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Age differences in the variance of personality characteristics

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Table 1. Standard deviations (SD) for personality scales for two age groups in two samples.

	Estonian self-ratings			Estonian informant-ratings			Czech self-ratings			Czech informant-ratings			Russian informant-ratings		
	SD		p	SD		p	SD		p	SD		p	SD		p
	Young	Older		Young	Older		Young	Older		Young	Older		Young	Older	
N	25.49	23.78	0.058	26.68	24.54	0.072	26.74	26.83	0.677	24.48	23.70	0.415	19.30	19.10	0.710
E	25.45	23.52	0.032	26.40	25.77	0.427	20.30	19.34	0.477	20.17	21.51	0.825	23.57	23.01	0.022
O	21.12	20.71	0.199	19.88	20.02	0.867	22.24	23.55	0.826	22.31	22.08	0.744	17.79	17.74	0.687
A	19.90	17.38	0.002	22.77	22.98	0.852	17.66	16.98	0.686	21.60	26.24	0.006	22.59	24.00	0.002
C	21.97	20.05	0.007	26.39	24.28	0.026	23.50	21.92	0.373	27.18	25.16	0.176	26.24	25.50	0.559
N1	5.99	6.00	0.993	6.04	5.83	0.547	5.91	6.47	0.253	5.84	5.62	0.518	4.88	4.90	0.659
N2	5.70	4.91	0.000	6.29	5.88	0.013	5.43	5.82	0.380	5.52	6.61	0.068	5.22	5.31	0.948
N3	6.21	5.40	0.000	5.64	5.07	0.012	6.27	5.96	0.555	5.89	5.16	0.094	4.63	4.45	0.109
N4	5.33	5.20	0.379	5.18	4.86	0.110	5.38	5.08	0.982	5.04	4.69	0.483	4.40	3.97	0.000
N5	4.87	4.44	0.074	5.25	5.23	0.806	5.19	5.12	0.614	5.29	5.14	0.771	4.63	4.44	0.061
N6	4.72	4.68	0.496	5.40	5.12	0.212	5.90	5.42	0.262	5.46	5.46	0.737	4.25	4.46	0.034
E1	4.66	4.45	0.087	4.99	5.22	0.521	4.38	4.47	0.851	4.56	5.57	0.202	4.93	5.37	0.001
E2	5.98	5.77	0.300	6.33	6.11	0.461	5.98	6.20	0.761	6.17	6.32	0.501	5.87	5.62	0.015
E3	6.26	5.97	0.120	6.41	6.24	0.537	5.48	5.24	0.435	5.35	5.14	0.855	5.48	5.40	0.568
E4	6.06	5.74	0.046	6.21	6.30	0.544	4.26	5.00	0.073	4.31	4.86	0.083	5.45	5.82	0.017
E5	5.24	5.04	0.391	5.55	5.35	0.341	5.30	4.41	0.076	5.33	5.54	0.448	4.79	5.20	0.001
E6	6.00	5.68	0.550	5.52	5.83	0.123	5.44	5.30	0.541	4.91	5.32	0.603	5.02	5.09	0.997
O1	5.68	5.45	0.582	5.40	4.80	0.001	6.12	5.67	0.350	5.76	5.50	0.377	4.66	4.47	0.035
O2	6.27	6.43	0.788	6.31	6.69	0.227	6.26	6.46	0.734	6.52	6.62	0.941	5.53	5.86	0.060
O3	4.87	4.35	0.007	4.46	4.37	0.958	5.00	5.44	0.216	4.98	5.13	0.544	4.37	4.03	0.000
O4	4.59	4.37	0.047	4.30	4.55	0.249	5.11	5.06	0.898	4.93	4.81	0.659	4.23	4.28	0.123
O5	6.19	5.94	0.121	6.23	5.92	0.188	5.88	6.49	0.201	6.19	6.02	0.796	5.56	5.75	0.045
O6	3.97	3.43	0.000	3.57	3.40	0.175	3.15	3.06	0.564	3.18	3.30	0.641	3.22	3.40	0.094
A1	5.10	4.66	0.009	5.42	5.17	0.132	5.10	4.96	0.377	5.18	5.90	0.090	5.02	5.15	0.047

A2	5.72	5.20	0.007	5.80	5.89	0.715	5.40	5.15	0.590	5.77	6.25	0.813	5.48	5.72	0.034
A3	4.04	3.71	0.121	4.78	4.80	0.891	4.00	4.23	0.777	4.57	4.92	0.667	5.17	5.53	0.001
A4	4.87	4.56	0.138	5.14	4.96	0.141	4.67	5.30	0.074	5.16	6.42	0.001	5.06	5.18	0.293
A5	5.58	4.85	0.000	5.95	6.03	0.450	5.15	4.64	0.308	5.40	6.10	0.150	5.76	5.70	0.104
A6	4.68	4.14	0.015	4.52	4.59	0.424	3.92	3.32	0.042	4.02	4.48	0.117	3.80	4.10	0.000
C1	4.30	3.98	0.027	4.71	4.61	0.359	4.65	4.34	0.981	4.69	4.17	0.087	4.66	4.59	0.844
C2	5.56	5.27	0.124	6.32	5.84	0.041	5.44	4.93	0.545	5.94	6.15	0.927	5.32	5.08	0.121
C3	3.96	3.58	0.008	4.82	4.39	0.038	5.25	3.99	0.005	5.69	4.59	0.024	5.37	5.23	0.280
C4	5.51	5.07	0.030	5.69	5.51	0.248	5.43	5.39	0.779	5.62	5.07	0.094	5.34	5.11	0.033
C5	5.43	4.66	0.000	5.76	5.34	0.015	5.64	5.56	0.533	5.72	6.19	0.493	5.62	5.52	0.496
C6	5.16	4.77	0.015	5.86	5.44	0.010	5.46	5.50	0.536	5.88	6.24	0.751	5.70	5.36	0.009

NOTE: Young = ages 20 to 30 years; older = ages 50 to 60 years; p = significance of group difference (Levene's test of equality of variances); N = Neuroticism; E = Extraversion; O = Openness; A = Agreeableness; C = Conscientiousness; N1 = Anxiety; N2 = Hostility; N3 = Depression; N4 = Self-Consciousness; N5 = Impulsiveness; N6 = Vulnerability to Stress; E1 = Warmth; E2 = Gregariousness; E3 = Assertiveness; E4 = Activity; E5 = Excitement Seeking; E6 = Positive Emotion; O1 = Openness to Fantasy; O2 = Openness to Aesthetics; O3 = Openness to Feelings; O4 = Openness to Actions; O5 = Openness to Ideas; O6 = Openness to Values; A1 = Trust; A2 = Straightforwardness; A3 = Altruism; A4 = Compliance; A5 = Modesty; A6 = Tendermindedness; C1 = Competence; C2 = Order; C3 = Dutifulness; C4 = Achievement Striving; C5 = Self-Discipline; C6 = Deliberation.