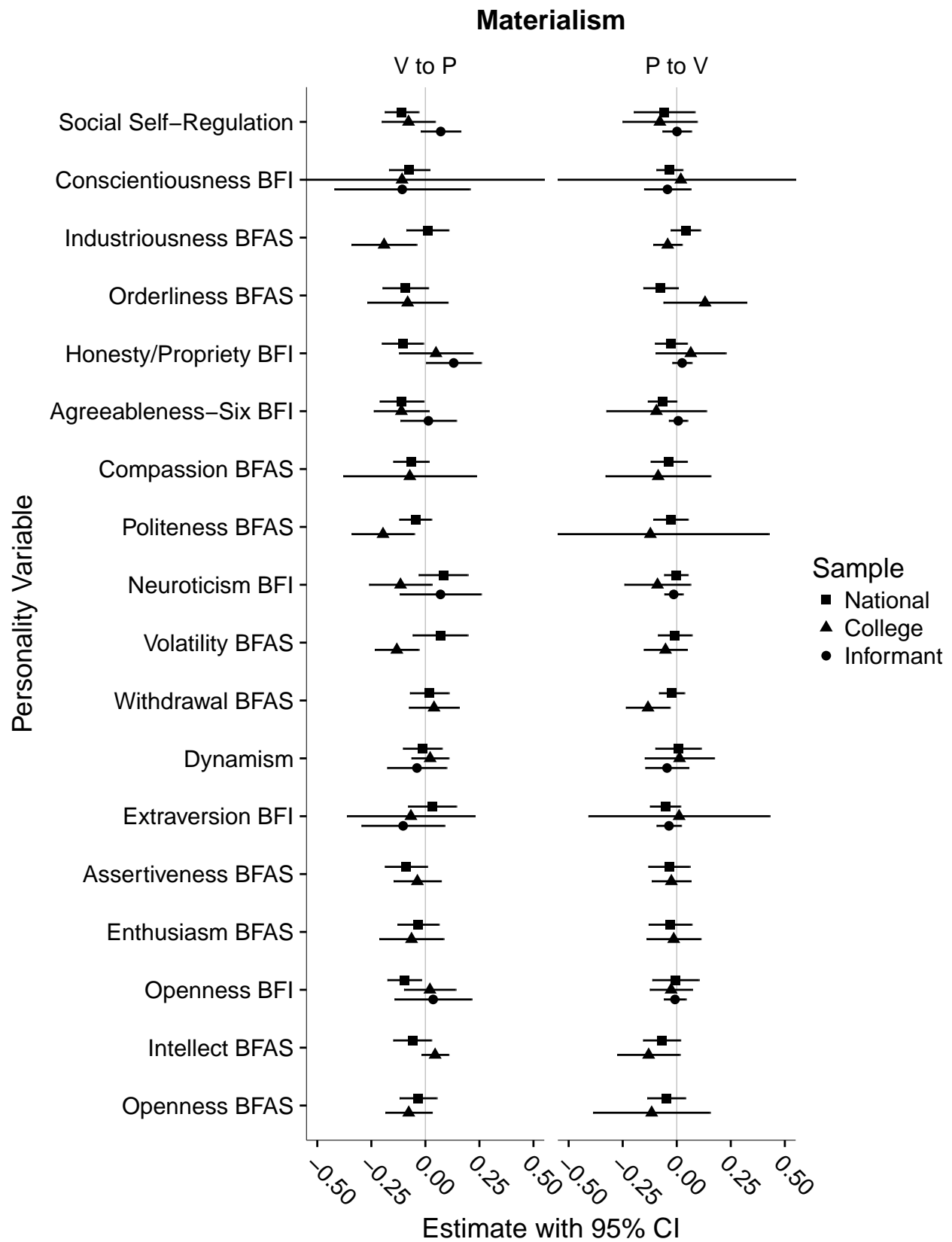
	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	0.05	0.01	<b>0.38</b>	0.54	<b>0.21</b>	<b>-0.10</b>	<b>0.39</b>	0.07	-0.03	-0.02	<b>0.42</b>	-0.65
Conscientiousness <sub>BFI</sub>	-0.01	0.03	<b>0.20</b>	0.53	-0.07	-0.10	0.24	NA	-0.05	-0.05	<b>0.29</b>	-0.37
Industriousness <sub>BFAS</sub>	0.03	0.01	<b>0.25</b>	0.00	0.09	<b>-0.17</b>	0.41	0.48				
Orderliness <sub>BFAS</sub>	0.04	-0.01	0.19	0.78	-0.08	0.03	0.12	NA				
Honesty/Propriety <sub>BFI</sub>	0.00	0.02	<b>0.24</b>	0.41	0.07	-0.06	<b>0.38</b>	0.35	-0.02	-0.06	<b>0.39</b>	-0.74
Agreeableness-Six <sub>BFI</sub>	0.08	0.03	0.10	0.09	-0.03	-0.08	0.15	NA	0.03	0.05	<b>0.26</b>	-0.47
Compassion <sub>BFAS</sub>	0.05	0.01	<b>0.25</b>	-0.13	<b>0.30</b>	0.03	0.04	0.55				
Politeness <sub>BFAS</sub>	-0.03	0.01	<b>0.43</b>	-0.34	0.10	-0.05	0.26	0.56				
Neuroticism <sub>BFI</sub>	-0.02	0.00	-0.05	-0.52	<b>0.18</b>	<b>0.11</b>	-0.24	-0.33	0.03	-0.10	-0.12	0.27
Volatility <sub>BFAS</sub>	0.01	0.05	<b>-0.21</b>	-0.09	-0.03	-0.03	0.08	0.58				
Withdrawal <sub>BFAS</sub>	-0.04	-0.03	0.04	0.30	<b>0.09</b>	0.03	-0.07	-0.08				
Dynamism	-0.06	0.00	0.16	0.38	<b>0.14</b>	0.08	-0.18	-0.54	0.04	<b>0.09</b>	<b>-0.23</b>	-0.21
Extraversion <sub>BFI</sub>	<b>-0.08</b>	-0.01	<b>0.20</b>	0.21	0.05	-0.02	0.08	0.48	-0.01	0.10	-0.03	-0.14
Assertiveness <sub>BFAS</sub>	-0.04	-0.00	0.11	0.04	0.12	-0.00	0.13	0.58				
Enthusiasm <sub>BFAS</sub>	0.03	0.03	0.19	-0.55	0.05	-0.09	0.15	-0.39				
Openness <sub>BFI</sub>	-0.02	0.02	-0.07	0.27	0.15	0.00	-0.24	NA	0.06	0.07	<b>-0.37</b>	-0.27
Intellect <sub>BFAS</sub>	-0.03	-0.03	0.07	-0.38	0.05	-0.02	0.21	-0.10				
Openness <sub>BFAS</sub>	0.02	0.02	-0.02	0.26	<b>0.25</b>	0.05	-0.17	0.18				

