

Supplementary Material

Survey

Telepresence: (5-point Likert scale: 1 Strongly disagree, 2 Disagree, 3 Neither agree nor disagree, 4 Agree, 5 Strongly agree)

1. During the exercise, I felt like I was inside the world created by the computer.
2. During the computer exercise, I forgot that I was in the middle of an experiment.
3. During the computer exercise, my body was in the room but my mind was inside the world created during the experiment.
4. The computer-generated world looked like something I was visiting rather than something I was seeing.
5. I felt like I was inside the computer-generated world rather than surrounded by the real world while performing the computer experiment.
6. I forgot about my immediate surroundings while doing the computer exercise.
7. When the computer exercise ended, I felt like I had returned to the "real world" after a trip.

AFFORDANCE (5-point Likert scale: 1. Not at all, 2. A little, 3. Somewhat, 4. A lot, 5. Very much)

1. Are you familiar with the tool being used?
2. Did the proposed interaction seem simple/intuitive to you?
3. Was moving through the spaces simple/intuitive?
4. How easy did you find it to interact with objects in the environment?
5. Did I find it easy to adapt to the proposed way of interacting?

PERCEPTIVE AND COGNITIVE ERGONOMICS (5-point Likert scale: 1. Not at all, 2. A little, 3. Somewhat, 4. A lot, 5. Very much)

1. How understandable were the instructions?
2. Did you find it difficult to settle into virtual reality?
3. Did you perceive being placed in an immersive virtual environment as disturbing?
4. Did you perceive being placed in an immersive virtual environment as pleasant?
5. Did you perceive being placed in an immersive virtual environment as tiring?
6. Did you find it easy to follow the narrator's voice (Leonardo's) explaining the path?

7. Did you feel disoriented within the virtual environment?

GSE: General self-efficacy (5-point Likert scale: 1 Strongly disagree, 2 Disagree, 3 Neither agree nor disagree, 4 Agree, 5 Strongly agree)

1. I can always manage to solve difficult problems if I try hard enough.
2. If someone opposes me, I can find the means and ways to get what I want.
3. It is easy for me to stick to my aims and accomplish my goals.
4. I am confident that I could deal efficiently with unexpected events.
5. Thanks to my resourcefulness, I know how to handle unforeseen situations.
6. I can solve most problems if I invest the necessary effort.
7. I can remain calm when facing difficulties because I can rely on my coping abilities.
8. When I am confronted with a problem, I can usually find several solutions.
9. If I am in trouble, I can usually think of a solution.
10. I can usually handle whatever comes my way.

Descriptive statistics

Summary Statistics

Variable	N	Mean	Std. Dev.	Min	Pctl. 25	Pctl. 75	Max
TELE1	35	4.257	0.95	2	4	5	5
TELE2	35	3.686	0.993	1	3	4	5
TELE3	35	4.314	0.932	2	4	5	5
TELE4	35	3.971	0.857	2	3	5	5
TELE5	35	3.743	1.146	1	3	5	5
TELE6	35	4.2	1.106	1	4	5	5
TELE7	35	4.114	0.993	1	4	5	5
AFFO1	35	2.486	1.337	1	1	3	5
AFFO2	35	4.257	0.701	3	4	5	5
AFFO3	35	4.229	0.808	2	4	5	5
AFFO4	35	3.857	0.912	1	3	4	5
AFFO5	35	4.114	0.832	2	4	5	5
ERGO1	35	4.457	0.611	3	4	5	5
ERGO2	35	2.029	0.954	1	1	2	4
ERGO3	35	1.829	0.923	1	1	2	4
ERGO4	35	4.171	0.747	2	4	5	5
ERGO5	35	1.829	0.923	1	1	2	4
ERGO6	35	3.829	1.098	1	3	5	5
ERGO7	35	2.143	1.167	1	1	3	5
GSE1	35	3.971	0.707	3	3.5	4	5
GSE2	35	3.629	0.843	1	3	4	5
GSE3	35	3.6	1.035	1	3	4	5
GSE4	35	3.314	0.9	1	3	4	5
GSE5	35	3.486	0.742	2	3	4	5
GSE6	35	3.971	0.618	3	4	4	5
GSE7	35	3.657	1.027	1	3	4	5
GSE8	35	3.314	0.867	1	3	4	5
GSE9	35	3.514	0.742	1	3	4	4
GSE10	35	3.4	0.881	1	3	4	5

