8 Supplementary Information

Table S1. Demographic distributions in the control and AI groups

Variables	**n (Control)**	**% (Control)**	**n (AI)**	**% (AI)**
Male	498	48.6%	445	43.3%
Female	527	51.4%	582	56.6%
Age between 18-29	193	18.8%	183	17.8%
Age between 30-39	206	20.1%	207	20.1%
Age between 40-49	234	22.8%	246	23.9%
Age between 50-59	202	19.7%	211	20.5%
Age between 60-69	191	18.6%	182	17.7%
Budapest	210	20.4%	169	16.5%
County seat	219	21.3%	221	21.5%
Other city	331	32.3%	336	32.7%
Small town, village	266	25.9%	302	29.4%
Max. primary education	120	11.7%	134	13.1%
Vocational school	287	27.9%	275	26.8%
Secondary school	348	34.0%	360	35.0%
College	270	26.4%	258	25.1%

Table S2. Results of the measurement model (CFA) for the Big-Five Openness Scores

	Model	
	Estimate(Std.Err.)	p
	Factor Loadings	
openness		
is original, comes up with new ideas	1.00[+]	
values artistic, aesthetic experiences	0.85(0.08)	0.000
has an active imagination	1.07(0.12)	0.000
	Intercepts	
is original, comes up with new ideas	2.77(0.02)	0.000
values artistic, aesthetic experiences	2.77(0.02)	0.000
has an active imagination	3.12(0.02)	0.000
	Residual Variances	
is original, comes up with new ideas	0.41(0.04)	0.000
values artistic, aesthetic experiences	0.71(0.03)	0.000
has an active imagination	0.34(0.04)	0.000
	Latent Intercepts	
openness.cfa	0.00[+]	
	Latent Variances	
openness.cfa	0.27(0.03)	0.000
	Fit Indices	
χ^2(df)	0.00(0)	
CFI	1.00	
TLI	1.00	
RMSEA	0.00	

[+]Fixed parameter

Table S3. Results of the measurement model (CFA) for the Big-Five Neurocity Scores

	Model	
	Estimate(Std.Err.)	p
	Factor Loadings	
neurocity		
worries a lot	1.00^{+}	
gets nervous easily	1.41(0.15)	0.000
remains calm in tense situations	−0.80(0.06)	0.000
	Intercepts	
worries a lot	2.78(0.02)	0.000
gets nervous easily	2.51(0.02)	0.000
remains calm in tense situations	2.54(0.02)	0.000
	Residual Variances	
worries a lot	0.70(0.04)	0.000
gets nervous easily	0.39(0.07)	0.000
remains calm in tense situations	0.63(0.03)	0.000
	Latent Intercepts	
neurocity	0.00^{+}	
	Latent Variances	
neurocity	0.30(0.04)	0.000
	Fit Indices	
χ^2(df)	0.00(0)	
CFI	1.00	
TLI	1.00	
RMSEA	0.00	

$^{+}$Fixed parameter

Table S4. Results of the measurement model (CFA) for the institutional trust scores

	Model	
	Estimate(Std.Err.)	p
	Factor Loadings	
trust		
Parliament	1.00^{+}	
Legal system	1.17(0.04)	0.000
Police	1.06(0.04)	0.000
Political parties	0.75(0.03)	0.000
	Intercepts	
Parliament	2.48(0.06)	0.000
Legal system	3.53(0.06)	0.000
Police	4.25(0.06)	0.000
Political parties	1.95(0.05)	0.000
	Residual Variances	
Parliament	2.60(0.35)	0.000
Legal system	1.00(0.38)	0.008
Police	2.83(0.33)	0.000
Political parties	2.71(0.25)	0.000
	Latent Intercepts	
trust	0.00^{+}	
	Latent Variances	
trust	5.38(0.26)	0.000
	Fit Indices	
χ^2(df)	48.52(2)	0.000
CFI	0.99	
TLI	0.97	
RMSEA	0.11	

$^{+}$Fixed parameter

Table S5. Results of the multilevel model predicting trust in ADM with random effects for the respondents and the domain

	b (SE)
Intercept	5.093*** (0.274)
Treatment (ref.: control group)	−0.518*** (0.056)
Observations	8,400
Log Likelihood	-15,736.410
Akaike Inf. Crit.	31,482.820
Bayesian Inf. Crit.	31,518.000