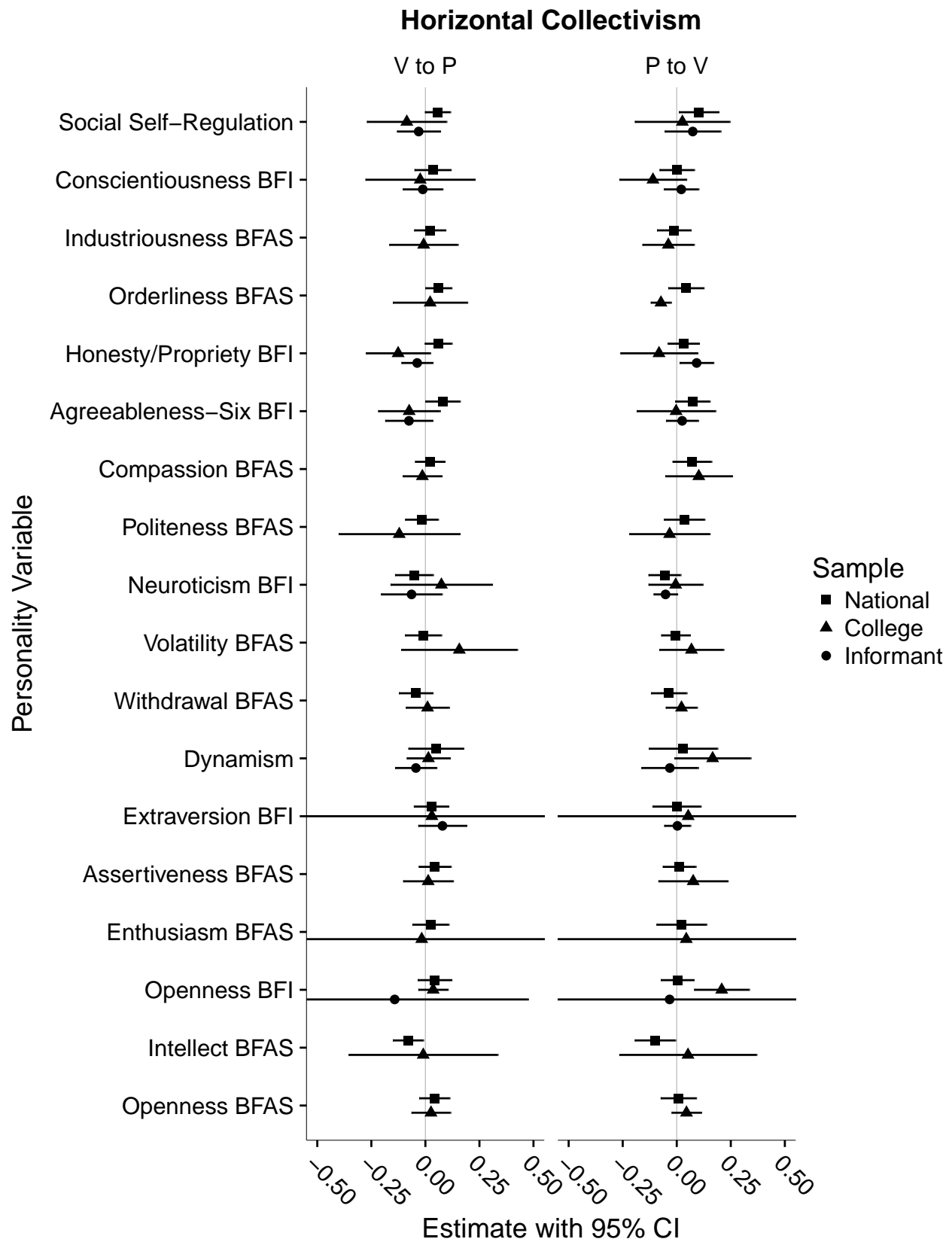
Table 30: Auto-Regressive Associations Between **Vertical Individualism** and Personality Scales, Accounting for Age

