The Intrinsic Memorability of Face Photographs

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SUPPLEMENTAL MATERIAL

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Table S1
Correlation Chart between All Attributes

	atypical	boring	calm	cold	common	confident	egotistic	emotUnstable	forgettable	intelligent	introverted	kind	responsible	trustworthy	unattractive	unemotional	unfamiliar	unfriendly	unhappy	weird
atypical	1	0.2149	0.4348	0.5332	-0.4871	0.3549	0.4472	0.5824	-0.0782	0.4389	-0.4696	-0.52	0.5491	-0.5503	0.3392	0.4572	0.5051	0.5462	0.5203	0.6004
boring	0.2149	1	-0.2303	0.5148	0.1394	-0.5801	0.197	0.4267	0.7121	-0.3485	0.6514	-0.47	-0.2908	-0.3973	0.6571	0.5657	0.415	0.5246	0.5588	0.4951
calm	-0.4348	-0.2303	1	-0.599	0.3908	0.456	-0.4927	-0.6796	-0.1489	0.6274	-0.3633	0.676	0.7086	0.7177	-0.4122	-0.4051	-0.3925	-0.6264	-0.59	-0.5833
cold	0.5332	0.5148	-0.5987	1	-0.3579	-0.5331	0.6929	0.7751	0.3198	-0.5649	0.6933	-0.91	-0.701	-0.8336	0.4804	0.8318	0.5159	0.9381	0.9093	0.6288
common	-0.4871	0.1394	0.3908	-0.358	1	0.1486	-0.3643	-0.392	0.3064	0.2738	-0.1994	0.402	0.424	0.4208	-0.0357	-0.2414	-0.2917	-0.3585	-0.324	-0.3499
confident	-0.3549	-0.5801	0.456	-0.533	0.1486	1	-0.0554	-0.6142	-0.4836	0.6311	-0.719	0.548	0.5974	0.5508	-0.601	-0.4986	-0.4518	-0.5847	-0.6754	-0.6081
egotistic	0.4472	0.197	-0.4927	0.6929	-0.3643	-0.0554	1	0.5303	0.0549	-0.3156	0.2981	-0.69	-0.5158	-0.6648	0.1532	0.5882	0.3309	0.6584	0.5559	0.4006
emotUnstable	0.5824	0.4267	-0.6796	0.7751	-0.392	-0.6142	0.5303	1	0.2961	-0.6748	0.6431	-0.76	-0.7696	-0.7928	0.4993	0.6232	0.5352	0.7978	0.7987	0.7301
forgettable	0.0782	0.7121	-0.1489	0.3198	0.3064	-0.4836	0.0549	0.2961	1	-0.3006	0.4884	-0.29	-0.2146	-0.2546	0.5639	0.3711	0.333	0.3343	0.3677	0.3468
intelligent	-0.4389	-0.3485	0.6274	-0.565	0.2738	0.6311	-0.3156	-0.6748	-0.3006	1	-0.4477	0.635	0.7943	0.7072	-0.499	-0.4296	-0.4239	-0.6033	-0.6176	-0.5743
introverted	0.4696	0.6514	-0.3633	0.6933	-0.1994	-0.719	0.2981	0.6431	0.4884	-0.4477	1	-0.63	-0.5192	-0.574	0.5476	0.7083	0.5202	0.7144	0.7705	0.65
kind	-0.5151	-0.4661	0.6764	-0.906	0.4023	0.5476	-0.6919	-0.7596	-0.2861	0.6349	-0.634	1	0.7754	0.8898	-0.4778	-0.7719	-0.5007	-0.9039	-0.8705	-0.6323