Note: ***$p < 0.001$, **$p < 0.01$, *$p < 0.05$

Table S6. Results of the OLS models predicting trust in human-based decisions and ADM in the medical domain

Independent variables	**Control group**		**AI group**	
	Estimates	**CI**	**Estimates**	**CI**
Gender (ref.: Male)	0.02	-0.17 – 0.20	-0.13	-0.34 – 0.09
Age between 30-39 (ref.: 18-29)	0.36*	0.07 – 0.66	0.46**	0.13 – 0.79
Age between 40-49	0.51***	0.23 – 0.80	0.59***	0.27 – 0.91
Age between 50-59	0.92***	0.62 – 1.23	0.78***	0.45 – 1.12
Age between 60-69	0.94***	0.64 – 1.24	0.88***	0.52 – 1.23
County seat (ref.: Budapest)	0.09	-0.20 – 0.37	-0.17	-0.49 – 0.16
Other city	0.25	-0.01 – 0.51	-0.16	-0.47 – 0.16
Small town, village	-0.07	-0.35 – 0.20	-0.22	-0.54 – 0.10
Vocational school (ref.: max. primary education)	0.04	-0.28 – 0.37	-0.10	-0.46 – 0.27
Secondary school	0.34*	0.02 – 0.66	0.08	-0.27 – 0.44
College	0.38*	0.04 – 0.71	0.43*	0.06 – 0.81
Income status	-0.10	-0.20 – 0.01	-0.06	-0.18 – 0.05
Understanding of AI	0.21*	0.02 – 0.40	0.48***	0.27 – 0.70
Institutional trust	0.25***	0.20 – 0.29	0.22***	0.16 – 0.27
Privacy concerns	-0.20	-0.41 – 0.02	-0.48***	-0.72 – -0.24
Ideological extremism	-0.10**	-0.17 – -0.04	-0.01	-0.08 – 0.06
Religiosity	-0.01	-0.06 – 0.04	-0.03	-0.08 – 0.02
Big-Five Openness	0.08	-0.14 – 0.29	0.32*	0.06 – 0.59
Big-Five Neurocity	0.08	-0.12 – 0.28	-0.04	-0.26 – 0.19

Note: ***$p < 0.001$, **$p < 0.01$, *$p < 0.05$

Table S7. Results of the OLS models predicting trust in human-based decisions and ADM in the recruitment domain

Independent variables	**Control group**		**AI group**	
	Estimates	**CI**	**Estimates**	**CI**
Gender (ref.: Male)	0.05	-0.16 – 0.27	-0.02	-0.24 – 0.20
Age between 30-39 (ref.: 18-29)	0.13	-0.21 – 0.47	0.20	-0.14 – 0.55
Age between 40-49	0.20	-0.13 – 0.53	-0.00	-0.33 – 0.33
Age between 50-59	0.16	-0.19 – 0.50	0.21	-0.14 – 0.55
Age between 60-69	0.35*	0.00 – 0.69	0.21	-0.15 – 0.58
County seat (ref.: Budapest)	-0.19	-0.52 – 0.13	-0.32	-0.66 – 0.02
Other city	-0.24	-0.54 – 0.06	-0.04	-0.36 – 0.28
Small town, village	-0.27	-0.58 – 0.05	-0.10	-0.43 – 0.23
Vocational school (ref.: max. primary education)	0.22	-0.15 – 0.60	0.17	-0.20 – 0.55
Secondary school	0.31	-0.06 – 0.68	0.06	-0.31 – 0.42
College	0.38	-0.01 – 0.76	0.31	-0.08 – 0.70
Income status	-0.14*	-0.26 – -0.02	-0.10	-0.22 – 0.02
Understanding of AI	0.20	-0.02 – 0.42	0.36**	0.14 – 0.58
Institutional trust	0.16***	0.11 – 0.22	0.23***	0.17 – 0.28
Privacy concerns	-0.14	-0.39 – 0.11	-0.36**	-0.60 – -0.11
Ideological extremism	-0.04	-0.12 – 0.03	-0.08*	-0.16 – -0.01
Religiosity	0.03	-0.02 – 0.08	0.00	-0.05 – 0.06
Big-5 Openness	0.30*	0.05 – 0.55	0.65***	0.38 – 0.93
Big-5 Neurocity	0.06	-0.17 – 0.29	0.18	-0.06 – 0.41

