Supplementary materials 1: Full results of tests of measurement invariance

Scale	Group	Test	RMSEA	CFI	TLI	SRMR	ΔRMSEA	ΔCFI	Invariance
Balanced Inventory of Desirable Responding	Median age	configural	0.034	0.951	0.948	0.072			Pass
		metric	0.041	0.926	0.924	0.076	0.007	-0.025	Fail
		scalar	0.043	0.914	0.914	0.078	0.002	-0.012	Pass
	Gender	configural	0.028	0.966	0.964	0.069			Pass
		metric	0.033	0.951	0.949	0.072	0.005	-0.015	Fail
		scalar	0.037	0.937	0.937	0.074	0.004	-0.014	Pass
Impression Management	Median age	configural	0.043	0.949	0.943	0.041			Pass
		metric	0.043	0.946	0.942	0.043	0.000	-0.003	Pass
		scalar	0.046	0.932	0.932	0.047	0.003	-0.014	Pass
	Gender	configural	0.041	0.953	0.947	0.040			Pass
		metric	0.041	0.951	0.948	0.041	0.000	-0.002	Pass
		scalar	0.046	0.935	0.934	0.046	0.005	-0.016	Fail
Self Deception	Median age	configural	0.063	0.820	0.796	0.060			Fail
		metric	0.061	0.820	0.808	0.060	-0.002	0.000	Pass
		scalar	0.063	0.798	0.797	0.063	0.002	-0.022	Fail
	Gender	configural	0.063	0.820	0.796	0.060			Fail
		metric	0.062	0.816	0.804	0.060	-0.001	-0.004	Pass
		scalar	0.063	0.797	0.796	0.063	0.001	-0.019	Fail
Bayesian Racism	Median age	configural	0.048	0.966	0.961	0.047			Pass
		metric	0.048	0.963	0.960	0.049	0.000	-0.003	Pass
		scalar	0.049	0.959	0.959	0.051	0.001	-0.004	Pass
	Gender	configural	0.046	0.966	0.961	0.045			Pass
		metric	0.052	0.955	0.951	0.051	0.006	-0.011	Pass
		scalar	0.054	0.947	0.947	0.054	0.002	-0.008	Pass
Belief in a Just World: General Just World Scale	Median age	configural	0.045	0.988	0.980	0.030			Pass
		metric	0.043	0.986	0.982	0.032	-0.002	-0.002	Pass
		scalar	0.057	0.971	0.969	0.044	0.014	-0.015	Fail
	Gender	configural	0.048	0.987	0.978	0.032			Pass
		metric	0.042	0.987	0.983	0.032	-0.006	0.000	Pass
		scalar	0.045	0.982	0.980	0.037	0.003	-0.005	Pass
Big 5 Inventory	Median age	configural	0.051	0.923	0.918	0.084			Pass
		metric	0.053	0.913	0.910	0.086	0.002	-0.010	Pass
		scalar	0.054	0.910	0.908	0.087	0.001	-0.003	Pass
	Gender	configural	0.052	0.924	0.919	0.083			Pass
		metric	0.054	0.916	0.913	0.085	0.002	-0.008	Pass
		scalar	0.054	0.913	0.912	0.086	0.000	-0.003	Pass
A,O	Median age	configural	0.053	0.933	0.924	0.053			Pass
		metric	0.052	0.931	0.926	0.053	-0.001	-0.002	Pass
		scalar	0.054	0.921	0.920	0.056	0.002	-0.010	Pass
	Gender	configural	0.051	0.937	0.929	0.051			Pass
		metric	0.051	0.934	0.930	0.052	0.000	-0.003	Pass
		scalar	0.054	0.924	0.922	0.055	0.003	-0.010	Pass
E,C,N	Median age	configural	0.073	0.909	0.900	0.071			Fail
		metric	0.073	0.907	0.901	0.072	0.000	-0.002	Pass
		scalar	0.073	0.904	0.902	0.073	0.000	-0.003	Pass
	Gender	configural	0.072	0.913	0.904	0.070			Fail