responsible	-0.5491	-0.2908	0.7086	-0.701	0.424	0.5974	-0.5158	-0.7696	-0.2146	0.7943	-0.5192	0.775	1	0.845	-0.4055	-0.5556	-0.4716	-0.7251	-0.7156	-0.6397
trustworthy	-0.5503	-0.3973	0.7177	-0.834	0.4208	0.5508	-0.6648	-0.7928	-0.2546	0.7072	-0.574	0.89	0.845	1	-0.4665	-0.6831	-0.4904	-0.8435	-0.8044	-0.6728
unattractive	0.3392	0.6571	-0.4122	0.4804	-0.0357	-0.601	0.1532	0.4993	0.5639	-0.499	0.5476	-0.48	-0.4055	-0.4665	1	0.4489	0.4866	0.5124	0.531	0.6764
unemotional	0.4572	0.5657	-0.4051	0.8318	-0.2414	-0.4986	0.5882	0.6232	0.3711	-0.4296	0.7083	-0.77	-0.5556	-0.6831	0.4489	1	0.4889	0.82	0.8174	0.5383
unfamiliar	0.5051	0.415	-0.3925	0.5159	-0.2917	-0.4518	0.3309	0.5352	0.333	-0.4239	0.5202	-0.5	-0.4716	-0.4904	0.4866	0.4889	1	0.541	0.5348	0.5825
unfriendly	0.5462	0.5246	-0.6264	0.9381	-0.3585	-0.5847	0.6584	0.7978	0.3343	-0.6033	0.7144	-0.9	-0.7251	-0.8435	0.5124	0.82	0.541	1	0.9274	0.6536
unhappy	0.5203	0.5588	-0.59	0.9093	-0.324	-0.6754	0.5559	0.7987	0.3677	-0.6176	0.7705	-0.87	-0.7156	-0.8044	0.531	0.8174	0.5348	0.9274	1	0.6436
weird	0.6004	0.4951	-0.5833	0.6288	-0.3499	-0.6081	0.4006	0.7301	0.3468	-0.5743	0.65	-0.63	-0.6397	-0.6728	0.6764	0.5383	0.5825	0.6536	0.6436	1
aggressive	0.455	0.3029	-0.5896	0.778	-0.3494	-0.3582	0.6684	0.6431	0.1808	-0.5172	0.4711	-0.8	-0.6656	-0.7673	0.3877	0.6479	0.4066	0.7729	0.7283	0.5257
attractive	-0.2445	-0.5884	0.3463	-0.418	-0.0094	-0.0969	-0.3991	-0.5143	0.4084	-0.4864	0.436	0.4356	0.3314	0.4005	-0.8293	-0.3941	-0.3822	-0.4489	-0.4706	-0.5599
caring	-0.4907	-0.4091	0.599	-0.83	0.3554	0.4925	-0.6285	-0.694	-0.2501	0.5624	-0.5895	0.85	0.7112	0.8111	-0.4499	-0.7204	-0.4727	-0.8323	-0.8129	-0.5946
emotStable	-0.5017	-0.3587	0.6145	-0.701	0.3498	0.5631	-0.4452	-0.7255	-0.2397	0.622	-0.5677	0.715	0.7107	0.729	-0.4659	-0.572	-0.4735	-0.724	-0.7313	-0.6181
emotional	-0.171	-0.3728	0.1829	-0.502	0.0936	0.2355	-0.3899	-0.2717	-0.2557	0.2037	-0.3891	0.507	0.2901	0.416	-0.3026	-0.5531	-0.2416	-0.4884	-0.4744	-0.2706
familiar	-0.3216	-0.2843	0.3819	-0.482	0.2549	0.3957	-0.2661	-0.4429	-0.1876	0.3994	-0.3725	0.513	0.4538	0.4964	-0.385	-0.3901	-0.3466	-0.4916	-0.4968	-0.4438