Note: ***p < 0.001, **p < 0.01, *p < 0.05

Table S8. Results of the OLS models predicting trust in human-based decisions and ADM in the car purchase domain

Independent variables	**Control group**		**AI group**	
	Estimates	**CI**	**Estimates**	**CI**
Gender (ref.: Male)	-0.23*	-0.46 – -0.00	0.01	-0.23 – 0.25
Age between 30-39 (ref.: 18-29)	0.22	-0.15 – 0.59	0.39*	0.02 – 0.76
Age between 40-49	0.05	-0.31 – 0.40	0.44*	0.08 – 0.80
Age between 50-59	0.21	-0.17 – 0.58	0.41*	0.04 – 0.79
Age between 60-69	0.24	-0.13 – 0.61	0.45*	0.06 – 0.85
County seat (ref.: Budapest)	0.08	-0.28 – 0.43	-0.26	-0.62 – 0.11
Other city	0.20	-0.12 – 0.52	0.04	-0.31 – 0.38
Small town, village	-0.25	-0.60 – 0.09	-0.17	-0.53 – 0.19
Vocational school (ref.: max. primary education)	0.61**	0.21 – 1.02	0.25	-0.16 – 0.66
Secondary school	0.96***	0.56 – 1.35	0.42*	0.02 – 0.82
College	0.90***	0.49 – 1.32	0.64**	0.22 – 1.06
Income status	-0.07	-0.20 – 0.06	-0.07	-0.20 – 0.06
Understanding of AI	0.34**	0.10 – 0.58	0.29*	0.05 – 0.52
Institutional trust	0.23***	0.17 – 0.29	0.22***	0.16 – 0.28
Privacy concerns	0.13	-0.15 – 0.40	0.26	-0.03 – 0.56
Ideological extremism	0.21	-0.04 – 0.46	-0.01	-0.26 – 0.24
Religiosity	-0.15	-0.42 – 0.11	-0.46***	-0.72 – -0.19
Big-5 Openness	-0.10*	-0.18 – -0.02	-0.08	-0.16 – 0.00
Big-5 Neurocity	0.01	-0.05 – 0.06	0.04	-0.02 – 0.10

Note: ***p $<$ 0.001, **p $<$ 0.01, *p $<$ 0.05

Table S9. Results of the OLS models predicting trust in human-based decisions and ADM in financial investment domain

Independent variables	**Control group**		**AI group**	
	Estimates	**CI**	**Estimates**	**CI**
Gender (ref.: Male)	-0.28**	-0.49 – -0.08	-0.36**	-0.58 – -0.13
Age between 30-39 (ref.: 18-29)	-0.06	-0.39 – 0.26	0.38*	0.04 – 0.72
Age between 40-49	-0.03	-0.34 – 0.29	0.24	-0.09 – 0.57
Age between 50-59	-0.26	-0.59 – 0.07	0.03	-0.32 – 0.38
Age between 60-69	-0.42*	-0.75 – -0.09	0.21	-0.16 – 0.57
County seat (ref.: Budapest)	-0.14	-0.45 – 0.18	-0.16	-0.50 – 0.18
Other city	0.11	-0.18 – 0.40	-0.04	-0.37 – 0.28
Small town, village	-0.20	-0.50 – 0.10	-0.37*	-0.70 – -0.04
Vocational school (ref.: max. primary education)	-0.25	-0.61 – 0.11	-0.22	-0.60 – 0.15
Secondary school	0.06	-0.30 – 0.41	0.13	-0.24 – 0.50
College	0.34	-0.03 – 0.71	0.19	-0.20 – 0.59
Income status	-0.15*	-0.26 – -0.03	-0.06	-0.18 – 0.06
Understanding of AI	-0.17	-0.38 – 0.04	0.36**	0.14 – 0.58
Institutional trust	0.22***	0.17 – 0.27	0.23***	0.18 – 0.29
Privacy concerns	-0.03	-0.27 – 0.20	-0.62***	-0.86 – -0.37
Ideological extremism	-0.11**	-0.18 – -0.04	-0.12**	-0.19 – -0.04
Religiosity	0.04	-0.01 – 0.09	-0.02	-0.07 – 0.04
Big-5 Openness	0.14	-0.11 – 0.38	0.54***	0.26 – 0.81
Big-5 Neurocity	-0.29*	-0.51 – -0.07	0.01	-0.22 – 0.25

Note: ***p $<$ 0.001, **p $<$ 0.01, *p $<$ 0.05