		metric	0.071	0.911	0.906	0.070	-0.001	-0.002	Pass
		scalar	0.071	0.909	0.908	0.071	0.000	-0.002	Pass
Humanitarianism-Egalitarianism	Median age	configural	0.041	0.980	0.975	0.048			Pass
		metric	0.043	0.976	0.973	0.051	0.002	-0.004	Pass
		scalar	0.048	0.966	0.966	0.056	0.005	-0.010	Pass
	Gender	configural	0.044	0.978	0.971	0.050			Pass
		metric	0.045	0.974	0.970	0.052	0.001	-0.004	Pass
		scalar	0.046	0.969	0.968	0.055	0.001	-0.005	Pass
Intuitions about Controllability and Awareness of Thoughts	Median age	configural	0.064	0.958	0.952	0.086			Pass
		metric	0.070	0.946	0.942	0.093	0.006	-0.012	Pass
		scalar	0.070	0.943	0.942	0.095	0.000	-0.003	Pass
	Gender	configural	0.064	0.957	0.950	0.087			Pass
		metric	0.063	0.956	0.953	0.088	-0.001	-0.001	Pass
		scalar	0.060	0.958	0.957	0.089	-0.003	0.002	Pass
Others	Median age	configural	0.086	0.903	0.871	0.074			Fail
		metric	0.082	0.898	0.882	0.076	-0.004	-0.005	Pass
		scalar	0.080	0.891	0.888	0.077	-0.002	-0.007	Pass
	Gender	configural	0.086	0.904	0.872	0.074			Fail
		metric	0.080	0.904	0.888	0.074	-0.006	0.000	Pass
		scalar	0.078	0.898	0.895	0.075	-0.002	-0.006	Pass
Self	Median age	configural	0.088	0.933	0.911	0.070			Fail
		metric	0.082	0.932	0.921	0.071	-0.006	-0.001	Pass
		scalar	0.083	0.923	0.921	0.075	0.001	-0.009	Pass
	Gender	configural	0.090	0.928	0.904	0.072			Fail
		metric	0.084	0.928	0.916	0.073	-0.006	0.000	Pass
		scalar	0.080	0.927	0.925	0.073	-0.004	-0.001	Pass
Need for Cognition	Median age	configural	0.044	0.978	0.975	0.045			Pass
		metric	0.046	0.975	0.973	0.048	0.002	-0.003	Pass
		scalar	0.047	0.971	0.971	0.050	0.001	-0.004	Pass
	Gender	configural	0.044	0.980	0.977	0.044			Pass
		metric	0.044	0.978	0.976	0.046	0.000	-0.002	Pass
		scalar	0.045	0.975	0.975	0.048	0.001	-0.003	Pass
Need for Cognitive Closure	Median age	configural	0.051	0.921	0.916	0.085			Pass
		metric	0.055	0.907	0.902	0.088	0.004	-0.014	Pass
		scalar	0.055	0.905	0.903	0.089	0.000	-0.002	Pass
	Gender	configural	0.053	0.918	0.912	0.085			Pass
		metric	0.055	0.910	0.906	0.087	0.002	-0.008	Pass
		scalar	0.054	0.909	0.907	0.087	-0.001	-0.001	Pass
O,A	Median age	configural	0.049	0.954	0.946	0.046			Pass
		metric	0.049	0.952	0.948	0.047	0.000	-0.002	Pass
		scalar	0.051	0.944	0.942	0.050	0.002	-0.008	Pass
	Gender	configural	0.050	0.953	0.944	0.046			Pass
		metric	0.049	0.952	0.947	0.046	-0.001	-0.001	Pass
		scalar	0.051	0.944	0.942	0.050	0.002	-0.008	Pass
P,D,CM	Median age	configural	0.066	0.883	0.869	0.064			Fail
		metric	0.065	0.881	0.873	0.065	-0.001	-0.002	Pass
		scalar	0.066	0.872	0.869	0.067	0.001	-0.009	Pass
	Gender	configural	0.068	0.878	0.864	0.066			Fail
		metric	0.067	0.877	0.868	0.067	-0.001	-0.001	Pass
		scalar	0.067	0.872	0.869	0.068	0.000	-0.005	Pass