friendly	-0.4848	-0.4627	0.561	-0.87	0.3423	0.5588	-0.5786	-0.714	-0.2858	0.567	-0.6551	0.864	0.6919	0.7992	-0.4802	-0.7598	-0.4832	-0.8738	-0.8691	-0.5855
happy	-0.4617	-0.4943	0.5367	-0.873	0.3206	0.6025	-0.5423	-0.7093	-0.3122	0.5621	-0.6965	0.852	0.6793	0.7803	-0.4779	-0.7759	-0.4723	-0.8788	-0.8936	-0.5697
humble	-0.4285	-0.1527	0.5551	-0.675	0.2247	0.4029	-0.6774	-0.5698	-0.0408	0.4503	-0.3225	0.71	0.6157	0.704	-0.1972	-0.5371	-0.3223	-0.6683	-0.6101	-0.4181
interesting	-0.2149	-0.5703	0.3633	-0.523	-0.0291	0.5651	-0.2132	-0.47	-0.5153	0.4652	-0.5161	0.532	0.4419	0.4887	-0.5781	-0.4923	-0.3648	-0.5455	-0.5783	-0.4445
irresponsible	0.469	0.2313	-0.5988	0.6351	-0.3503	-0.4675	0.4951	0.6593	0.1562	-0.6316	0.4586	-0.68	-0.7492	-0.7163	0.3359	0.5222	0.4206	0.6539	0.6473	0.5511
mean	0.4844	0.3882	-0.5926	0.8341	-0.3492	-0.4783	0.6167	0.7045	0.2305	-0.5706	0.5686	-0.83	-0.6881	-0.7831	0.4458	0.6999	0.4475	0.8362	0.8141	0.5583
memorable	0.0015	-0.4949	0.1169	-0.262	-0.2354	0.4025	-0.0211	-0.2111	-0.5229	0.2314	-0.3618	0.265	0.1801	0.2144	-0.437	-0.2868	-0.1945	-0.284	-0.3207	-0.2207
normal	-0.5344	-0.34	0.5631	-0.668	0.4127	0.5143	-0.4345	-0.6749	-0.1878	0.5473	-0.554	0.682	0.6471	0.6957	-0.5005	-0.5589	-0.5027	-0.6889	-0.6757	-0.6782
sociable	-0.4522	-0.5293	0.5179	-0.819	0.2822	0.633	-0.4493	-0.6864	-0.3582	0.5479	-0.7128	0.804	0.6425	0.7313	-0.5604	-0.737	-0.4933	-0.8359	-0.8533	-0.6129
typical	-0.4502	-0.0763	0.3692	-0.438	0.4658	0.2555	-0.3258	-0.4421	0.0805	0.3333	-0.3159	0.449	0.4387	0.4603	-0.1818	-0.3248	-0.3291	-0.4487	-0.4246	-0.4268
uncertain	0.3917	0.4609	-0.4498	0.6093	-0.2141	-0.6405	0.2857	0.6131	0.3504	-0.5239	0.6318	-0.6071	-0.5803	-0.5983	0.465	0.5547	0.4248	0.6443	0.6918	0.5576
uncommon	0.461	0.0867	-0.3645	0.4198	-0.434	-0.2491	0.3342	0.4448	-0.0471	-0.3103	0.3345	-0.43	-0.4208	-0.4443	0.1906	0.3395	0.3313	0.4248	0.4039	0.4199
unintelligent	0.393	0.2886	-0.522	0.537	-0.2471	-0.5003	0.3435	0.5927	0.2203	-0.6291	0.4353	-0.57	-0.6488	-0.6118	0.4256	0.4413	0.3939	0.5678	0.5799	0.5288
untrustworthy	0.4902	0.3331	-0.6049	0.7596	-0.3612	-0.4607	0.6034	0.6919	0.2074	-0.5801	0.5301	-0.78	-0.7189	-0.7835	0.4154	0.6367	0.46	0.7687	0.7406	0.5884