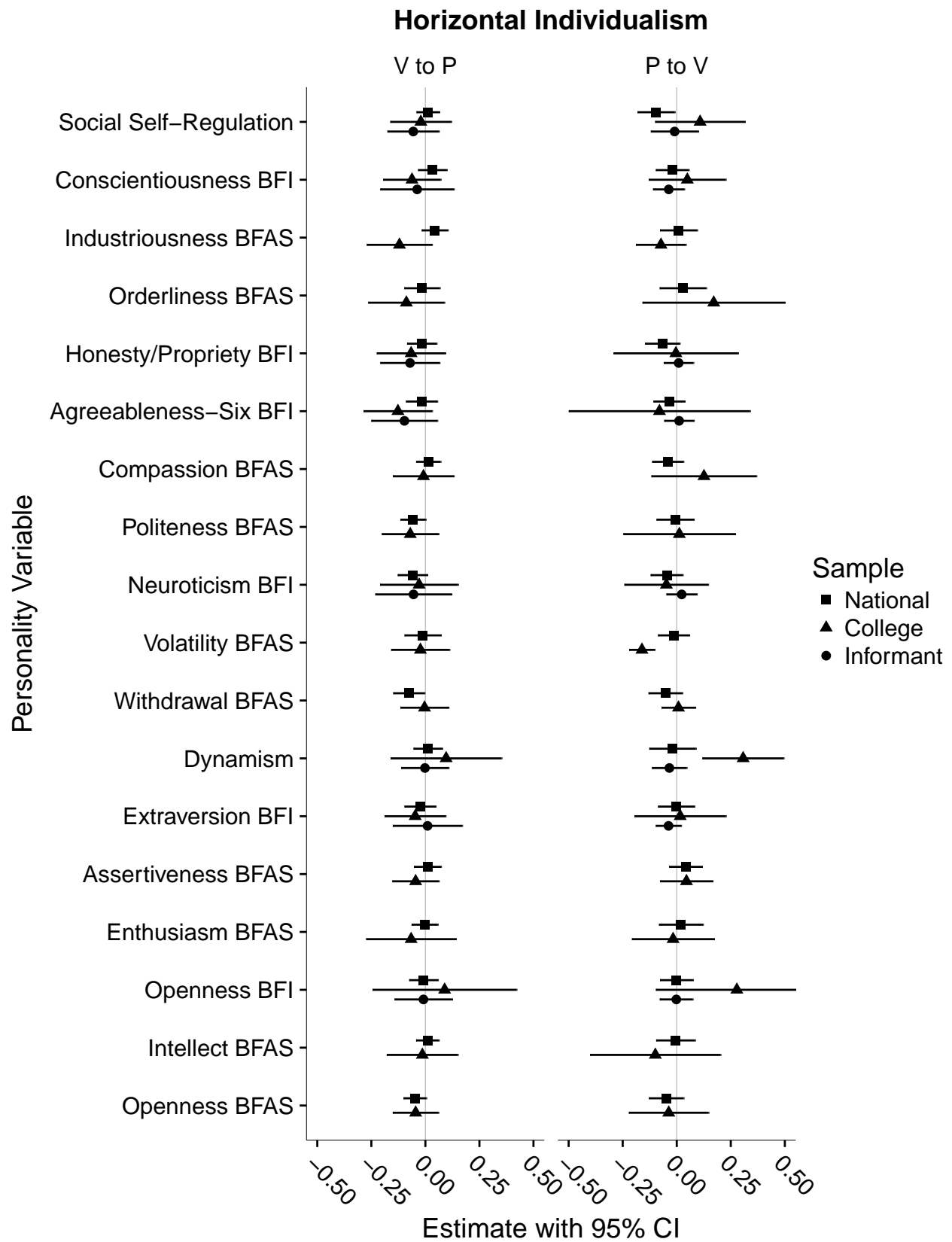
	National Sample				Student Sample				Informant Sample			
	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$	$P \rightarrow V$	$V \rightarrow P$	$r_{P_i V_i}$	$r_{P_s V_s}$
Social Self-Regulation	-0.07	-0.02	<b>-0.20</b>	0.04	0.06	0.12	-0.76	-0.27	-0.02	-0.01	-0.06	-0.31
Conscientiousness <sub>BFI</sub>	0.03	0.03	-0.07	0.43	0.10	-0.01	0.02	0.52	0.01	0.01	-0.13	0.20
Industriousness <sub>BFAS</sub>	0.00	0.03	-0.04	0.47	0.10	-0.02	-0.00	NA				
Orderliness <sub>BFAS</sub>	0.03	-0.00	0.07	0.35	0.10	0.07	0.06	NA				
Honesty/Propriety <sub>BFI</sub>	-0.03	-0.03	<b>-0.31</b>	0.02	<b>0.15</b>	0.11	<b>-0.55</b>	0.01	-0.02	-0.11	0.05	-0.35
Agreeableness-Six <sub>BFI</sub>	-0.05	-0.01	<b>-0.27</b>	-0.42	-0.01	0.01	-0.56	-0.23	-0.03	-0.06	0.03	-0.49
Compassion <sub>BFAS</sub>	-0.01	<b>-0.09</b>	<b>-0.22</b>	-0.74	<b>0.09</b>	0.02	<b>-0.44</b>	0.04				
Politeness <sub>BFAS</sub>	-0.05	<b>-0.09</b>	<b>-0.32</b>	-0.58	-0.16	-0.04	-0.30	NA				
Neuroticism <sub>BFI</sub>	0.03	0.04	0.00	0.57	0.04	0.03	-0.10	-0.42	-0.04	0.00	0.02	0.16
Volatility <sub>BFAS</sub>	<b>0.11</b>	<b>0.08</b>	-0.03	0.05	0.01	-0.04	0.30	NA				
Withdrawal <sub>BFAS</sub>	-0.01	-0.03	<b>0.17</b>	-0.12	0.00	0.01	-0.03	-0.49				
Dynamism	-0.03	-0.01	<b>0.21</b>	-0.46	0.09	-0.03	0.01	0.40	-0.08	-0.02	-0.03	-0.53
Extraversion <sub>BFI</sub>	0.01	-0.01	0.13	0.16	0.01	-0.04	0.10	0.71	<b>-0.08</b>	-0.04	0.14	-0.26
Assertiveness <sub>BFAS</sub>	0.02	0.00	0.17	-0.26	0.07	0.05	-0.04	NA				
Enthusiasm <sub>BFAS</sub>	0.00	0.00	-0.05	-0.18	<b>-0.16</b>	-0.17	0.38	0.80				
Openness <sub>BFI</sub>	-0.02	-0.05	-0.01	-0.51	0.03	0.01	<b>-0.25</b>	NA	-0.01	0.01	-0.23	-0.46
Intellect <sub>BFAS</sub>	-0.08	<b>-0.07</b>	0.15	-0.71	0.01	0.04	-0.17	-0.36				
Openness <sub>BFAS</sub>	-0.13	<b>-0.09</b>	0.05	-0.45	0.08	0.03	<b>-0.36</b>	0.12				

