

Supplementary Table S1. Means and standard deviations for factor and facet scores

[illegible]

Aesthetic	3.67	0.99	3.56	1.01	3.58	1.01	3.34	1.09
Appreciation								
Inquisitiveness	3.98	0.79	3.67	0.83	3.88	0.89	3.06	1.06
Creativity	3.61	0.88	3.74	0.77	3.74	0.90	3.57	0.99
Unconventionality	3.82	0.69	3.79	0.65	3.82	0.71	3.48	0.73
<i>n</i>	615		9,491		100,318		2,868	

Supplementary Table S2. Detailed statistics for factor and facet level comparisons

Study	Factor/facet	<i>t</i>	<i>df</i>	Mean difference [95% <i>CI</i>]	<i>p</i>	<i>d</i>
Thielmann et al. (2020)	Honesty-Humility	-6.75	695.55	-0.18 [-0.23; -0.13]	< .000001	0.28
Thielmann et al. (2020)	Emotionality	12.86	672.25	0.36 [0.31; 0.42]	< .000001	-0.62
Thielmann et al. (2020)	Extraversion	13.48	671.23	0.39 [0.34; 0.45]	< .000001	-0.65
Thielmann et al. (2020)	Agreeableness	-0.06	668.72	0.00 [-0.05; 0.05]	.950181	0.00
Thielmann et al. (2020)	Conscientiousness	-7.89	686.76	-0.19 [-0.23; -0.14]	< .000001	0.35
Thielmann et al. (2020)	Openness	-2.42	700.04	-0.06 [-0.10; -0.01]	.015744	0.10
Honesty-Humility						
Thielmann et al. (2020)	Sincerity	-8.69	694.68	-0.30 [-0.37; -0.24]	< .000001	0.36
Thielmann et al. (2020)	Fairness	-4.09	689.52	-0.18 [-0.26; -0.09]	.000049	0.18
Thielmann et al. (2020)	Greed Avoidance	-5.88	696.55	-0.23 [-0.30; -0.15]	< .000001	0.24
Thielmann et al. (2020)	Modesty	1.58	679.33	0.06 [-0.01; 0.13]	.114440	-0.07
Emotionality						
Thielmann et al. (2020)	Fearfulness	6.44	680.11	0.23 [0.16; 0.30]	< .000001	-0.29
Thielmann et al. (2020)	Anxiety	2.53	673.43	0.12 [0.03; 0.21]	.011772	-0.12
Thielmann et al. (2020)	Dependence	12.94	682.91	0.53 [0.45; 0.61]	< .000001	-0.58
Thielmann et al. (2020)	Sentimentality	14.62	666.84	0.54 [0.47; 0.61]	< .000001	-0.73

Extraversion						
Thielmann et al. (2020)	Social Self-Esteem	6.02	673.03	0.24 [0.16; 0.32]	< .000001	-0.29
Thielmann et al. (2020)	Social Boldness	10.03	671.00	0.38 [0.31; 0.46]	< .000001	-0.49
Thielmann et al. (2020)	Sociability	21.84	674.79	0.82 [0.75; 0.89]	< .000001	-1.03
Thielmann et al. (2020)	Liveliness	6.13	670.36	0.24 [0.16; 0.32]	< .000001	-0.30
Agreeableness						
Thielmann et al. (2020)	Forgivingness	-8.12	661.90	-0.35 [-0.43; -0.26]	< .000001	0.42
Thielmann et al. (2020)	Gentleness	2.24	673.53	0.08 [0.01; 0.14]	.025667	-0.11
Thielmann et al. (2020)	Flexibility	3.85	679.07	0.12 [0.06; 0.18]	.000131	-0.18
Thielmann et al. (2020)	Patience	1.13	666.95	0.05 [-0.03; 0.13]	.257179	-0.06
Conscientiousness						
Thielmann et al. (2020)	Organization	-1.03	677.43	-0.04 [-0.12; 0.04]	.304205	0.05
Thielmann et al. (2020)	Diligence	-0.47	675.67	-0.02 [-0.09; 0.05]	.640808	0.02
Thielmann et al. (2020)	Perfectionism	-9.09	683.16	-0.30 [-0.37; -0.24]	< .000001	0.41
Thielmann et al. (2020)	Prudence	-9.78	688.10	-0.29 [-0.35; -0.23]	< .000001	0.42
Openness						
Thielmann et al. (2020)	Aesthetic Appreciation	-2.63	699.96	-0.11 [-0.19; -0.03]	.008711	0.11