	aggressive	attractive	caring	emotStable	emotional	familiar	friendly	happy	humble	interesting	irresponsible	mean	memorable	normal	sociable	typical	uncertain	uncommon	unintelligent	untrustworthy
atypical	-0.455	-0.2445	0.4907	-0.5017	-0.171	-0.3216	-0.4848	-0.4617	-0.4285	-0.2149	0.469	0.484	0.0015	-0.5344	-0.4522	-0.4502	0.3917	0.461	0.393	0.4902
boring	0.3029	-0.5884	-0.4091	-0.3587	-0.3728	-0.2843	-0.4627	-0.4943	-0.1527	-0.5703	0.2313	0.388	-0.4949	-0.34	-0.5293	-0.0763	0.4609	0.0867	0.2886	0.3331
calm	-0.5896	0.3463	0.599	0.6145	0.1829	0.3819	0.561	0.5367	0.5551	0.3633	-0.5988	-0.59	0.1169	0.5631	0.5179	0.3692	-0.4498	-0.3645	-0.522	-0.6049
cold	0.778	-0.4183	-0.8298	-0.7007	-0.5022	-0.4819	-0.8701	-0.873	-0.6748	-0.5229	0.6351	0.834	-0.2622	-0.6679	-0.8187	-0.4378	0.6093	0.4198	0.537	0.7596
common	-0.3494	-0.0094	0.3554	0.3498	0.0936	0.2549	0.3423	0.3206	0.4029	-0.0291	-0.3503	-0.35	-0.2354	0.4127	0.2822	0.4658	-0.2141	-0.434	-0.2471	-0.3612
confident	-0.3582	0.5329	0.4925	0.5631	0.2355	0.3957	0.5588	0.6025	0.2247	0.5651	-0.4675	-0.48	0.4025	0.5143	0.633	0.2555	-0.6405	-0.2491	-0.5003	-0.4607
egotistic	0.6684	-0.0969	-0.6285	-0.4452	-0.3899	-0.2661	-0.5786	-0.5423	-0.6774	-0.2132	0.4951	0.617	-0.0211	-0.4345	-0.4493	-0.3258	0.2857	0.3342	0.3435	0.6034
emotUnstable	0.6431	-0.3991	-0.694	-0.7255	-0.2717	-0.4429	-0.714	-0.7093	-0.5698	-0.47	0.6593	0.705	-0.2111	-0.6749	-0.6864	-0.4421	0.6131	0.4448	0.5927	0.6919
forgettable	0.1808	-0.5143	-0.2501	-0.2397	-0.2557	-0.1876	-0.2858	-0.3122	-0.0408	-0.5153	0.1562	0.231	-0.5229	-0.1878	-0.3582	0.0805	0.3504	-0.0471	0.2203	0.2074
intelligent	-0.5172	0.4084	0.5624	0.622	0.2037	0.3994	0.567	0.5621	0.4503	0.4652	-0.6316	-0.57	0.2314	0.5473	0.5479	0.3333	-0.5239	-0.3103	-0.6291	-0.5801
introverted	0.4711	-0.4864	-0.5895	-0.5677	-0.3891	-0.3725	-0.6551	-0.6965	-0.3225	-0.5161	0.4586	0.569	-0.3618	-0.554	-0.7128	-0.3159	0.6318	0.3345	0.4353	0.5301
kind	-0.7956	0.4356	0.8502	0.7151	0.5074	0.5133	0.8636	0.8522	0.7102	0.5316	-0.6771	-0.83	0.2646	0.6821	0.8042	0.4494	-0.6071	-0.4285	-0.57	-0.7818
responsible	-0.6656	0.3314	0.7112	0.7107	0.2901	0.4538	0.6919	0.6793	0.6157	0.4419	-0.7492	-0.69	0.1801	0.6471	0.6425	0.4387	-0.5803	-0.4208	-0.6488	-0.7189
trustworthy	-0.7673	0.4005	0.8111	0.729	0.416	0.4964	0.7992	0.7803	0.704	0.4887	-0.7163	-0.78	0.2144	0.6957	0.7313	0.4603	-0.5983	-0.4443	-0.6118	-0.7835
unattractive	0.3877	-0.8293	-0.4499	-0.4659	-0.3026	-0.385	-0.4802	-0.4779	-0.1972	-0.5781	0.3359	0.446	-0.437	-0.5005	-0.5604	-0.1818	0.465	0.1906	0.4256	0.4154
unemotional	0.6479	-0.3941	-0.7204	-0.572	-0.5531	-0.3901	-0.7598	-0.7759	-0.5371	-0.4923	0.5222	0.7	-0.2868	-0.5589	-0.737	-0.3248	0.5547	0.3395	0.4413	0.6367
unfamiliar	0.4066	-0.3822	-0.4727	-0.4735	-0.2416	-0.3466	-0.4832	-0.4723	-0.3223	-0.3648	0.4206	0.448	-0.1945	-0.5027	-0.4933	-0.3291	0.4248	0.3313	0.3939	0.46
unfriendly	0.7729	-0.4489	-0.8323	-0.724	-0.4884	-0.4916	-0.8738	-0.8788	-0.6683	-0.5455	0.6539	0.836	-0.284	-0.6889	-0.8359	-0.4487	0.6443	0.4248	0.5678	0.7687
unhappy	0.7283	-0.4706	-0.8129	-0.7313	-0.4744	-0.4968	-0.8691	-0.8936	-0.6101	-0.5783	0.6473	0.814	-0.3207	-0.6757	-0.8533	-0.4246	0.6918	0.4039	0.5799	0.7406