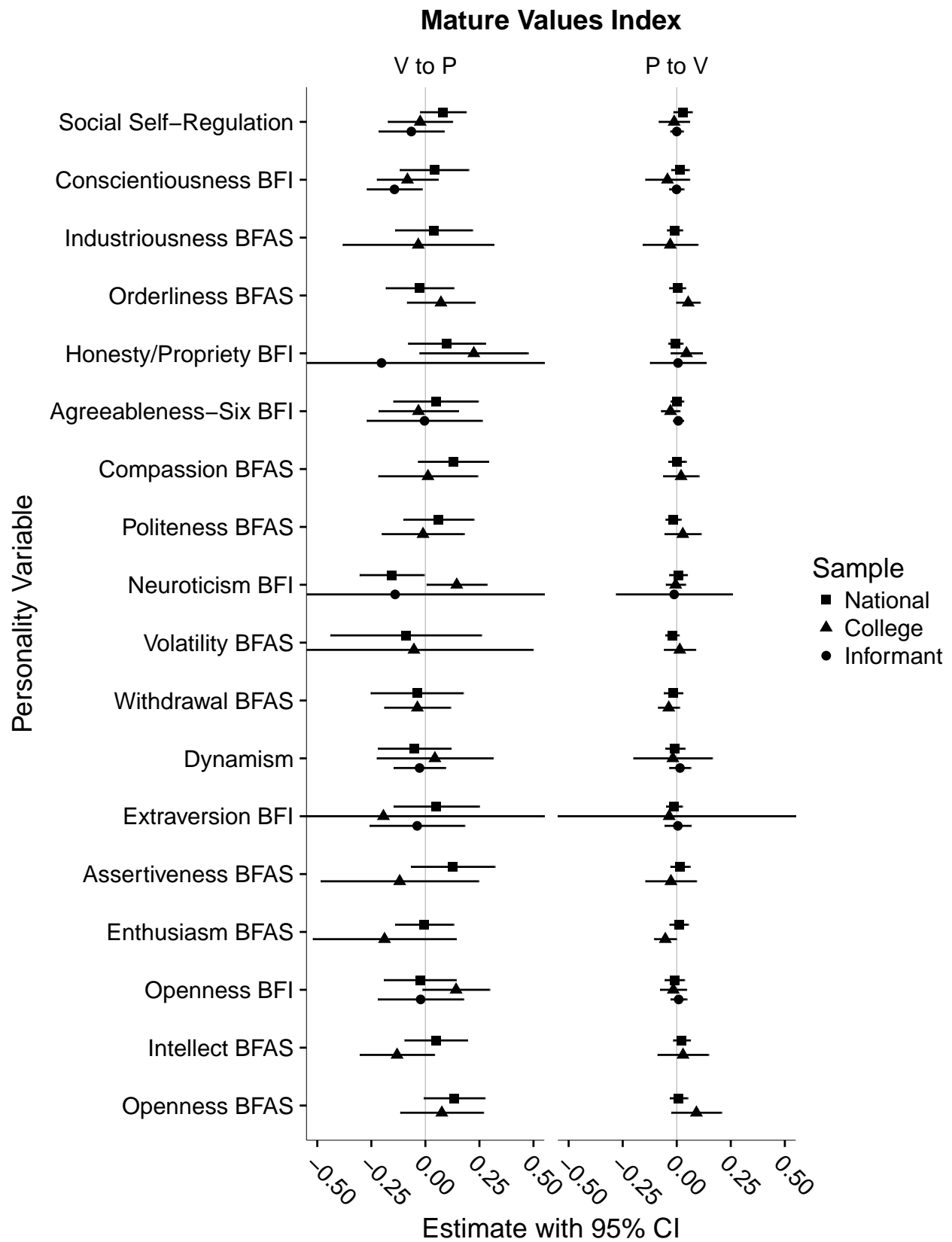
## Cross-lag Parameter Plots

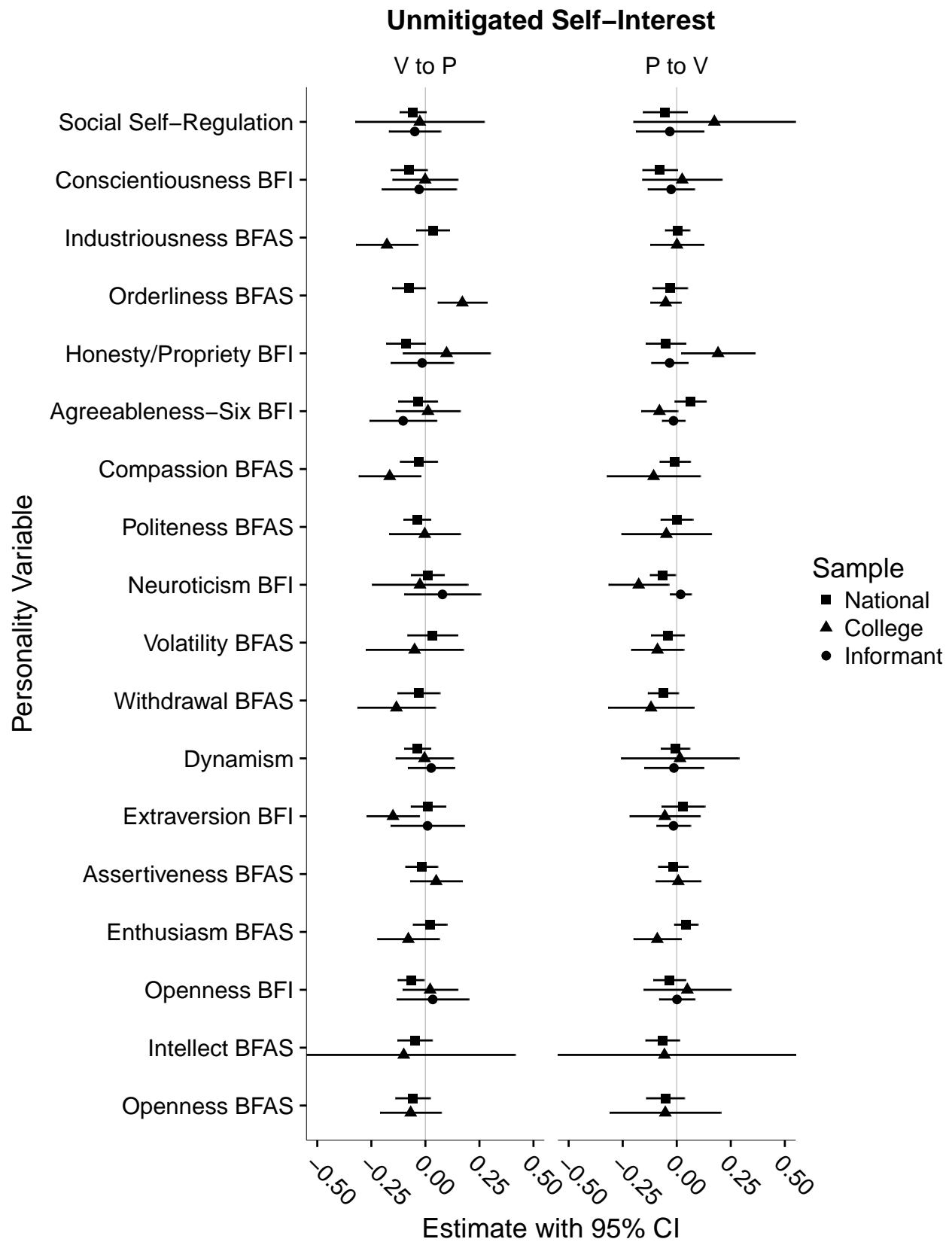