Thielmann et al. (2020)	Inquisitiveness	-9.41	705.31	-0.31 [-0.37; -0.25]	< .000001	0.37
Thielmann et al. (2020)	Creativity	3.61	676.91	0.13 [0.06; 0.20]	.000335	-0.17
Thielmann et al. (2020)	Unconventionality	-1.17	686.12	-0.03 [-0.09; 0.02]	.241510	0.05
Lee & Ashton (2018) online	Honesty-Humility	-16.60	625.64	-0.42 [-0.47; -0.37]	< .000001	0.54
Lee & Ashton (2018) online	Emotionality	6.59	621.63	0.18 [0.13; 0.24]	< .000001	-0.27
Lee & Ashton (2018) online	Extraversion	5.94	621.17	0.17 [0.11; 0.23]	< .000001	-0.25
Lee & Ashton (2018) online	Agreeableness	-3.67	622.12	-0.09 [-0.15; -0.04]	.000266	0.14
Lee & Ashton (2018) online	Conscientiousness	-5.85	622.34	-0.13 [-0.18; -0.09]	< .000001	0.23
Lee & Ashton (2018) online	Openness	0.05	623.70	0.00 [-0.04; 0.04]	.962014	0.00
Honesty-Humility						
Lee & Ashton (2018) online	Sincerity	-15.68	623.78	-0.53 [-0.60; -0.47]	< .000001	0.56
Lee & Ashton (2018) online	Fairness	-8.36	623.11	-0.35 [-0.43; -0.27]	< .000001	0.31
Lee & Ashton (2018) online	Greed Avoidance	-11.57	623.42	-0.44 [-0.51; -0.36]	< .000001	0.42
Lee & Ashton (2018) online	Modesty	-9.89	623.05	-0.36 [-0.43; -0.29]	< .000001	0.37
Emotionality						
Lee & Ashton (2018) online	Fearfulness	8.14	622.15	0.28 [0.21; 0.35]	< .000001	-0.32
Lee & Ashton (2018) online	Anxiety	3.69	620.63	0.17 [0.08; 0.25]	.000239	-0.16

Lee & Ashton (2018) online	Dependence	3.38	621.56	0.14 [0.06; 0.21]	.000776	-0.14
Lee & Ashton (2018) online	Sentimentality	3.31	621.45	0.12 [0.05; 0.19]	.000998	-0.13
Extraversion						
Lee & Ashton (2018) online	Social Self-Esteem	-1.00	620.71	-0.04 [-0.12; 0.04]	.318145	0.04
Lee & Ashton (2018) online	Social Boldness	5.94	621.09	0.22 [0.15; 0.30]	< .000001	-0.25
Lee & Ashton (2018) online	Sociability	12.76	622.34	0.47 [0.40; 0.54]	< .000001	-0.49
Lee & Ashton (2018) online	Liveliness	3.41	621.10	0.13 [0.06; 0.21]	.000683	-0.14
Agreeableness						
Lee & Ashton (2018) online	Forgivingness	-3.30	621.30	-0.14 [-0.22; -0.06]	.001036	0.14
Lee & Ashton (2018) online	Gentleness	-1.11	622.00	-0.04 [-0.10; 0.03]	.266152	0.04
Lee & Ashton (2018) online	Flexibility	-1.48	622.23	-0.05 [-0.10; 0.01]	.138258	0.06
Lee & Ashton (2018) online	Patience	-5.32	621.95	-0.21 [-0.29; -0.13]	< .000001	0.21
Conscientiousness						
Lee & Ashton (2018) online	Organization	-2.64	621.14	-0.11 [-0.19; -0.03]	.008447	0.11
Lee & Ashton (2018) online	Diligence	1.10	621.09	0.04 [-0.03; 0.11]	.270885	-0.05
Lee & Ashton (2018) online	Perfectionism	-6.59	621.16	-0.22 [-0.28; -0.15]	< .000001	0.27
Lee & Ashton (2018) online	Prudence	-6.88	623.29	-0.20 [-0.25; -0.14]	< .000001	0.25

