Results

Repeated Measures ANOVA

Within Subjects Effects

	Sphericity Correction	Sum of Squares	df	Mean Square	F	p	η²
ColorDescriptor	None	161.459[a]	5.000[a]	32.292[a]	1937.002[a]	< .001[a]	0.893
	Greenhouse-Geisser	161.459[a]	2.505[a]	64.454[a]	1937.002[a]	< .001[a]	0.893
	Huynh-Feldt	161.459[a]	2.541[a]	63.547[a]	1937.002[a]	< .001[a]	0.893
ColorDescriptor ✻ method	None	0.018[a]	5.000[a]	0.004[a]	0.218[a]	0.955[a]	0.000
	Greenhouse-Geisser	0.018[a]	2.505[a]	0.007[a]	0.218[a]	0.851[a]	0.000
	Huynh-Feldt	0.018[a]	2.541[a]	0.007[a]	0.218[a]	0.853[a]	0.000
Residual	None	16.004	960.000	0.017			
	Greenhouse-Geisser	16.004	480.963	0.033			
	Huynh-Feldt	16.004	487.833	0.033			

Note. Type III Sum of Squares

[a] Mauchly's test of sphericity indicates that the assumption of sphericity is violated (p < .05).

Between Subjects Effects

	Sum of Squares	df	Mean Square	F	p	η²
method	0.055	1	0.055	3.115	0.079	0.016
Residual	3.363	192	0.018			

Note. Type III Sum of Squares

Assumption Checks

Test of Sphericity

	Mauchly's W	Approx. X²	df	p	Greenhouse-Geisser ε	Huynh-Feldt ε	Lower Bound ε
ColorDescriptor	0.052	562.762	14	< .001	0.501	0.508	0.200

Test for Equality of Variances (Levene's)

	F	df1	df2	p
m	0.275	1.000	192.000	0.601
A	0.332	1.000	192.000	0.565

Test for Equality of Variances (Levene's)

	F	df1	df2	p
Jc	0.316	1.000	192.000	0.574
Jt	0.001	1.000	192.000	0.973
m_dL	0.036	1.000	192.000	0.850
m_dS	0.086	1.000	192.000	0.769

Post Hoc Tests

Post Hoc Comparisons - ColorDescriptor ✻ method

		Mean Difference	SE	t	Cohen's d
A,deeplearning	A,human	-0.017	0.019	-0.933	-0.067
	Jc,deeplearning	0.507	0.019	27.335	1.963
	Jc,human	0.484	0.019	25.977	1.865
	Jt,deeplearning	0.525	0.019	28.291	2.031
	Jt,human	0.503	0.019	27.024	1.940
	m,deeplearning	0.994	0.019	53.607	3.849
	m,human	0.982	0.019	52.766	3.788
	m_dL,deeplearning	0.198	0.019	10.663	0.766
	m_dL,human	0.189	0.019	10.157	0.729
	m_dS,deeplearning	0.996	0.019	53.743	3.859
	m_dS,human	0.996	0.019	53.506	3.842
A,human	Jc,deeplearning	0.524	0.019	28.153	2.021
	Jc,human	0.501	0.019	27.023	1.940
	Jt,deeplearning	0.542	0.019	29.105	2.090
	Jt,human	0.520	0.019	28.074	2.016
	m,deeplearning	1.011	0.019	54.315	3.900
	m,human	1.000	0.019	53.924	3.872
	m_dL,deeplearning	0.215	0.019	11.551	0.829
	m_dL,human	0.206	0.019	11.137	0.800
	m_dS,deeplearning	1.014	0.019	54.450	3.909
	m_dS,human	1.014	0.019	54.668	3.925
Jc,deeplearning	Jc,human	-0.023	0.019	-1.243	-0.089
	Jt,deeplearning	0.018	0.019	0.956	0.069
	Jt,human	-0.004	0.019	-0.196	-0.014
	m,deeplearning	0.487	0.019	26.273	1.886
	m,human	0.476	0.019	25.546	1.834
	m_dL,deeplearning	-0.309	0.019	-16.671	-1.197
	m_dL,human	-0.318	0.019	-17.063	-1.225
	m_dS,deeplearning	0.490	0.019	26.408	1.896
	m_dS,human	0.489	0.019	26.286	1.887