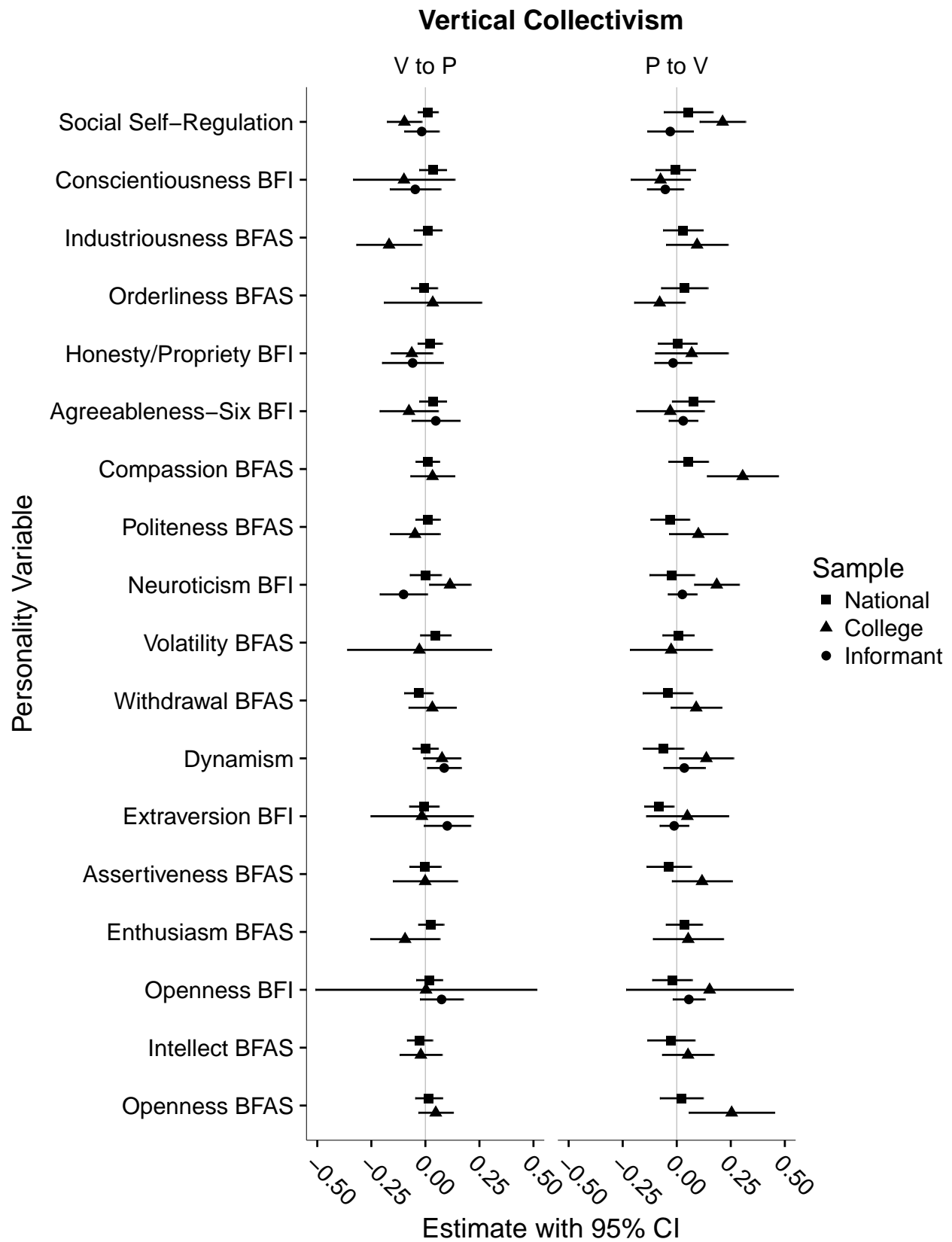




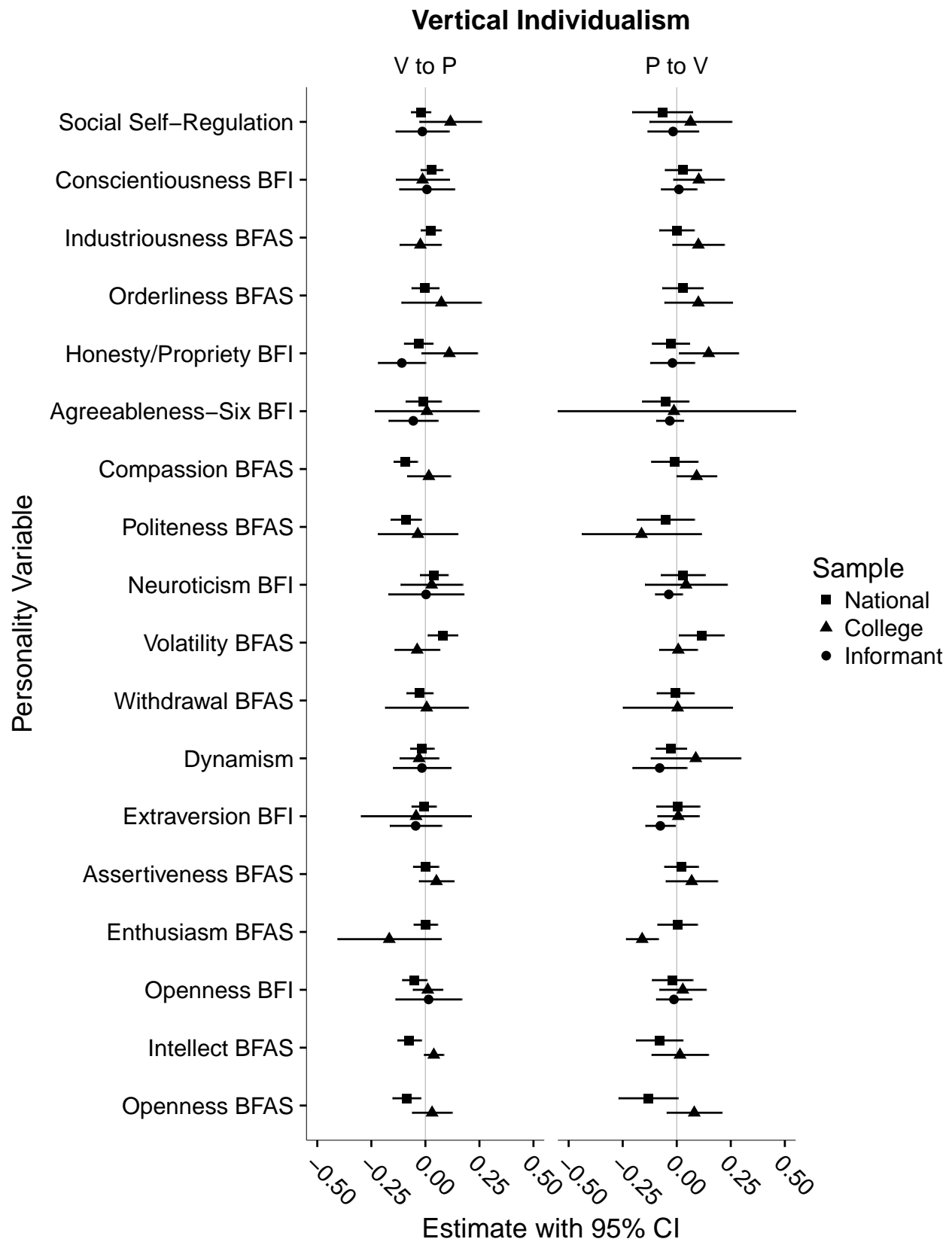