		Openness				
Lee & Ashton (2018) online	Aesthetic Appreciation	-2.13	621.79	-0.09 [-0.16; -0.01]	.033906	0.08
Lee & Ashton (2018) online	Inquisitiveness	-3.10	623.64	-0.10 [-0.16; -0.04]	.002006	0.11
Lee & Ashton (2018) online	Creativity	3.64	621.97	0.13 [0.06; 0.20]	.000296	-0.14
Lee & Ashton (2018) online	Unconventionality	0.01	622.06	0.00 [-0.05; 0.06]	.994141	0.00
Lee & Ashton (2018) student	Honesty-Humility	-16.76	910.14	-0.47 [-0.53; -0.42]	< .000001	0.73
Lee & Ashton (2018) student	Emotionality	16.52	903.02	0.50 [0.44; 0.56]	< .000001	-0.73
Lee & Ashton (2018) student	Extraversion	12.73	835.52	0.39 [0.33; 0.45]	< .000001	-0.61
Lee & Ashton (2018) student	Agreeableness	3.68	891.50	0.10 [0.05; 0.16]	.000245	-0.16
Lee & Ashton (2018) student	Conscientiousness	-9.81	953.91	-0.25 [-0.30; -0.20]	< .000001	0.41
Lee & Ashton (2018) student	Openness	-14.24	1072.86	-0.37 [-0.42; -0.31]	< .000001	0.55
Honesty-Humility						
Lee & Ashton (2018) student	Sincerity	-15.50	880.38	-0.58 [-0.65; -0.50]	< .000001	0.70
Lee & Ashton (2018) student	Fairness	-10.53	882.96	-0.48 [-0.58; -0.39]	< .000001	0.48
Lee & Ashton (2018) student	Greed Avoidance	-13.76	933.07	-0.57 [-0.66; -0.49]	< .000001	0.59
Lee & Ashton (2018) student	Modesty	-4.87	888.60	-0.19 [-0.27; -0.12]	.000001	0.22
Emotionality						

Lee & Ashton (2018) student	Fearfulness	16.45	927.78	0.63 [0.55; 0.70]	< .000001	-0.71
Lee & Ashton (2018) student	Anxiety	6.72	841.87	0.33 [0.23; 0.42]	< .000001	-0.32
Lee & Ashton (2018) student	Dependence	13.41	914.66	0.59 [0.51; 0.68]	< .000001	-0.58
Lee & Ashton (2018) student	Sentimentality	10.67	876.68	0.42 [0.35; 0.50]	< .000001	-0.48
Extraversion						
Lee & Ashton (2018) student	Social Self-Esteem	5.86	805.91	0.25 [0.16; 0.33]	< .000001	-0.29
Lee & Ashton (2018) student	Social Boldness	4.94	885.19	0.20 [0.12; 0.28]	.000001	-0.22
Lee & Ashton (2018) student	Sociability	23.94	884.76	0.96 [0.89; 1.04]	< .000001	-1.08
Lee & Ashton (2018) student	Liveliness	8.68	816.33	0.36 [0.28; 0.44]	< .000001	-0.43
Agreeableness						
Lee & Ashton (2018) student	Forgivingness	5.38	872.13	0.25 [0.16; 0.34]	< .000001	-0.25
Lee & Ashton (2018) student	Gentleness	6.64	865.79	0.24 [0.17; 0.31]	< .000001	-0.31
Lee & Ashton (2018) student	Flexibility	0.18	928.36	0.01 [-0.06; 0.07]	.853324	-0.01
Lee & Ashton (2018) student	Patience	-2.11	915.99	-0.09 [-0.18; -0.01]	.035394	0.09
Conscientiousness						
Lee & Ashton (2018) student	Organization	-5.57	906.32	-0.25 [-0.34; -0.16]	< .000001	0.24
Lee & Ashton (2018) student	Diligence	-1.52	856.80	-0.06 [-0.13; 0.02]	.128310	0.07
Lee & Ashton (2018) student	Perfectionism	-6.46	895.29	-0.23 [-0.30; -0.16]	< .000001	0.29

Lee & Ashton (2018) student	Prudence	-12.91	973.69	-0.42 [-0.48; -0.35]	< .000001	0.53
Openness						
Lee & Ashton (2018) student	Aesthetic Appreciation	-7.39	963.07	-0.33 [-0.42; -0.24]	< .000001	0.31
Lee & Ashton (2018) student	Inquisitiveness	-24.59	1138.31	-0.92 [-0.99; -0.85]	< .000001	0.91
Lee & Ashton (2018) student	Creativity	-1.00	977.90	-0.04 [-0.12; 0.04]	.319524	0.04
Lee & Ashton (2018) student	Unconventionality	-10.94	936.47	-0.34 [-0.40; -0.28]	< .000001	0.47

Each row represents three comparisons between the current sample of intellectually gifted MENSA members with the respective reference samples. ¹⁾
Degrees of freedom calculated using the Welch–Satterthwaite equation for pooled degrees of freedom.

