

Dependent variable	Distraction manipulation	Age group	<i>Mean</i>	<i>SD</i>	N	Univariate contrast	<i>Mean difference</i>	<i>SE</i>	<i>F</i>	<i>p</i>
Originality Score	Control	Young	2.95	.47	44	Young vs. older	-.10	.13	.53	.467
		Older	3.05	.68	23					
	Ignore	Young	3.24	.41	40	Young vs. older	-.26	.13	3.96	.049
		Older	3.50	.59	25					
	Total	Young	3.09	.46	84	Control vs. ignore	-.29	.11	6.43	.012
		Older	3.29	.67	48	Control vs. ignore	-.45	.15	9.15	.003
Creativity score (% of creative uses from a participant's list of uses)	Control	Young	.36	.25	44	Young vs. older	.03	.07	.15	.698
		Older	.33	.32	23					
	Ignore	Young	.43	.21	40	Young vs. older	-.16	.07	5.01	.027
		Older	.59	.38	25					
	Total	Young	.39	.23	84	Control vs. ignore	-.07	.06	1.33	.252
		Older	.46	.37	48	Control vs. ignore	-.26	.08	10.19	.002

Table S1 *Results of distraction x age group comparisons from Study 1.*

Dependent variable	Distraction manipulation	Age group	Mean	SD	N	Univariate contrast	Mean difference	SE	F	p
Creativity scores index (sum of 3 z-scored items)	Control	Young	.25	2.15	48	Young vs. older	.47	.39	1.41	.236
		Older	-.22	2.05	64					
	Ignore	Young	-.37	2.22	49	Young vs. older	-.71	.40	3.18	.076
		Older	.35	1.82	57					
	Total	Young	-.06	2.20	97	Control vs. ignore	.62	.42	2.18	.141
		Older	.05	1.96	121	Control vs. ignore	-.57	.37	2.27	.133
Fluency (# of uses)	Control	Young	6.90	2.66	48	Young vs. older	.04	.56	.004	.948
		Older	6.86	2.56	64					
	Ignore	Young	7.29	4.12	49	Young vs. older	.22	.57	.14	.705
		Older	7.07	2.18	57					
	Total	Young	7.09	3.46	97	Control vs. ignore	-.39	.59	.43	.512
		Older	6.96	2.38	121	Control vs. ignore	-.21	.53	.16	.692
Flexibility (# of categories of uses)	Control	Young	2.92	1.05	48	Young vs. older	.09	.19	.22	.644
		Older	2.83	1.00	64					
	Ignore	Young	2.71	.98	49	Young vs. older	-.50	.20	6.48	.012
		Older	3.21	.98	57					
	Total	Young	2.81	1.01	97	Control vs. ignore	.20	.20	.99	.320
		Older	3.01	1.00	121	Control vs. ignore	-.38	.18	4.40	.037
Originality (statistical infrequency)	Control	Young	1.31	1.48	48	Young vs. older	.45	.23	3.77	.053
		Older	.86	1.30	64					
	Ignore	Young	.63	.95	49	Young vs. older	-.37	.24	2.38	.124
		Older	1.00	1.10	57					
	Total	Young	.97	1.28	97	Control vs. ignore	.68	.25	7.51	.007
		Older	.93	1.21	121	Control vs. ignore	-.14	.22	.40	.528
Creativity score (% of creative uses from a participant's list of uses)	Control	Young	.19	.17	48	Young vs. older	.02	.03	.21	.646
		Older	.18	.17	64					
	Ignore	Young	.14	.17	49	Young vs. older	-.07	.03	4.71	.031
		Older	.21	.16	57					
	Total	Young	.17	.17	97	Control vs. ignore	.06	.03	2.61	.108
		Older	.19	.16	121	Control vs. ignore	-.03	.03	1.00	.318

Table S2 *Results of distraction x age group comparisons from Study 2.*