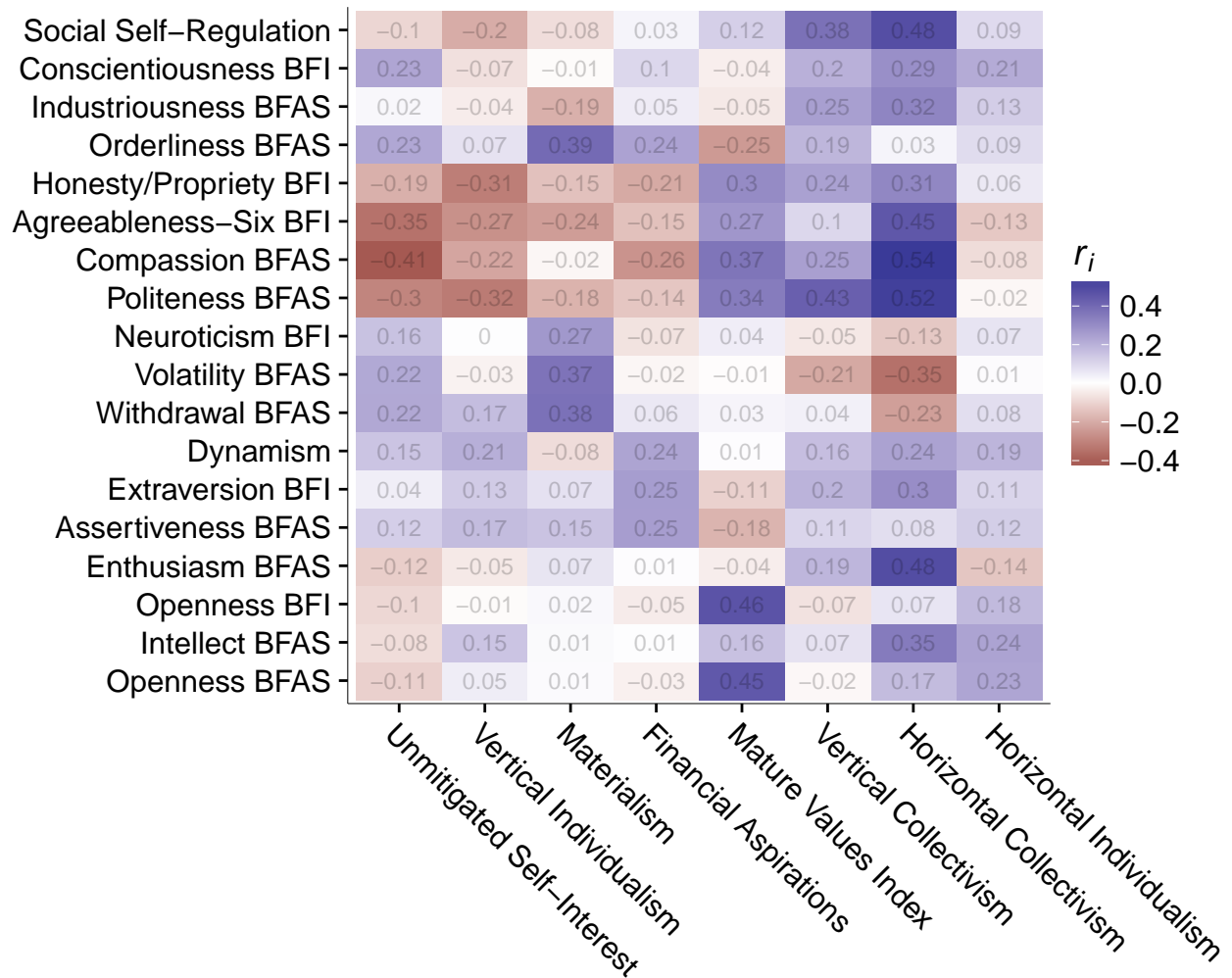




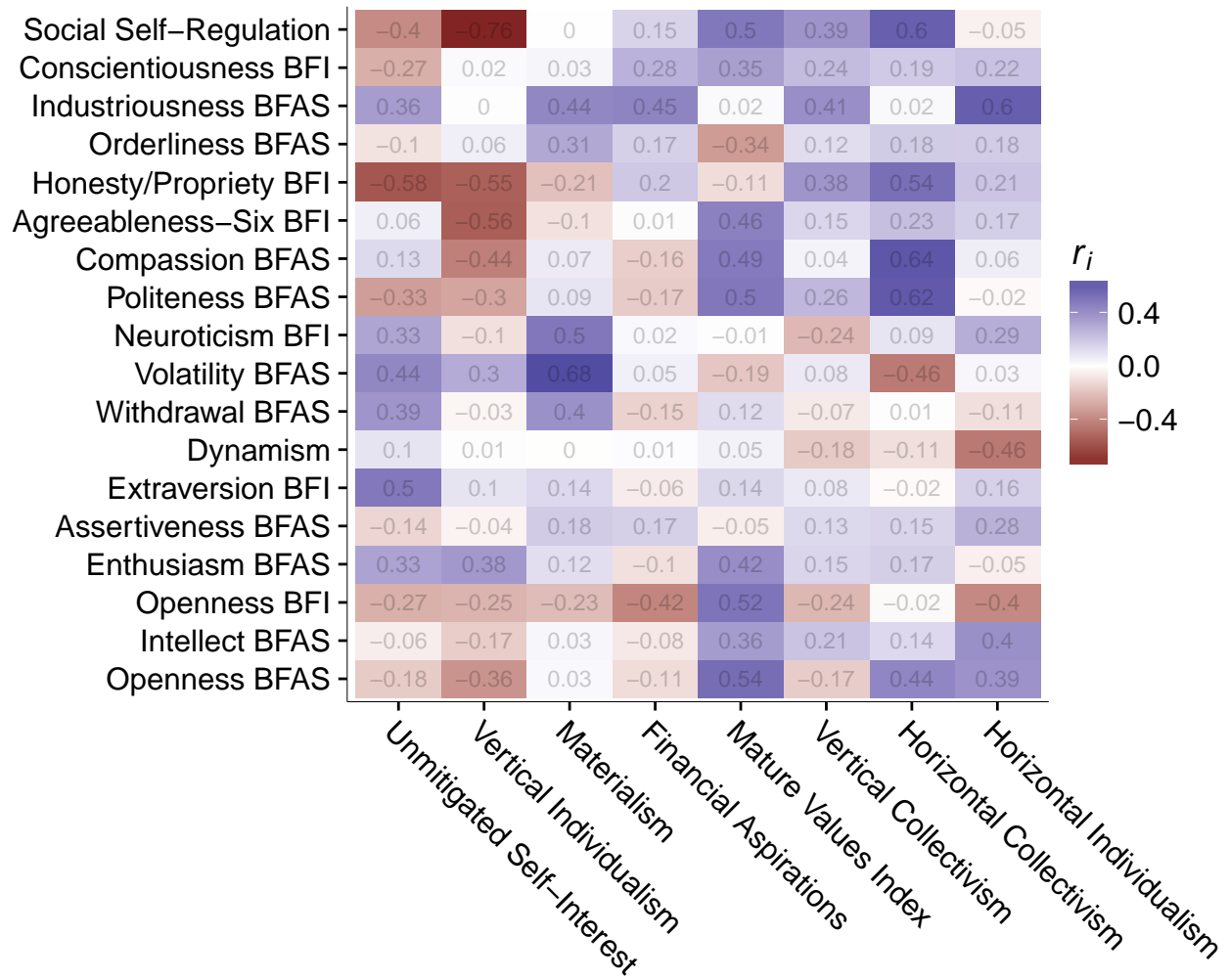


## Latent Variable Correlation