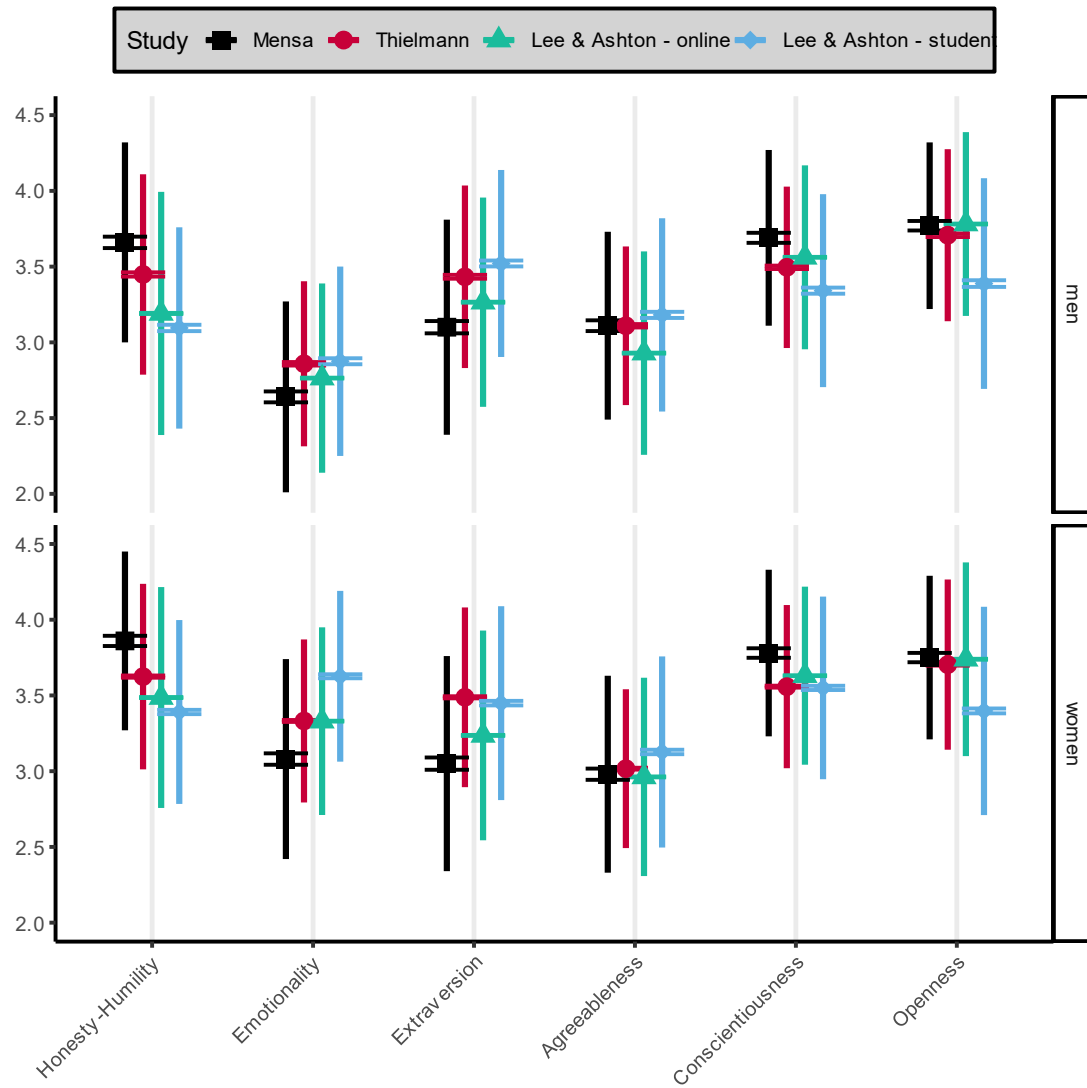
Supplementary Table S3. Comparisons between Thielmann et al. (2020) and the German speaking portion of the current MENSA sample

