Annex B. Results from the statistical analysis

Table 1. Variables significantly affecting the emotional welfare of the participants during the COVID-19 crisis in the four mean countries. Mean and standard deviation (SD) of the 'Overall emotional well-being' indicator. Different letters within the same factor indicate significant differences between the options. Overall values for all the countries are presented in the main document (Table 6).

		Spain				Brazil			
Factor	Options	N	Mean	SD	F; p	N	Mean	SD	F; p
Being directly affected by the COVID-19	Yes	149	12.42	2.7 a	F= 14.62; p<0.001	305	13.69	2.7 a	F= 75.82; p<0.001
	No	676	11.54	2.5 b		940	12.16	2.7 b	
Age group	18-25	157	12.57	2.6 a	F= 11.93; p<0.001	214	13.72	2.8 a	F= 43.04; p<0.001
	26-40	277	11.76	2.6 ab		353	13.21	2.7 a	
	41-65	357	11.41	2.4 b		598	11.91	2.5 b	
	66+	34	10.21	2.4 c		80	11.01	2.7 c	
Receiving natural light indoors	Not at all / Little	93	12.29	2.3 a	F=10.46; p<0.001	223	13.16	2.7 a	F=8.46; p<0.001
	Some	166	12.4	2.5 a		513	12.6	2.7 ab	
	Quite a lot	370	11.57	2.6 b		396	12.34	2.8 b	
	A lot	196	11.07	2.4 b		113	11.67	2.6 c	
Frequency of visiting green spaces prior to the crisis	Daily	241	11.29	2.5 a	F=3.21; p=0.022	326	12.07	2.7 a	F=8.32; p<0.001
	Weekly	406	11.80	2.5 a		422	12.38	2.6 ab	
	Monthly	113	12.06	2.8 a		194	13.15	2.7 c	
	Less than once per month	65	11.92	2.4 a		303	12.85	2.9 bc	
Size of the house	< 40 m2	12	12.92	2.1 a	F=4.0; p=0.003	93	12.90	2.9 a	F=6.6; p<0.001
	40-70 m2	145	12.23	2.8 ab		288	13.06	2.8 a	
	70-100 m2	276	11.78	2.6 ab		264	12.69	2.7 ab	
	100-130 m2	185	11.54	2.6 ab		233	12.32	2.7 ab	
	> 130 m2	207	11.28	2.2 b		367	12.05	2.6 b	

Gender	Female	477	12.17	2.6 a	F= 43.42; p<0.001	845	12.77	2.8 a	F= 20.88; p<0.001
	Male	339	11.00	2.4 b		397	12.02	2.6 b	
Number of plants indoors	0	197	11.83	2.7 a	n.s.	376	12.90	2.8 a	F=3.33; p=0.01
	1-3	306	11.9	2.5 a		378	12.52	2.7 ab	
	4-7	160	11.56	2.3 a		216	12.38	2.6 ab	
	8-10	66	11.24	3.0 a		80	11.91	2.7 b	
	>10	96	11.32	2.5 a		195	12.28	2.8 ab	

		Greece				Italy			
Factor	Options	N	Mean	SD	F; p	N	Mean	SD	F; p
Being directly affected by the COVID-19	Yes	52	13.46	2.8 a	F= 6.82; p=0.009	66	13.56	2.5 a	F= 9.81; p=0.002
	No	948	12.48	2.6 b		331	12.55	2.4 b	
Age group	18-25	226	12.74	2.7 a	F= 2.78; p=0.04	37	13.05	2.4 a	n.s.
	26-40	393	12.69	2.7 a		215	12.8	2.3 a	
	41-65	355	12.26	2.6 a		118	12.68	2.5 a	
	66+	26	11.88	2.3 a		27	11.81	2.6 a	
Receiving natural light indoors	Not at all / Little	161	13.1	2.5 a	F=6.86; p<0.001	23	13.13	2.7 a	n.s.
	Some	390	12.75	2.8 ab		37	13.16	2.1 a	
	Quite a lot	278	12.19	2.5 b		141	12.99	2.6 a	
	A lot	171	12.05	2.6 bc		196	12.39	2.3 a	
Frequency of visiting green spaces prior to the crisis	Daily	266	12.26	2.7 a	n.s.	86	12.41	2.4 a	n.s.
	Weekly	458	12.58	2.6 a		203	12.77	2.5 a	
	Monthly	154	12.81	2.7 a		61	12.79	2.1 a	
	Less than once per month	121	12.58	2.9 a		47	12.96	2.7 a	
Size of the house	< 40 m2	46	12.7	2.5 a	n.s.	12	14.67	1.9 a	F=2.4; p=0.05
	40-70 m2	206	12.74	2.6 a		97	12.54	2.2 b	
	70-100 m2	397	12.58	2.6 a		115	12.72	2.3 b	
	100-130 m2	239	12.56	2.8 a		102	12.84	2.7 b	
	> 130 m2	112	11.83	2.7 a		71	12.45	2.5 b	