TELE= Telepresence

AFFO=Affordance

ERGO=Ergonomics

GSE= General self-efficacy

[illegible]

Reliability analysis

Call: psych::alpha(x = data[, 4:32])

raw_alpha	std.alpha	G6(smc)	average_r	S/N	ase	mean	sd	median_r
0.71	0.73	0.96	0.086	2.7	0.071	3.6	0.3	0.088

lower	alpha	upper	95% confidence boundaries
0.57	0.71	0.84	

Reliability if an item is dropped:

	raw_alpha	std.alpha	G6(smc)	average_r	S/N	alpha	se	var.r	med.r
TELE1	0.71	0.73	0.96	0.090	2.8	0.070	0.053	0.090	
TELE2	0.70	0.72	0.95	0.085	2.6	0.073	0.054	0.086	
TELE3	0.69	0.72	0.96	0.082	2.5	0.076	0.053	0.081	
TELE4	0.69	0.71	0.95	0.082	2.5	0.076	0.053	0.086	
TELE5	0.70	0.73	0.96	0.088	2.7	0.071	0.054	0.090	
TELE6	0.68	0.71	0.95	0.081	2.5	0.078	0.052	0.086	
TELE7	0.71	0.74	0.96	0.092	2.8	0.069	0.053	0.092	
AFFO1	0.73	0.74	0.96	0.094	2.9	0.064	0.053	0.092	
AFFO2	0.70	0.73	0.95	0.087	2.7	0.071	0.052	0.089	
AFFO3	0.71	0.73	0.96	0.089	2.8	0.070	0.050	0.089	
AFFO4	0.70	0.72	0.96	0.085	2.6	0.072	0.051	0.087	
AFFO5	0.71	0.74	0.96	0.091	2.8	0.069	0.050	0.089	
ERGO1	0.70	0.73	0.96	0.088	2.7	0.071	0.052	0.089	
ERGO2	0.71	0.74	0.95	0.093	2.9	0.069	0.051	0.087	
ERGO3	0.71	0.74	0.96	0.093	2.9	0.069	0.051	0.092	
ERGO4	0.72	0.74	0.95	0.094	2.9	0.069	0.051	0.090	
ERGO5	0.71	0.74	0.96	0.092	2.8	0.069	0.052	0.090	
ERGO6	0.71	0.73	0.96	0.088	2.7	0.071	0.053	0.089	
ERGO7	0.72	0.74	0.96	0.094	2.9	0.066	0.052	0.093	
GSE1	0.69	0.72	0.96	0.083	2.5	0.074	0.051	0.087	
GSE2	0.69	0.72	0.95	0.084	2.6	0.074	0.052	0.087	
GSE3	0.68	0.71	0.95	0.081	2.5	0.077	0.052	0.086	
GSE4	0.67	0.70	0.95	0.078	2.4	0.079	0.049	0.087	
GSE5	0.69	0.71	0.95	0.081	2.5	0.076	0.050	0.086	
GSE6	0.69	0.71	0.95	0.080	2.4	0.075	0.053	0.086	
GSE7	0.68	0.71	0.96	0.080	2.4	0.077	0.051	0.086	

GSE8	0.68	0.71	0.96	0.079	2.4	0.078	0.051	0.086
GSE9	0.68	0.71	0.95	0.080	2.4	0.077	0.050	0.086
GSE10	0.69	0.72	0.95	0.084	2.6	0.075	0.051	0.087