Tables

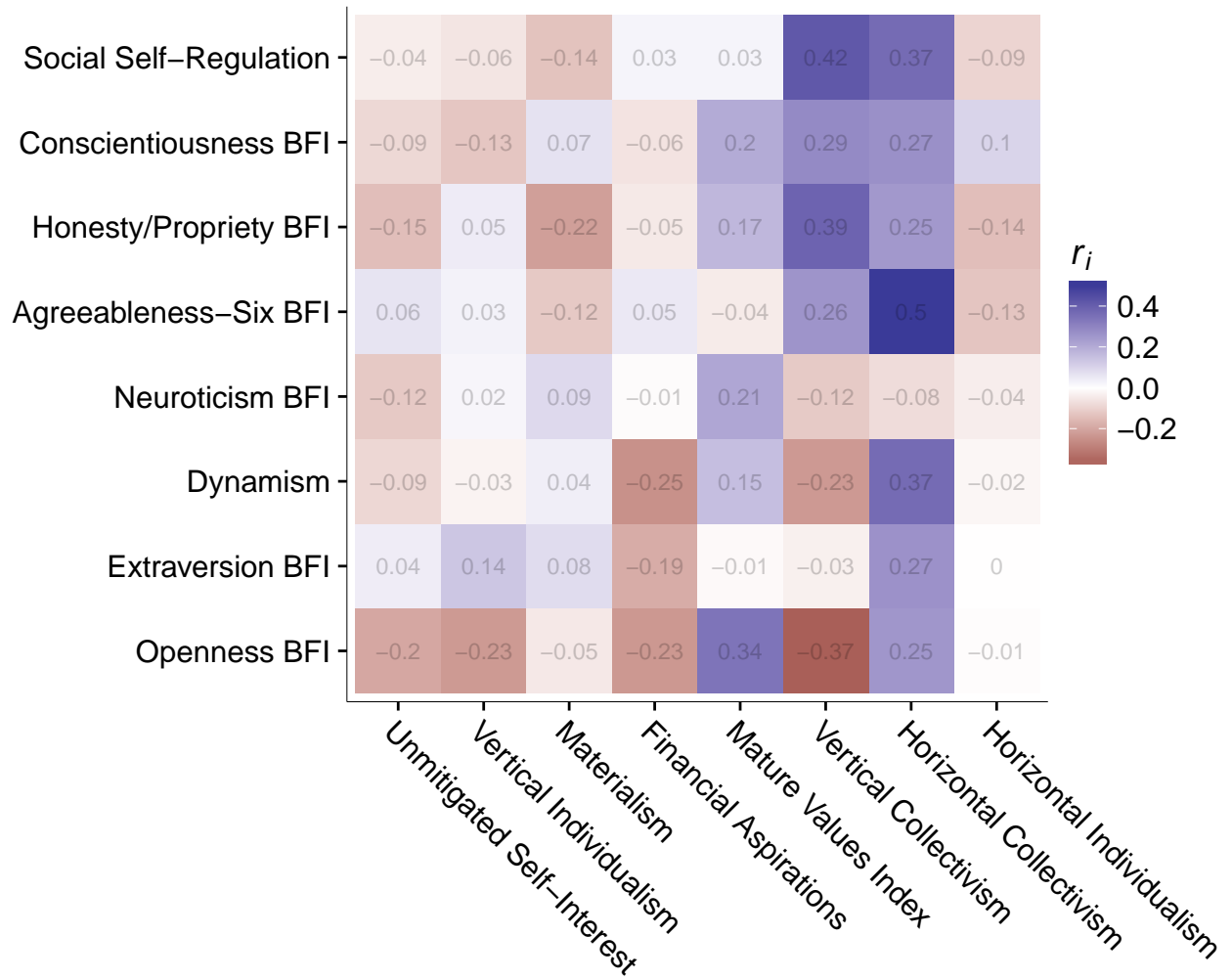
### Intercept to Intercept Correlations: National Sample



