Results

ANOVA Bearbeitungszeit

ANOVA – Bearbeitungszeit

| Homogeneity Correction | Cases | Sum of Squares | df | Mean Square | F | p | η² | 95% CI for η² | | ω² | 95% CI for ω² | |
								Lower	Upper		Lower	Upper
Welch	Ordner	18,018	4.000	4,504.44	103.2	< .001	0.145	0.120	0.169	0.143	0.119	0.168
	Residuals	106,373	1,190.585	89.34								

Note. Type III Sum of Squares

Descriptives

Descriptives – Bearbeitungszeit

Ordner	N	Mean	SD	SE	Coefficient of variation
0	500	4.828	2.849	0.127	0.590
0.15	500	5.940	4.258	0.190	0.717
0.3	500	7.329	5.827	0.261	0.795
0.45	500	8.886	7.921	0.354	0.891
0.6	500	12.533	9.499	0.425	0.758

Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
97.93	4.000	2,495	< .001

Post Hoc Tests

Standard

Post Hoc Comparisons – Ordner

		Mean Difference	SE	df	t	Cohen's d	p_{holm}
0	0.15	−1.112	0.413	2,495	−2.694	−0.170	.007
	0.3	−2.501	0.413	2,495	−6.057	−0.383	< .001
	0.45	−4.058	0.413	2,495	−9.826	−0.621	< .001
	0.6	−7.705	0.413	2,495	−18.657	−1.180	< .001
0.15	0.3	−1.389	0.413	2,495	−3.363	−0.213	.002
	0.45	−2.946	0.413	2,495	−7.133	−0.451	< .001
	0.6	−6.592	0.413	2,495	−15.963	−1.010	< .001
0.3	0.45	−1.557	0.413	2,495	−3.770	−0.238	< .001
	0.6	−5.203	0.413	2,495	−12.600	−0.797	< .001
0.45	0.6	−3.647	0.413	2,495	−8.830	−0.558	< .001

Note. P-value adjusted for comparing a family of 10 estimates.

Games-Howell

Games-Howell Post Hoc Comparisons – Ordner

Comparison	Mean Difference	SE	t	df	p_{tukey}
0 – 0.15	−1.112	0.229	−4.855	871.2	< .001
0 – 0.3	−2.501	0.290	−8.623	724.7	< .001
0 – 0.45	−4.058	0.376	−10.779	626.0	< .001
0 – 0.6	−7.705	0.443	−17.373	588.1	< .001
0.15 – 0.3	−1.389	0.323	−4.303	913.7	< .001
0.15 – 0.45	−2.946	0.402	−7.324	765.2	< .001
0.15 – 0.6	−6.592	0.466	−14.161	691.8	< .001
0.3 – 0.45	−1.557	0.440	−3.540	916.7	.004
0.3 – 0.6	−5.203	0.498	−10.441	828.0	< .001
0.45 – 0.6	−3.647	0.553	−6.593	966.8	< .001

Note. Results based on uncorrected means.

ANOVA Nacharbeitszeit

ANOVA – Nacharbeitszeit

Homogeneity Correction	Cases	Sum of Squares	df	Mean Square	F	p	η^2	95% CI for η^2 Lower	95% CI for η^2 Upper	ω^2	95% CI for ω^2 Lower	95% CI for ω^2 Upper
Welch	Ordner	1,145	4.000	286.32	14.72	< .001	0.020	0.010	0.031	0.019	0.008	0.029
	Residuals	55,871	1,219.525	45.81								

Note. Type III Sum of Squares

Descriptives

Descriptives – Nacharbeitszeit

Ordner	N	Mean	SD	SE	Coefficient of variation
0	500	0.833	2.797	0.125	3.357
0.15	500	1.200	3.176	0.142	2.647
0.3	500	1.764	4.334	0.194	2.457
0.45	500	2.383	6.376	0.285	2.676
0.6	500	2.614	5.883	0.263	2.250

Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
42.72	4.000	2,495	< .001

Post Hoc Tests

Standard

Post Hoc Comparisons – Ordner

		Mean Difference	SE	df	t	Cohen's d	p_{holm}
0	0.15	−0.367	0.299	2,495	−1.226	−0.078	.441
	0.3	−0.931	0.299	2,495	−3.111	−0.197	.011
	0.45	−1.550	0.299	2,495	−5.178	−0.327	< .001
	0.6	−1.781	0.299	2,495	−5.952	−0.376	< .001
0.15	0.3	−0.564	0.299	2,495	−1.885	−0.119	.179
	0.45	−1.183	0.299	2,495	−3.952	−0.250	< .001
	0.6	−1.414	0.299	2,495	−4.726	−0.299	< .001
0.3	0.45	−0.619	0.299	2,495	−2.067	−0.131	.155
	0.6	−0.850	0.299	2,495	−2.841	−0.180	.023
0.45	0.6	−0.232	0.299	2,495	−0.774	−0.049	.441

Note. P-value adjusted for comparing a family of 10 estimates.

Games-Howell

Games-Howell Post Hoc Comparisons – Ordner

Comparison	Mean Difference	SE	t	df	p_{tukey}
0 – 0.15	−0.367	0.189	−1.939	982.3	.297
0 – 0.3	−0.931	0.231	−4.036	853.1	< .001
0 – 0.45	−1.550	0.311	−4.977	684.2	< .001
0 – 0.6	−1.781	0.291	−6.115	713.6	< .001
0.15 – 0.3	−0.564	0.240	−2.348	915.0	.131
0.15 – 0.45	−1.183	0.319	−3.713	732.3	.002
0.15 – 0.6	−1.414	0.299	−4.730	767.1	< .001
0.3 – 0.45	−0.619	0.345	−1.794	879.0	.378
0.3 – 0.6	−0.850	0.327	−2.602	917.4	.071
0.45 – 0.6	−0.232	0.388	−0.597	991.6	.976

Note. Results based on uncorrected means.

ANOVA Fehler

ANOVA – Fehler

Homogeneity Correction	Cases	Sum of Squares	df	Mean Square	F	p	η^2	95% CI for η^2		ω^2	95% CI for ω^2	
								Lower	Upper		Lower	Upper
Welch	Ordner	4.176	4.000	1.044	NaN	NaN	0.024	0.012	0.036	0.022	0.011	0.034
	Residuals	171.384	NaN	NaN								

Note. The Welch correction could not be computed because 'Fehler' has zero variance after grouping on the following level(s) of 'Ordner': 0
Note. Type III Sum of Squares

Descriptives

Descriptives – Fehler

Ordner	N	Mean	SD	SE	Coefficient of variation
0	500	0.000	0.000	0.000	NaN
0.15	500	0.066	0.249	0.011	3.766
0.3	500	0.102	0.303	0.014	2.970
0.45	500	0.106	0.308	0.014	2.907
0.6	500	0.106	0.308	0.014	2.907

Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
74.71	4.000	2,495	< .001

Post Hoc Tests

Standard

Post Hoc Comparisons – Ordner

		Mean Difference	SE	df	t	Cohen's d	p_{holm}
0	0.15	−0.066	0.017	2,495	−3.982	−0.252	< .001
	0.3	−0.102	0.017	2,495	−6.153	−0.389	< .001
	0.45	−0.106	0.017	2,495	−6.395	−0.404	< .001
	0.6	−0.106	0.017	2,495	−6.395	−0.404	< .001
0.15	0.3	−0.036	0.017	2,495	−2.172	−0.137	.120
	0.45	−0.040	0.017	2,495	−2.413	−0.153	.095
	0.6	−0.040	0.017	2,495	−2.413	−0.153	.095
0.3	0.45	−0.004	0.017	2,495	−0.241	−0.015	1.000
	0.6	−0.004	0.017	2,495	−0.241	−0.015	1.000
0.45	0.6	-6.363×10^{-15}	0.017	2,495	-3.839×10^{-13}	-2.409×10^{-14}	1.000

Note. P-value adjusted for comparing a family of 10 estimates.