weird	0.5257	-0.5599	-0.5946	-0.6181	-0.2706	-0.4438	-0.5855	-0.5697	-0.4181	-0.4445	0.5511	0.558	-0.2207	-0.6782	-0.6129	-0.4268	0.5576	0.4199	0.5288	0.5884
aggressive	1	-0.3993	-0.8538	-0.726	-0.431	-0.4557	-0.833	-0.7835	-0.7877	-0.4748	0.7656	0.897	-0.1901	-0.6953	-0.7438	-0.4481	0.571	0.4779	0.6486	0.8635
attractive	-0.3993	1	0.4796	0.4851	0.3569	0.4502	0.5069	0.4971	0.2116	0.659	-0.3335	-0.46	0.5388	0.5317	0.5916	0.1816	-0.4679	-0.1883	-0.449	-0.4313
caring	-0.8538	0.4796	1	0.7924	0.547	0.5619	0.9221	0.896	0.8021	0.589	-0.7565	-0.89	0.308	0.7657	0.8616	0.5028	-0.6568	-0.4704	-0.6408	-0.8656
emotStable	-0.726	0.4851	0.7924	1	0.29	0.5068	0.7985	0.782	0.6769	0.5644	-0.7761	-0.79	0.2749	0.7957	0.7739	0.5128	-0.7071	-0.4979	-0.7222	-0.7996
emotional	-0.431	0.3569	0.547	0.29	1	0.3209	0.5412	0.5482	0.3761	0.4091	-0.2686	-0.44	0.3359	0.3318	0.539	0.1969	-0.2982	-0.1294	-0.2154	-0.3986
familiar	-0.4557	0.4502	0.5619	0.5068	0.3209	1	0.5675	0.545	0.4177	0.4253	-0.4319	-0.49	0.2834	0.5419	0.5654	0.431	-0.4084	-0.3042	-0.3938	-0.4942
friendly	-0.833	0.5069	0.9221	0.7985	0.5412	0.5675	1	0.9473	0.7341	0.6229	-0.717	-0.9	0.3413	0.7562	0.914	0.5011	-0.7017	-0.4589	-0.6334	-0.8387
happy	-0.7835	0.4971	0.896	0.782	0.5482	0.545	0.9473	1	0.6826	0.6263	-0.6848	-0.87	0.3535	0.7238	0.9204	0.468	-0.7294	-0.4346	-0.6087	-0.8
humble	-0.7877	0.2116	0.8021	0.6769	0.3761	0.4177	0.7341	0.6826	1	0.3513	-0.6939	-0.77	0.0908	0.6269	0.6061	0.472	-0.4261	-0.4496	-0.5336	-0.7738
interesting	-0.4748	0.659	0.589	0.5644	0.4091	0.4253	0.6229	0.6263	0.3513	1	-0.4564	-0.55	0.7142	0.4784	0.6647	0.1101	-0.5781	-0.1167	-0.5425	-0.5389
irresponsible	0.7656	-0.3335	-0.7565	-0.7761	-0.2686	-0.4319	-0.717	-0.6848	-0.6939	-0.4564	1	0.78	-0.1792	-0.7235	-0.6549	-0.4472	0.6591	0.5158	0.7985	0.8447
mean	0.8966	-0.457	-0.8851	-0.7885	-0.4444	-0.485	-0.8997	-0.8703	-0.7705	-0.5492	0.7802	1	-0.2581	-0.7404	-0.8316	-0.4737	0.6636	0.5044	0.6915	0.8811
memorable	-0.1901	0.5388	0.308	0.2749	0.3359	0.2834	0.3413	0.3535	0.0908	0.7142	-0.1792	-0.26	1	0.1862	0.4146	-0.1274	-0.3748	0.1311	-0.2822	-0.2392
normal	-0.6953	0.5317	0.7657	0.7957	0.3318	0.5419	0.7562	0.7238	0.6269	0.4784	-0.7235	-0.74	0.1862	1	0.7552	0.6373	-0.6402	-0.6094	-0.6605	-0.7626
sociable	-0.7438	0.5916	0.8616	0.7739	0.539	0.5654	0.914	0.9204	0.6061	0.6647	-0.6549	-0.83	0.4146	0.7552	1	0.4692	-0.7308	-0.4339	-0.6078	-0.7728
typical	-0.4481	0.1816	0.5028	0.5128	0.1969	0.431	0.5011	0.468	0.472	0.1101	-0.4472	-0.47	-0.1274	0.6373	0.4692	1	-0.3388	-0.6022	-0.3618	-0.4742
uncertain	0.571	-0.4679	-0.6568	-0.7071	-0.2982	-0.4084	-0.7017	-0.7294	-0.4261	-0.5781	0.6591	0.664	-0.3748	-0.6402	-0.7308	-0.3388	1	0.4279	0.6657	0.6686
uncommon	0.4779	-0.1883	-0.4704	-0.4979	-0.1294	-0.3042	-0.4589	-0.4346	-0.4496	-0.1167	0.5158	0.504	0.1311	-0.6094	-0.4339	-0.6022	0.4279	1	0.4553	0.5256
unintelligent	0.6486	-0.449	-0.6408	-0.7222	-0.2154	-0.3938	-0.6334	-0.6087	-0.5336	-0.5425	0.7985	0.692	-0.2822	-0.6605	-0.6078	-0.3618	0.6657	0.4553	1	0.7532
untrustworthy	0.8635	-0.4313	-0.8656	-0.7996	-0.3986	-0.4942	-0.8387	-0.8	-0.7738	-0.5389	0.8447	0.881	-0.2392	-0.7626	-0.7728	-0.4742	0.6686	0.5256	0.7532	1