Personal Need for Structure	Median age	configural	0.062	0.970	0.963	0.056			Pass
		metric	0.062	0.966	0.963	0.058	0.000	-0.004	Pass
		scalar	0.063	0.962	0.962	0.061	0.001	-0.004	Pass
	Gender	configural	0.062	0.969	0.963	0.055			Pass
		metric	0.060	0.968	0.964	0.057	-0.002	-0.001	Pass
		scalar	0.059	0.967	0.966	0.058	-0.001	-0.001	Pass
Protestant Ethic	Median age	configural	0.063	0.950	0.937	0.057			Pass
		metric	0.061	0.948	0.942	0.058	-0.002	-0.002	Pass
		scalar	0.061	0.942	0.941	0.061	0.000	-0.006	Pass
	Gender	configural	0.063	0.951	0.939	0.057			Pass
		metric	0.061	0.948	0.942	0.058	-0.002	-0.003	Pass
		scalar	0.060	0.945	0.944	0.060	-0.001	-0.003	Pass
Ring-Wing Authoritarianism	Median age	configural	0.074	0.961	0.956	0.074			Pass
		metric	0.074	0.958	0.955	0.077	0.000	-0.003	Pass
		scalar	0.076	0.954	0.954	0.079	0.002	-0.004	Pass
	Gender	configural	0.075	0.960	0.956	0.076			Pass
		metric	0.075	0.958	0.956	0.077	0.000	-0.002	Pass
		scalar	0.075	0.956	0.956	0.079	0.000	-0.002	Pass
Rosenberg Self-Esteem	Median age	configural	0.058	0.982	0.977	0.057			Pass
		metric	0.060	0.979	0.976	0.063	0.002	-0.003	Pass
		scalar	0.060	0.976	0.976	0.065	0.000	-0.003	Pass
	Gender	configural	0.058	0.983	0.978	0.057			Pass
		metric	0.056	0.982	0.979	0.059	-0.002	-0.001	Pass
		scalar	0.054	0.981	0.980	0.060	-0.002	-0.001	Pass
Self-Monitoring	Median age	configural	0.113	0.691	0.649	0.102			Fail
		metric	0.110	0.687	0.666	0.103	-0.003	-0.004	Pass
		scalar	0.108	0.682	0.679	0.104	-0.002	-0.005	Pass
	Gender	configural	0.112	0.690	0.649	0.102			Fail
		metric	0.110	0.687	0.666	0.102	-0.002	-0.003	Pass
		scalar	0.109	0.674	0.672	0.104	-0.001	-0.013	Pass
Social Dominance Orientation	Median age	configural	0.067	0.947	0.936	0.064			Fail
		metric	0.066	0.944	0.938	0.065	-0.001	-0.003	Pass
		scalar	0.068	0.935	0.934	0.069	0.002	-0.009	Pass
	Gender	configural	0.069	0.941	0.928	0.065			Fail
		metric	0.066	0.941	0.934	0.065	-0.003	0.000	Pass
		scalar	0.065	0.938	0.937	0.066	-0.001	-0.003	Pass
Spheres of Control	Median age	configural	0.041	0.951	0.944	0.075			Pass
		metric	0.050	0.922	0.916	0.082	0.009	-0.029	Fail
		scalar	0.049	0.922	0.921	0.083	-0.001	0.000	Pass
	Gender	configural	0.041	0.950	0.944	0.074			Pass
		metric	0.047	0.931	0.927	0.078	0.006	-0.019	Fail
		scalar	0.047	0.928	0.927	0.080	0.000	-0.003	Pass
Interpersonal Control	Median age	configural	0.059	0.963	0.950	0.049			Pass
		metric	0.055	0.962	0.956	0.049	-0.004	-0.001	Pass
		scalar	0.054	0.959	0.958	0.051	-0.001	-0.003	Pass
	Gender	configural	0.059	0.964	0.952	0.048			Pass
		metric	0.055	0.963	0.958	0.049	-0.004	-0.001	Pass
		scalar	0.055	0.959	0.958	0.051	0.000	-0.004	Pass
Personal Efficacy	Median age	configural	0.078	0.834	0.787	0.066			Fail
		metric	0.074	0.833	0.809	0.066	-0.004	-0.001	Pass