Study	Factor/facet	<i>t</i>	<i>df</i>	Mean difference [95% <i>CI</i>]	<i>p</i>	<i>d</i>
Thielmann et al. (2020)	Honesty-Humility	-3.19	203.92	-0.15 [-0.24; -0.06]	.001657	0.23
Thielmann et al. (2020)	Emotionality	7.82	202.24	0.37 [0.28; 0.46]	< .000001	-0.64
Thielmann et al. (2020)	Extraversion	8.06	201.94	0.40 [0.31; 0.50]	< .000001	-0.68
Thielmann et al. (2020)	Agreeableness	-0.98	202.50	-0.04 [-0.13; 0.04]	.326919	0.08
Thielmann et al. (2020)	Conscientiousness	-2.11	203.31	-0.09 [-0.17; -0.01]	.035774	0.16
Thielmann et al. (2020)	Openness	-1.45	205.29	-0.06 [-0.13; 0.02]	.147938	0.10
Honesty-Humility						
Thielmann et al. (2020)	Sincerity	-3.65	203.20	-0.23 [-0.36; -0.11]	.000330	0.28
Thielmann et al. (2020)	Fairness	-1.13	203.30	-0.09 [-0.24; 0.06]	.258050	0.09
Thielmann et al. (2020)	Greed Avoidance	-4.12	203.60	-0.29 [-0.43; -0.15]	.000054	0.31
Thielmann et al. (2020)	Modesty	0.46	202.88	0.03 [-0.10; 0.15]	.648936	-0.04
Emotionality						
Thielmann et al. (2020)	Fearfulness	5.92	203.71	0.34 [0.22; 0.45]	< .000001	-0.44
Thielmann et al. (2020)	Anxiety	1.18	201.78	0.10 [-0.06; 0.26]	.239362	-0.10
Thielmann et al. (2020)	Dependence	8.50	203.53	0.58 [0.45; 0.72]	< .000001	-0.64

Thielmann et al. (2020)	Sentimentality	7.15	201.10	0.47 [0.34; 0.60]	< .000001	-0.65
Extraversion						
Thielmann et al. (2020)	Social Self-Esteem	2.50	201.49	0.18 [0.04; 0.32]	.013221	-0.22
Thielmann et al. (2020)	Social Boldness	6.08	202.43	0.38 [0.26; 0.51]	< .000001	-0.49
Thielmann et al. (2020)	Sociability	12.43	201.99	0.82 [0.69; 0.95]	< .000001	-1.04
Thielmann et al. (2020)	Liveliness	5.41	202.34	0.35 [0.22; 0.48]	< .000001	-0.44
Agreeableness						
Thielmann et al. (2020)	Forgivingness	-3.13	202.20	-0.21 [-0.34; -0.08]	.001993	0.26
Thielmann et al. (2020)	Gentleness	-0.26	202.81	-0.01 [-0.12; 0.09]	.795955	0.02
Thielmann et al. (2020)	Flexibility	1.97	203.53	0.10 [0.00; 0.20]	.049947	-0.15
Thielmann et al. (2020)	Patience	-2.15	202.06	-0.14 [-0.28; -0.01]	.032465	0.18
Conscientiousness						
Thielmann et al. (2020)	Organization	0.63	201.79	0.05 [-0.10; 0.20]	.529150	-0.05
Thielmann et al. (2020)	Diligence	2.21	202.36	0.13 [0.01; 0.25]	.027890	-0.18
Thielmann et al. (2020)	Perfectionism	-5.34	202.79	-0.31 [-0.43; -0.20]	< .000001	0.42
Thielmann et al. (2020)	Prudence	-1.92	203.44	-0.10 [-0.20; 0.00]	.056367	0.14
Openness						

Thielmann et al. (2020)	Aesthetic Appreciation	-0.53	204.44	-0.04 [-0.18; 0.10]	.593235	0.04
Thielmann et al. (2020)	Inquisitiveness	-6.35	204.69	-0.37 [-0.49; -0.26]	< .000001	0.44
Thielmann et al. (2020)	Creativity	1.91	203.49	0.11 [0.00; 0.23]	.057933	-0.14
Thielmann et al. (2020)	Unconventionality	-0.28	203.69	-0.01 [-0.11; 0.08]	.779119	0.02

Each row represents three comparisons between the current sample of intellectually gifted MENSA members with the respective reference samples. ¹⁾
Degrees of freedom calculated using the Welch–Satterthwaite equation for pooled degrees of freedom.



Supplementary Figure S1. Means, standard errors, and standard deviations for HEXACO factors, broken down by participant sex. Means are indicated by symbols, standard errors are indicated by whiskers around the symbols, and standard deviations are indicated by colored bars.