Notes. This table shows a cross-correlation matrix of the *r* values between the different attributes (split into two tables for space). Corresponding antonyms are highlighted with orange text. Cell color corresponds to direction (green = positive, red = negative) and strength of correlation.

Table S2

Correlations between Attributes and Memorability Scores

	Attribute	HR r	HR p	FAR r	FAR p
Oosterhof & Todorov attributes	interesting / **boring**	0.12	4.51E-09	0.08	7.82E-05
	calm / **aggressive**	-0.19	3.44E-19	0.23	6.21E-27
	caring / cold	-0.14	1.26E-10	0.25	4.92E-33
	confident / uncertain	-0.08	2.29E-04	0.24	9.57E-30
	humble / **egotistic**	-0.17	5.64E-16	0.18	4.48E-18
	emotionally stable / unstable	-0.20	2.61E-22	0.25	2.00E-33
	intelligent / unintelligent	-0.22	1.08E-24	0.22	1.28E-25
	sociable / introverted	-0.06	3.77E-03	0.25	6.76E-34
	kind / **mean**	-0.14	9.21E-12	0.24	1.07E-31
	responsible / irresponsible	-0.25	5.33E-34	0.26	3.04E-35
	trustworthy / untrustworthy	-0.18	5.07E-18	0.24	7.81E-31
	attractive / unattractive	0.01	5.48E-01	0.19	1.94E-20
	happy / **unhappy**	-0.12	1.96E-08	0.26	7.49E-37
	normal / **weird**	-0.21	8.80E-23	0.32	3.57E-53
Vokey & Read	**typical** / atypical	-0.34	1.01E-59	0.33	7.10E-58
	memorable / forgettable	0.28	2.01E-42	-0.02	3.35E-01
	familiar / unfamiliar	-0.15	5.07E-13	0.28	1.57E-41
Prelim. Study	**common** / uncommon	-0.35	9.50E-67	0.30	2.78E-48
	emotional / unemotional	0.01	6.11E-01	0.16	4.09E-14
	friendly / unfriendly	-0.13	1.40E-09	0.26	1.18E-34

Notes. A chart of the *r* and *p* values from Pearson's correlations between each attribute and HR and FAR. HR and FAR are logit-transformed and attribute scores are z-score transformed. Green cells indicate positive correlations (corresponding to positive-valence attributes), while red cells indicate negative correlations (corresponding to negative-valence attributes). Darkness of color is determined by effect size, as determined by Cohen's effect size for r.

Table S3

Multiple Regression Model for HR on the Twenty Attributes with a HR Regressor

HR		Minimum fit model			Maximum fit model		
	Attribute	HR β	HR t	HR p	HR β	HR t	HR p
Oosterhof & Todorov attributes	interesting / **boring**	-0.01	-0.38	0.71	0.00	-0.07	0.94
	calm / **aggressive**	0.00	0.13	0.90	0.05	2.05	0.04
	caring / cold	-0.01	-0.15	0.88	-0.05	-1.25	0.21
	confident / uncertain	0.02	1.12	0.26	0.02	0.72	0.47
	humble / **egotistic**	0.02	0.97	0.33	-0.03	-1.16	0.25
	emotionally stable / unstable	0.00	0.16	0.87	-0.02	-0.63	0.53
	intelligent / unintelligent	-0.02	-0.94	0.35	-0.03	-1.45	0.15
	sociable / introverted	0.00	0.03	0.98	0.02	0.88	0.38
	kind / **mean**	0.04	1.09	0.28	0.06	1.56	0.12
	responsible / irresponsible	-0.06	-2.13	0.03	-0.09	-3.40	7.00E-04
	trustworthy / untrustworthy	0.03	1.04	0.30	0.08	2.34	0.02
	attractive / unattractive	-0.01	-0.70	0.48	-0.02	-1.39	0.16
	happy / **unhappy**	-0.07	-1.73	0.08	-0.03	-0.81	0.42
	normal / **weird**	0.02	0.84	0.40	0.01	0.41	0.68
Vokey & Read	**typical** / atypical	-0.02	-1.50	0.13	-0.06	-3.74	2.00E-04
	memorable / forgettable	0.09	5.11	0.00	0.07	4.17	0.00
	familiar / unfamiliar	-0.04	-2.63	0.01	0.00	-0.13	0.90
Prelim. Study	**common** / uncommon	-0.02	-1.33	0.18	-0.02	-1.15	0.25
	emotional / unemotional	0.02	1.37	0.17	0.01	0.29	0.78
	friendly / unfriendly	-0.01	-0.25	0.80	0.00	-0.10	0.92
	HR regressor	0.36	35.14	0.00	0.37	37.70	0.00