Item statistics

	n	raw.r	std.r	r.cor	r.drop	mean	sd
TELE1	35	0.206	0.198	0.182	0.0999	4.3	0.95
TELE2	35	0.380	0.375	0.372	0.2775	3.7	0.99
TELE3	35	0.501	0.488	0.478	0.4152	4.3	0.93
TELE4	35	0.508	0.511	0.514	0.4300	4.0	0.86
TELE5	35	0.304	0.267	0.241	0.1793	3.7	1.15
TELE6	35	0.565	0.558	0.561	0.4704	4.2	1.11
TELE7	35	0.170	0.123	0.107	0.0578	4.1	0.99
AFFO1	35	0.069	0.045	0.022	-0.0824	2.5	1.34
AFFO2	35	0.246	0.295	0.292	0.1694	4.3	0.70
AFFO3	35	0.178	0.217	0.211	0.0872	4.2	0.81
AFFO4	35	0.332	0.368	0.364	0.2358	3.9	0.91
AFFO5	35	0.126	0.155	0.144	0.0322	4.1	0.83
ERGO1	35	0.213	0.257	0.238	0.1459	4.5	0.61
ERGO2	35	0.114	0.092	0.083	0.0058	2.0	0.95
ERGO3	35	0.131	0.102	0.093	0.0264	1.8	0.92
ERGO4	35	0.026	0.054	0.051	-0.0589	4.2	0.75
ERGO5	35	0.160	0.113	0.104	0.0558	1.8	0.92
ERGO6	35	0.274	0.273	0.268	0.1538	3.8	1.10
ERGO7	35	0.089	0.054	0.033	-0.0434	2.1	1.17
GSE1	35	0.422	0.461	0.459	0.3529	4.0	0.71
GSE2	35	0.419	0.441	0.441	0.3352	3.6	0.84
GSE3	35	0.552	0.536	0.534	0.4623	3.6	1.03
GSE4	35	0.634	0.639	0.646	0.5662	3.3	0.90
GSE5	35	0.524	0.558	0.563	0.4592	3.5	0.74
GSE6	35	0.553	0.588	0.591	0.5014	4.0	0.62
GSE7	35	0.550	0.562	0.559	0.4610	3.7	1.03
GSE8	35	0.612	0.606	0.602	0.5444	3.3	0.87
GSE9	35	0.604	0.590	0.588	0.5458	3.5	0.74
GSE10	35	0.435	0.421	0.418	0.3484	3.4	0.88

Non missing response frequency for each item

	1	2	3	4	5	miss
TELE1	0.00	0.09	0.09	0.31	0.51	0

TELE2	0.03	0.09	0.26	0.43	0.20	0
TELE3	0.00	0.06	0.14	0.23	0.57	0
TELE4	0.00	0.03	0.29	0.37	0.31	0
TELE5	0.06	0.09	0.20	0.37	0.29	0
TELE6	0.03	0.09	0.09	0.26	0.54	0
TELE7	0.03	0.03	0.17	0.34	0.43	0
AFFO1	0.34	0.14	0.29	0.14	0.09	0
AFFO2	0.00	0.00	0.14	0.46	0.40	0
AFFO3	0.00	0.03	0.14	0.40	0.43	0
AFFO4	0.03	0.03	0.23	0.49	0.23	0
AFFO5	0.00	0.06	0.11	0.49	0.34	0
ERGO1	0.00	0.00	0.06	0.43	0.51	0
ERGO2	0.31	0.46	0.11	0.11	0.00	0
ERGO3	0.46	0.31	0.17	0.06	0.00	0
ERGO4	0.00	0.03	0.11	0.51	0.34	0
ERGO5	0.46	0.31	0.17	0.06	0.00	0
ERGO6	0.06	0.03	0.26	0.34	0.31	0
ERGO7	0.37	0.31	0.14	0.14	0.03	0
GSE1	0.00	0.00	0.26	0.51	0.23	0
GSE2	0.03	0.06	0.26	0.57	0.09	0
GSE3	0.06	0.09	0.20	0.51	0.14	0
GSE4	0.03	0.17	0.29	0.49	0.03	0
GSE5	0.00	0.09	0.40	0.46	0.06	0
GSE6	0.00	0.00	0.20	0.63	0.17	0
GSE7	0.06	0.06	0.23	0.49	0.17	0
GSE8	0.03	0.14	0.34	0.46	0.03	0
GSE9	0.03	0.06	0.29	0.63	0.00	0
GSE10	0.03	0.11	0.34	0.46	0.06	0