		SRMR	CFI	TLI	RMSEA	ΔCFI	ΔRMSEA	
	scalar	0.072	0.821	0.817	0.068	-0.002	-0.012	Pass
Gender	configural	0.076	0.843	0.798	0.064			Fail
	metric	0.072	0.841	0.819	0.065	-0.004	-0.002	Pass
	scalar	0.078	0.793	0.788	0.072	0.006	-0.048	Fail

Notes: Criteria for measurement invariance were meeting configural invariance (SRMR ≤ .09 and any one of CFI ≥ .95, TLI ≥ .95, or RMSEA ≤ .06; see Hu & Bentler, 1999), metric invariance and scalar invariance (for each, meeting both ΔCFI ≥ -.15 and ΔRMSEA ≤ .01; see Chen, 2007).

Supplementary materials 2: Changes made to scales from their original published version

Scale	Changes from original scale
Balanced Inventory of Desirable Responding	See split scales below.
Impression Management	Response format changed to 1-6 (strongly disagree-strongly agree; Evidence suggests this polytomous response format is preferable over original dichotomous: Stöber, Dette, & Musch, 2002); 2 items dropped (original items 30 & 34).
Self Deception	Response format changed to 1-6 (strongly disagree-strongly agree; Evidence suggests this polytomous response format is preferable over original dichotomous: Stöber et al., 2002); 2 items dropped (original items 13 & 18).
Bayesian Racism	None.
Belief in a Just World (General Just World)	Response format changed to 1-6 (strongly disagree-strongly agree); Little agreement in literature on canonical version of scale (items drawn from Dalbert, Lipkus, Sallay, & Goch, 2001).
Big 5 Inventory	See split scales below.
Agreeableness & Openness	Response format changed to 1-6 (strongly disagree-strongly agree).
Extroversion, conscientiousness & neuroticism	Response format changed to 1-6 (strongly disagree-strongly agree).
Humanitarianism-Egalitarianism	Response format changed to 1-6 (strongly disagree-strongly agree).
Intuitions about Controllability and Awareness of Thoughts	See split scales below.
Others	3 items modified compared to their original wording (according to Attitudes 2.0 study documentation), but the original scales were not published so no canonical version of the scale exists.
Self	3 items modified compared to their original wording (according to Attitudes 2.0 study documentation), but the original scales were not published so no canonical version of the scale exists.
Need for Cognition	Response format changed to 1-6 (strongly disagree-strongly agree).
Need for Cognitive Closure	See split scales below.
Order & ambiguity	3 items dropped (i.e. 'lie' scale dropped).
Predictability, decisiveness & close-mindedness	3 items dropped (i.e. 'lie' scale dropped).
Personal Need for Structure	None.
Protestant Ethic	Response format changed to 1-6 (strongly disagree-strongly agree).
Ring-Wing Authoritarianism	Response format changed to 1-6 (strongly disagree-strongly agree); 10 items dropped (original items 1, 2, 9, 10, 14, 18, 20, 25, 27, & 30).
Rosenberg Self-Esteem	Response format changed to 1-6 (strongly disagree-strongly agree); 10 items dropped
Self-Monitoring	Response format changed to 1-6 (strongly disagree-strongly agree).
Social Dominance Orientation	Response format changed to 1-6 (strongly disagree-strongly agree), Multiple versions of scale provided in original publication, Number 4 scale used here.
Spheres of Control	See split scales below.
Interpersonal Control	Response format changed to 1-6 (strongly disagree-strongly agree).
Personal Efficacy	Response format changed to 1-6 (strongly disagree-strongly agree).

References

Dalbert, C., Lipkus, I. M., Sallay, H., & Goch, I. (2001). A just and an unjust world: Structure and validity of different world beliefs. *Personality and Individual Differences*, *30*(4), 561–577.

Stöber, J., Dette, D. E., & Musch, J. (2002). Comparing continuous and dichotomous scoring of the balanced inventory of desirable responding. *Journal of Personality Assessment*, *78*(2), 370–389. https://doi.org/10.1207/S15327752JPA7802_10