Games-Howell

Games-Howell Post Hoc Comparisons – Ordner

Comparison	Mean Difference	SE	t	df	p_{tukey}
0 – 0.15	−0.066	0.011	−5.938	499.0	< .001
0 – 0.3	−0.102	0.014	−7.529	499.0	< .001
0 – 0.45	−0.106	0.014	−7.692	499.0	< .001
0 – 0.6	−0.106	0.014	−7.692	499.0	< .001
0.15 – 0.3	−0.036	0.018	−2.054	961.3	.241
0.15 – 0.45	−0.040	0.018	−2.259	955.2	.159
0.15 – 0.6	−0.040	0.018	−2.259	955.2	.159
0.3 – 0.45	−0.004	0.019	−0.207	997.7	.000
0.3 – 0.6	−0.004	0.019	−0.207	997.7	.000
0.45 – 0.6	-4.441×10^{-16}	0.019	-2.279×10^{-14}	998.0	1.000

Note. Results based on uncorrected means.

ANOVA STP

| Homogeneity Correction | Cases | Sum of Squares | df | Mean Square | F | p | η² | 95% CI for η² | | ω² | 95% CI for ω² | |
								Lower	Upper		Lower	Upper
Welch	Ordner	5.732	4.000	1.433	11.67	< .001	0.015	0.006	0.025	0.014	0.005	0.023
	Residuals	372.778	1,241.918	0.300								

Note. Type III Sum of Squares

Descriptives

Descriptives – STP

Ordner	N	Mean	SD	SE	Coefficient of variation
0	500	0.896	0.306	0.014	0.341
0.15	500	0.834	0.372	0.017	0.447
0.3	500	0.790	0.408	0.018	0.516
0.45	500	0.794	0.405	0.018	0.510
0.6	500	0.756	0.430	0.019	0.569

Assumption Checks

Test for Equality of Variances (Levene's)

F	df1	df2	p
44.25	4.000	2,495	< .001

Post Hoc Tests

Standard

Post Hoc Comparisons – Ordner

		Mean Difference	SE	df	t	Cohen's d	p_{holm}
0	0.15	0.062	0.024	2,495	2.536	0.160	.068
	0.3	0.106	0.024	2,495	4.336	0.274	< .001
	0.45	0.102	0.024	2,495	4.172	0.264	< .001
	0.6	0.140	0.024	2,495	5.727	0.362	< .001
0.15	0.3	0.044	0.024	2,495	1.800	0.114	.360
	0.45	0.040	0.024	2,495	1.636	0.103	.408
	0.6	0.078	0.024	2,495	3.191	0.202	.010
0.3	0.45	−0.004	0.024	2,495	−0.164	−0.010	.870
	0.6	0.034	0.024	2,495	1.391	0.088	.408
0.45	0.6	0.038	0.024	2,495	1.554	0.098	.408

Note. P-value adjusted for comparing a family of 10 estimates.

Games-Howell

Games-Howell Post Hoc Comparisons – Ordner

Comparison	Mean Difference	SE	t	df	p_{tukey}
0 – 0.15	0.062	0.022	2.878	961.3	.033
0 – 0.3	0.106	0.023	4.652	925.1	< .001
0 – 0.45	0.102	0.023	4.497	928.2	< .001
0 – 0.6	0.140	0.024	5.935	900.7	< .001
0.15 – 0.3	0.044	0.025	1.782	989.9	.385
0.15 – 0.45	0.040	0.025	1.626	991.1	.481
0.15 – 0.6	0.078	0.025	3.066	978.1	.019
0.3 – 0.45	−0.004	0.026	−0.156	997.9	.000
0.3 – 0.6	0.034	0.026	1.283	995.2	.702
0.45 – 0.6	0.038	0.026	1.439	994.4	.603

Note. Results based on uncorrected means.