	Minimum fit model			Maximum fit model		
Constant	0.06	6.67	0.00	0.01	1.56	0.12

Model stats	F(2200,21)	99.62		F(2200,21)	115.16
	p	4.23E-300		p	0.00
	SSE	407.43		SSE	388.20
	SSR	387.45		SSR	426.72
	Adj r^2	0.483		Adj r^2	0.519

Notes. Similar to Table 2-3 in the main text, this table shows the *β* weight, *t* statistic, and *p-value* for multiple linear regression models with the twenty attributes (Oosterhof & Todorov, 2008; Vokey & Read, 1992) as well as a randomly split-half HR regressor, with the model predicting the other split-half of HR. The model was run 25 times, with different random HR split-halves each time. This table shows the statistics for the worst-performing (minimum fit) and best-performing (maximum fit) models of the 25. Attributes are z-score transformed, and HR scores are logit-transformed. Colored cells indicate cells with significant values, with darker cells significant at $p < 0.01$, lighter cells at $p < 0.05$, and white cells are non-significant. Green cells indicate positive values (aligning with the positive attribute) and red cells indicate negative values (aligning with the negative attribute).

Table S4

Multiple Regression Model for HR on the Fourteen Attributes with a HR Regressor

HR		Minimum fit model			Maximum fit model		
	Attribute	HR β	HR t	HR p	HR β	HR t	HR p
Oosterhof & Todorov attributes	interesting / **boring**	-0.08	-4.49	0.00	-0.08	-4.83	0.00
	calm / **aggressive**	0.01	0.28	0.78	-0.06	-2.10	0.04
	caring / cold	-0.01	-0.12	0.90	-0.06	-1.51	0.13
	confident / uncertain	0.03	1.38	0.17	0.02	1.02	0.31
	humble / **egotistic**	-0.02	-0.95	0.34	0.04	1.63	0.10
	emotionally stable / unstable	-0.02	-1.11	0.27	-0.05	-2.14	0.03
	intelligent / unintelligent	1.18E+13	0.78	0.44	-4.68E+11	-0.03	0.97
	sociable / introverted	-0.01	-0.21	0.83	0.00	0.10	0.92
	kind / **mean**	-0.03	-0.81	0.42	-0.05	-1.33	0.19
	responsible / irresponsible	-0.05	-1.91	0.06	-0.08	-3.28	1.10E-03
	trustworthy / untrustworthy	0.02	0.62	0.53	0.06	2.00	0.05
	attractive / unattractive	-0.01	-0.33	0.74	-0.02	-1.27	0.20
	happy / **unhappy**	0.08	2.05	0.04	0.03	0.77	0.44
	normal / **weird**	-1.18E+13	-0.78	0.44	4.68E+11	0.03	0.97
	HR regressor	0.38	38.40	0.00	0.40	41.08	0.00

Constant		0.06	6.61	0.00	0.01	1.54	0.12

Model stats	F(2206,15)	133.04		F(2206,15)	153.48
	p	6.07E-295		p	0.00
	SSE	418.49		SSE	398.71
	SSR	378.58		SSR	416.11
	Adj r^2	0.470		Adj r^2	0.507

Notes. This Table follows the same format as Table S3, but shows the minimum and maximum fit models for the multiple linear regression models for HR run 25 times on only on the fourteen attributes from Oosterhof & Todorov (2008) plus the random split-half HR regressor.