Post Hoc Comparisons - ColorDescriptor ✻ method

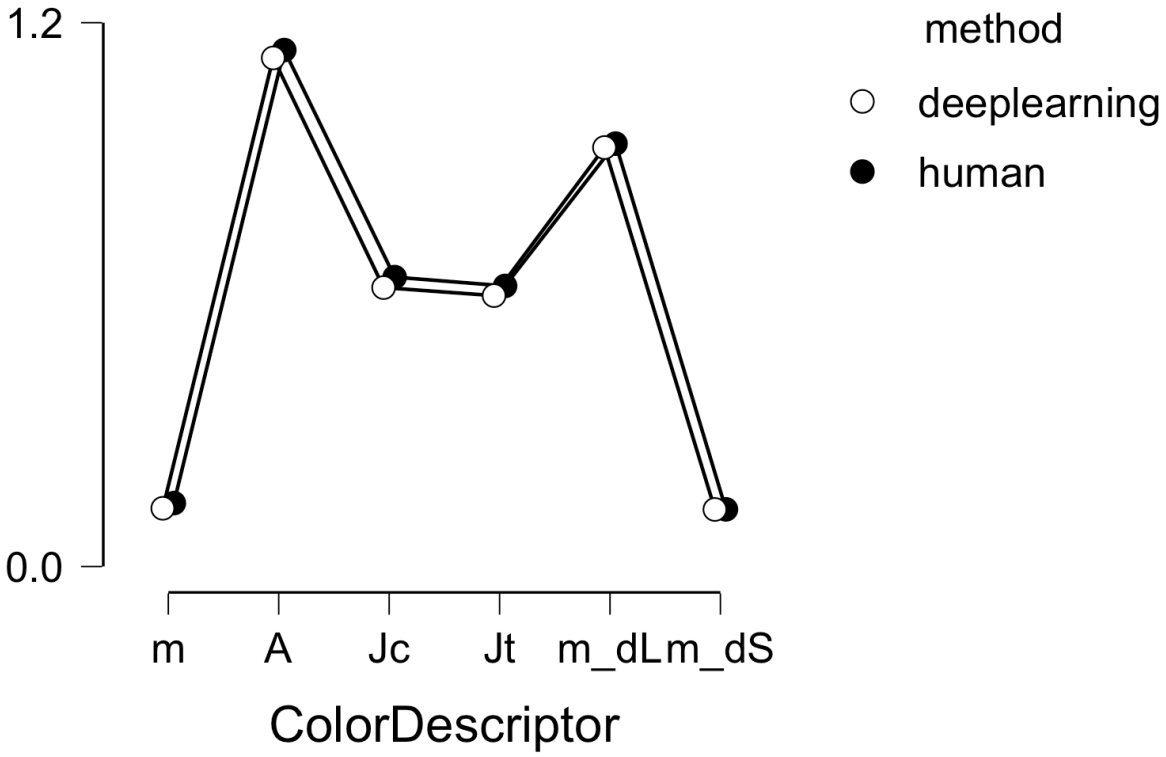
		Mean Difference	SE	t	Cohen's d
Jc,human	Jt,deeplearning	0.041	0.019	2.195	0.158
	Jt,human	0.019	0.019	1.051	0.075
	m,deeplearning	0.510	0.019	27.405	1.968
	m,human	0.499	0.019	26.901	1.931
	m_dL,deeplearning	-0.286	0.019	-15.359	-1.103
	m_dL,human	-0.295	0.019	-15.887	-1.141
	m_dS,deeplearning	0.513	0.019	27.540	1.977
	m_dS,human	0.513	0.019	27.645	1.985
Jt,deeplearning	Jt,human	-0.021	0.019	-1.148	-0.082
	m,deeplearning	0.469	0.019	25.317	1.818
	m,human	0.458	0.019	24.593	1.766
	m_dL,deeplearning	-0.327	0.019	-17.628	-1.266
	m_dL,human	-0.335	0.019	-18.015	-1.293
	m_dS,deeplearning	0.472	0.019	25.452	1.827
	m_dS,human	0.472	0.019	25.334	1.819
Jt,human	m,deeplearning	0.491	0.019	26.359	1.892
	m,human	0.479	0.019	25.850	1.856
	m_dL,deeplearning	-0.305	0.019	-16.406	-1.178
	m_dL,human	-0.314	0.019	-16.938	-1.216
	m_dS,deeplearning	0.493	0.019	26.493	1.902
	m_dS,human	0.493	0.019	26.594	1.909
m,deeplearning	m,human	-0.011	0.019	-0.617	-0.044
	m_dL,deeplearning	-0.796	0.019	-42.944	-3.083
	m_dL,human	-0.805	0.019	-43.225	-3.103
	m_dS,deeplearning	0.003	0.019	0.135	0.010
	m_dS,human	0.002	0.019	0.123	0.009
m,human	m_dL,deeplearning	-0.785	0.019	-42.147	-3.026
	m_dL,human	-0.793	0.019	-42.788	-3.072
	m_dS,deeplearning	0.014	0.019	0.752	0.054
	m_dS,human	0.014	0.019	0.744	0.053
m_dL,deeplearning	m_dL,human	-0.009	0.019	-0.461	-0.033
	m_dS,deeplearning	0.799	0.019	43.080	3.093
	m_dS,human	0.798	0.019	42.888	3.079
m_dL,human	m_dS,deeplearning	0.807	0.019	43.360	3.113
	m_dS,human	0.807	0.019	43.531	3.125
m_dS,deeplearning	m_dS,human	-2.094e -4	0.019	-0.011	-8.073e -4

Note. Cohen's d does not correct for multiple comparisons.

Note. Bonferroni adjusted confidence intervals.

Descriptives

Descriptives Plot



Independent Samples T-Test

Independent Samples T-Test

					95% CI for Cohen's d	
	t	df	p	Cohen's d	Lower	Upper
m	-1.848	192.000	0.066	-0.265	-0.548	0.018
A	-0.538	192.000	0.591	-0.077	-0.359	0.204
Jc	-1.781	192.000	0.076	-0.256	-0.538	0.027
Jt	-1.417	192.000	0.158	-0.203	-0.485	0.079
m_dL	-0.382	192.000	0.703	-0.055	-0.336	0.227
m_dS	-0.021	192.000	0.983	-0.003	-0.284	0.278

Note. Student's t-test.

Descriptives

Group Descriptives

	Group	N	Mean	SD	SE
m	deeplearning	97	0.128	0.042	0.004
	human	97	0.140	0.044	0.005
A	deeplearning	97	1.122	0.231	0.023
	human	97	1.140	0.219	0.022
Jc	deeplearning	97	0.615	0.088	0.009
	human	97	0.639	0.093	0.009
Jt	deeplearning	97	0.598	0.106	0.011
	human	97	0.619	0.104	0.011
m_dL	deeplearning	97	0.925	0.157	0.016
	human	97	0.933	0.156	0.016
m_dS	deeplearning	97	0.126	0.067	0.007
	human	97	0.126	0.070	0.007