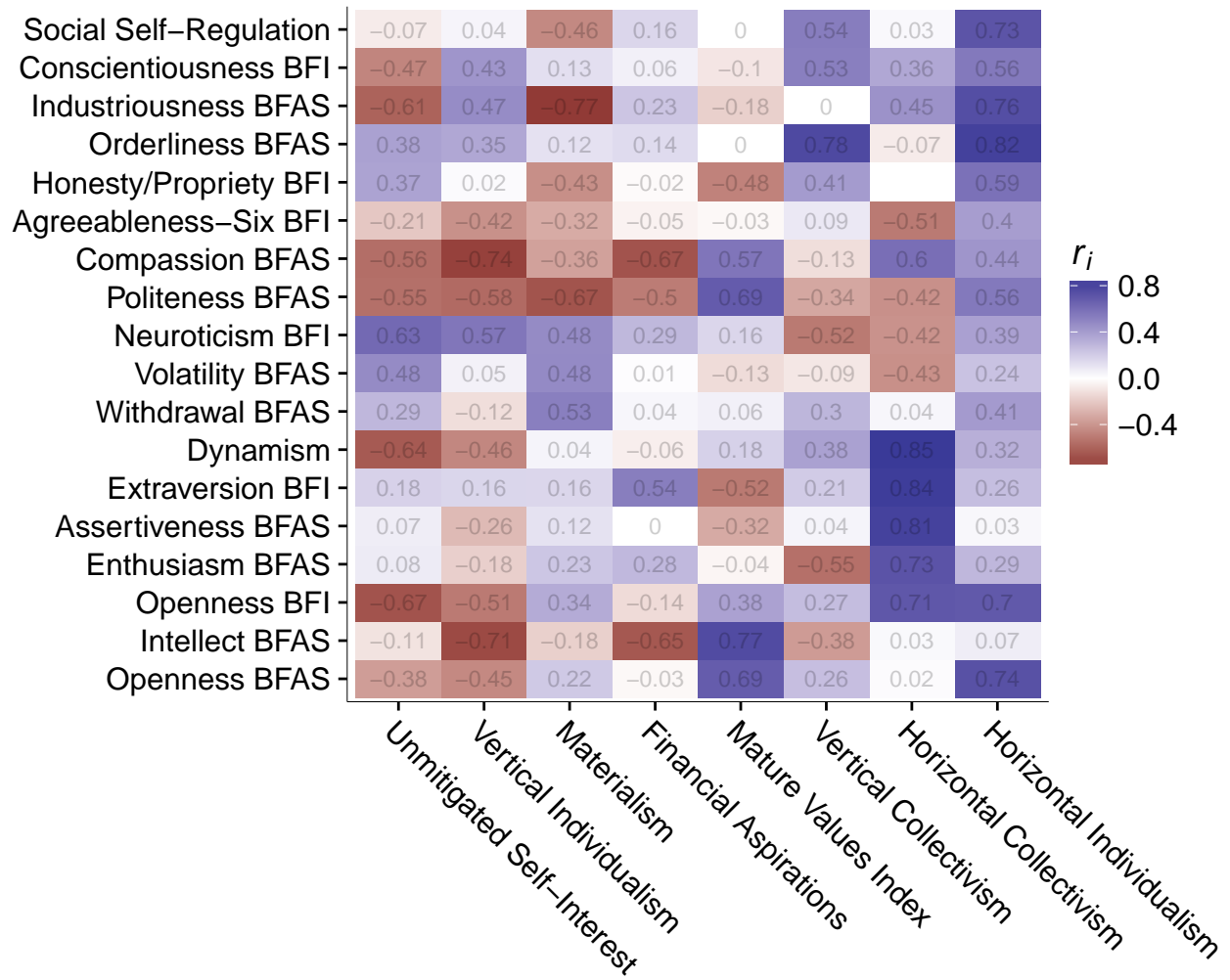
## Intercept to Intercept Correlations: College Sample



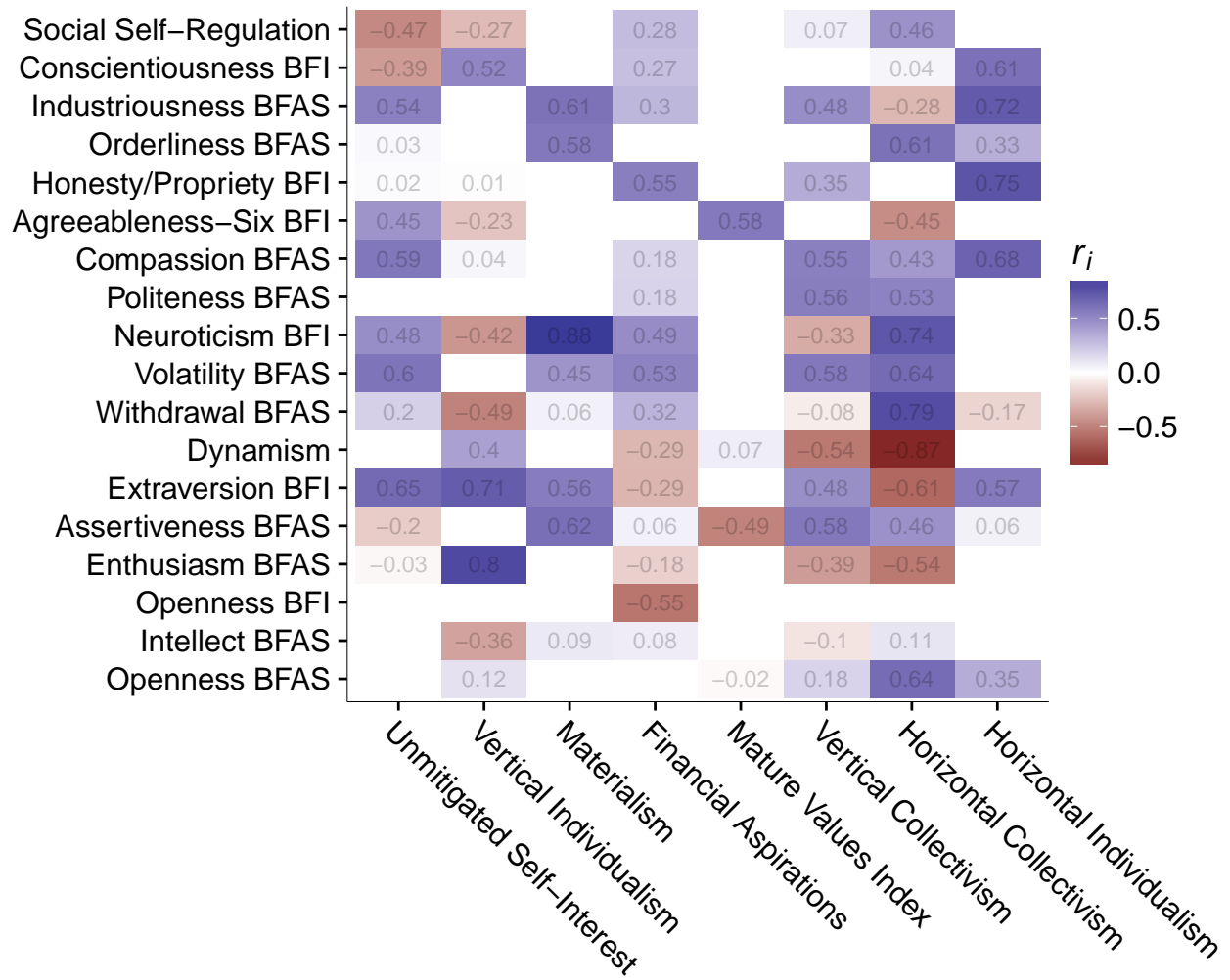
## Intercept to Intercept Correlations: Informant Sample



## Slope to Slope Correlations: National Sample



## Slope to Slope Correlations: College Sample



### Slope to Slope Correlations: Informant Sample

