

Pairwise comparison with bonferroni correction

Study A

Image quality perception task

- In which mode did you see more details?

In which movement mode participant identify more details?						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
Circular	-	Linear	-0.4459	0.1898	0.05645	.
Circular	-	Static	0.6193	0.2056	0.00779	**
Linear	-	Static	1.0653	0.203	4.65E-07	***

Complementary table for figure 4b.

- Which movement mode do you prefer?

Which movement mode do you prefer?						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
Circular	-	Linear	-0.8243	0.1904	4.47E-05	***
Circular	-	Static	-0.3468	0.1917	0.2113	
Linear	-	Static	0.4775	0.1857	0.0303	*

Complementary table for figure 4c.

Study B

Error ratio for character recognition task

- Font size

Font size						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
8	-	10	1.2434	0.1255	<2e-16	***
8	-	12	2.2008	0.187	<2e-16	***
10	-	12	0.9574	0.2085	1.32E-05	***

Complementary table for figure 5c.

- Movement mode

Movement mode						
<i>Pair</i>			<i>Estimate</i>	<i>Standart Error</i>	<i>Pr(> z)</i>	<i>Signif.</i>
circular	-	linear	0.2013	0.2251	1	
circular	-	static	-2.0009	0.1614	<2e-16	***
linear	-	static	-2.2023	0.1763	<2e-16	***

Complementary table for figure 5d.

- Movement mode : Font size

Movent mode : Font size						
<i>Pair</i>			<i>Estimate</i>	<i>Standart Error</i>	<i>Pr(> z)</i>	<i>Signif.</i>
Circular 8	-	Static 8	-2.3537682	0.21534336	0	***
Linear 8	-	Static 8	-2.5371037	0.233893639	0	***
Static 8	-	Static 10	1.36277413	0.142584148	0	***
Static 8	-	Static 12	2.82605122	0.267157362	0	***
Circular 10	-	Static 10	-1.9756208	0.356713105	1.10E-06	***
Linear 19	-	Static 10	-1.8700056	0.340782773	1.47E-06	***
Static 10	-	Static 12	1.46327709	0.287749831	1.32E-05	***

Complementary table for figure 5e.

Character recognition results

- Movement mode

Movement mode						
<i>Pair</i>			<i>Estimate</i>	<i>Standart Error</i>	<i>Pr(> z)</i>	<i>Signif.</i>
Circular	-	Linear	-0.7626	0.08723	<2e-16	***
Circular	-	Static	2.10391	0.1226	<2e-16	***
Linear	-	Static	2.86651	0.12374	<2e-16	***

Complementary table for figure 6a.

- Movement mode : Typeface

Movement mode : Typeface						
<i>Pair</i>			<i>Estimate</i>	<i>Standart Error</i>	<i>Pr(> z)</i>	<i>Signif.</i>
Circular A	-	Linear A	-0.8199286	0.1238161	5.31E-10	***
Circular A	-	Static A	1.6293583	0.1623877	0.00E+00	***
Linear A	-	Static A	2.4492869	0.1617594	0.00E+00	***
Circular A	-	Circular T	-0.4594027	0.1232963	2.92E-03	**
Circular T	-	Linear T	-0.7201787	0.1238578	9.12E-08	***
Circular T	-	Static T	2.632562	0.1900523	0.00E+00	***
Linear T	-	Static T	3.3527407	0.1922636	0.00E+00	***

Complementary table for figure 6b.

- Movement mode : Font size

Movement mode : Font size						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
Circular 8	-	Linear 8	-0.831983	0.1578534	4.90E-06	***
Circular 8	-	Static 8	3.9181731	0.3388471	0.00E+00	***
Circular 8	-	Circular 10	0.6013813	0.1503161	2.27E-03	**
Circular 8	-	Circular 12	1.0079629	0.1545476	2.50E-09	***
Linear 8	-	Static 8	4.750156	0.3431898	0.00E+00	***
Linear 8	-	Linear 10	0.525565	0.1593367	3.50E-02	*
Linear 8	-	Linear 12	1.1861584	0.1579618	2.14E-12	***
Static 8	-	Static 10	-1.2364757	0.3713829	3.13E-02	*
Static 8	-	Static 12	-1.9229911	0.3523757	1.74E-06	***
Circular 10	-	Linear 10	-0.9077993	0.1521567	8.74E-08	***
Circular 10	-	Static 10	2.0803161	0.2150853	0.00E+00	***
Linear 10	-	Static 10	2.9881154	0.2162729	0.00E+00	***
Linear 10	-	Linear 12	0.6605935	0.150955	4.35E-04	***
Circular 12	-	Linear 12	-0.6537874	0.1542653	8.12E-04	***
Circular 12	-	Static 12	0.9872191	0.1832994	2.60E-06	***
Linear 12	-	Static 12	1.64101	0.1792876	0.00E+00	***

Complementary table for figure 6c.

Reading a phrase results

- Movement mode

Movement mode						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
Circular	-	Linear	-0.2433	0.1216	0.136	
Circular	-	Static	2.5428	0.1755	<2e-16	***
Linear	-	Static	2.786	0.1764	<2e-16	***

Complementary table for figure 7a.

- Movement mode : Font size

Movement mode : Font size						
Pair			Estimate	Standart Error	Pr(> z)	Signif.
Circular 8	-	Static 8	3.5379397	0.393301	0.00E+00	***
Linear 8	-	Static 8	4.1377471	0.3987568	0.00E+00	***
Linear 8	-	Linear 10	0.7114252	0.2203885	4.49E-02	*
Linear 8	-	Linear 12	1.0417941	0.2202855	8.11E-05	***
Circular 10	-	Static 10	2.8497315	0.3176647	0.00E+00	***
Linear 10	-	Static 10	2.8275139	0.3175665	0.00E+00	***
Circular 12	-	Static 12	1.5963063	0.2610804	3.49E-08	***
Linear 12	-	Static 12	1.7961963	0.2604368	1.91E-10	***

Complementary table for figure 7b.

Minimum and optimal reading font sizes selected by participants

- Movement mode

			Movement mode			
Pair			Estimate	Standart Error	Pr(> z)	Signif.
circular	-	linear	0.06842	0.02613	0.0265	*
circular	-	static	-0.34581	0.02618	<2e-16	***
linear	-	static	-0.41422	0.02619	<2e-16	***

Complementary table for figure 8b.