Table S5

Multiple Regression Model for FAR on the Twenty Attributes with a FAR Regressor

FAR	Attribute	Minimum fit model			Maximum fit model		
		FAR β	FAR t	FAR p	FAR β	FAR t	FAR p
Oosterhof & Todorov attributes	interesting / **boring**	-0.05	-1.47	0.14	-0.09	-2.88	4.00E-03
	calm / **aggressive**	-0.07	-1.80	0.07	-0.04	-1.05	0.29
	caring / cold	-0.06	-0.79	0.43	-0.05	-0.71	0.48
	confident / uncertain	-0.01	-0.43	0.67	0.02	0.71	0.48
	humble / **egotistic**	0.02	0.70	0.49	0.03	0.81	0.42
	emotionally stable / unstable	-0.08	-2.08	0.04	-0.10	-2.74	0.01
	intelligent / unintelligent	0.04	1.33	0.18	-0.05	-1.53	0.13
	sociable / introverted	0.02	0.36	0.72	-0.01	-0.14	0.89
	kind / **mean**	0.00	0.04	0.97	0.03	0.50	0.61
	responsible / irresponsible	0.08	2.00	0.05	0.07	1.73	0.08
	trustworthy / untrustworthy	-0.03	-0.58	0.56	-0.06	-1.22	0.22
	attractive / unattractive	0.11	4.16	0.00	0.09	3.48	5.00E-04
	happy / **unhappy**	0.14	2.02	0.04	0.12	1.81	0.07
	normal / **weird**	0.00	-0.07	0.95	0.09	2.65	0.01
Vokey & Read	**typical** / atypical	0.03	1.31	0.19	0.02	0.93	0.35
	memorable / forgettable	-0.04	-1.52	0.13	-0.04	-1.43	0.15
	familiar / unfamiliar	0.03	1.25	0.21	0.01	0.68	0.50
Prelim. Study	**common** / uncommon	0.04	1.63	0.10	0.03	1.42	0.16
	emotional / unemotional	-0.04	-1.42	0.15	0.02	0.78	0.44
	friendly / unfriendly	0.01	0.16	0.87	0.00	-0.06	0.95
	FAR regressor	0.54	34.94	0.00	0.55	37.05	0.00

	Constant	-2.09	-145.05	0.00	-1.97	-143.77	0.00

	Model stats	F(2200,21)	85.72		F(2200,21)	95.04	
		p	8.92E-267		p	2.32E-289	
		SSE	1014.50		SSE	914.37	
		SSR	830.14		SSR	829.50	
		Adj r^2	0.445		Adj r^2	0.471	

Notes. This Table follows the same format as Table S3, but shows the minimum and maximum fit models for the multiple linear regression models for FAR run 25 times on the twenty attributes with random split-half FAR regressors.

Table S6

Multiple Regression Model for FAR on the Fourteen Attributes with a FAR Regressor

FAR	Minimum fit model			Maximum fit model		
Attribute	FAR β	FAR t	FAR p	FAR β	FAR t	FAR p
interesting / **boring**	0.14	5.24	0.00	0.16	6.26	0.00
calm / **aggressive**	0.05	1.19	0.23	0.05	1.26	0.21
caring / cold	-0.01	-0.17	0.87	-0.01	-0.18	0.86
confident / uncertain	0.04	1.05	0.29	0.03	0.92	0.36
humble / **egotistic**	-0.07	-2.13	0.03	-0.05	-1.43	0.15
emotionally stable / unstable	0.05	1.33	0.18	-0.05	-1.44	0.15
intelligent / unintelligent	-1.31E+13	-0.55	0.58	5.92E+12	0.26	0.79
sociable / introverted	-0.04	-0.89	0.37	0.05	1.29	0.20
kind / **mean**	-0.02	-0.28	0.78	-0.02	-0.36	0.72
responsible / irresponsible	0.08	1.88	0.06	0.08	2.07	0.04
trustworthy / untrustworthy	-0.15	-2.87	4.10E-03	-0.03	-0.64	0.52
attractive / unattractive	0.09	3.83	1.00E-04	0.13	5.49	0.00
happy / **unhappy**	-0.18	-2.94	3.40E-03	-0.08	-1.33	0.18
normal / **weird**	1.31E+13	0.55	0.58	-5.92E+12	-0.26	0.79
FAR regressor	0.56	36.24	0.00	0.56	38.51	0.00

Oosterhof & Todorov attributes

Constant	-2.03	-139.79	0.00	-1.97	-142.88	0.00

Model stats	F(2206,15)	116.52		F(2206,15)	129.32	
	p	5.14E-266		p	1.39E-288	
	SSE	1,031.50		SSE	926.98	
	SSR	817.19		SSR	815.14	
	Adj r^2	0.437		Adj r^2	0.465	

Notes. This Table follows the same format as Table S3, but shows the minimum and maximum fit models for the multiple linear regression models for FAR run 25 times on only on the fourteen attributes from Oosterhof & Todorov (2008) plus the random split-half FAR regressor.