Gender	Female	338	11.83	2.6 b	F= 34.9; p<0.001	262	12.77	2.4 a	n.s.	
	Male	654	12.86	2.6 a		133	12.60	2.4 a		
Number of plants indoors	0	298	12.47	2.7 a	n.s.	88	12.61	2.4 a	n.s.	
	1-3	414	12.69	2.6 a		158	12.78	2.4 a		
	4-7	176	12.6	2.7 a		76	12.82	2.3 a		
	8-10	47	12.04	2.4 a		39	13.15	2.9 a		
	>10	65	11.89	2.8 a		36	12.00	2.5 a		

Table 2. Relations between the change of motivation about plants after the period of confinement and several independent variables.

	All Data		Spain		Brazil		Greece		Italy	
Independent variable	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value
Gender	1.01	ns	0.73	ns	1.05	ns	1.55	**0.006**	0.87	ns
Age	0.76	**<0,001**	0.78	**0.017**	0.78	**0.005**	0.73	**0.001**	0.90	ns
Weeks of confinement	1.01	ns	1.04	ns	0.95	ns	1.01	ns	0.99	ns
Type of settlement living in	0.99	ns	0.99	ns	1.00	ns	0.98	ns	0.93	ns
Household income	1.01	ns	1.33	ns	1.22	ns	1.04	ns	1.07	ns
Being directly affected by the COVID-19	1.03	ns	1.18	ns	1.17	ns	1.29	ns	0.44	**0.012**
Type of house	1.02	ns	0.87	ns	1.03	ns	0.92	ns	1.05	ns
House size	0.97	ns	0.98	ns	0.95	ns	1.02	ns	1.02	ns
Receiving sunlight indoors	1.10	**0.009**	0.94	ns	1.09	ns	0.94	ns	0.89	ns
Number of plants outdoors	0.59	**<0,001**	0.67	ns	0.55	**<0,001**	0.37	**<0,001**	0.78	ns
Number of plants indoors	0.63	**<0,001**	0.51	**0.001**	0.69	**0.022**	0.52	**<0,001**	0.95	ns
Interest in gardening	1.14	**<0,001**	1.19	**0.041**	1.26	**0.003**	1.10	ns	1.23	ns
Frequency visiting green spaces	0.92	**0.020**	0.92	ns	1.09	ns	0.88	ns	0.93	ns
Necessity of green spaces	1.15	**0.008**	1.01	ns	1.52	**0.001**	1.16	ns	1.56	**0.019**
More time spent caring for plants	3.34	**<0,001**	5.00	**<0,001**	3.23	**<0,001**	4.66	**<0,001**	3.86	**<0,001**

Psychological influence of indoor vegetation	1.87	**<0,001**	2.38	**<0,001**	2.00	**0.009**	1.69	**0.004**	2.24	**0.003**
Overall emotional well-being	1.06	**<0,001**	1.02	ns	1.10	**<0,001**	1.03	ns	1.03	ns

An Exp(B) > 1 indicates that for larger values of the independent variable there is high probability to change motivation about plants

An Exp(B) < 1 indicates that for larger values of the independent variable there is a small probability to change motivation about plants

Table 3. Relations between the preference for more plants during confinement and several independent variables.

	All Data		Spain		Brazil		Greece		Italy	
Independent variable	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value	Exp(B)	p-value
Gender	1.07	ns	1.11	ns	0.85	ns	1.19	ns	0.79	ns
Age	0.90	**0.025**	0.90	ns	0.79	**0.014**	0.98	ns	0.84	ns
Weeks of confinement	0.93	**0.03**	0.85	**0.044**	0.89	ns	0.98	ns	1.16	ns
Type of settlement living in	0.90	**<0,001**	0.86	**0.027**	0.99	ns	1.07	ns	0.90	ns
Household income	1.05	ns	1.69	**0.013**	0.96	ns	0.84	ns	1.96	**0.012**
Being directly affected by the COVID-19	1.16	ns	1.33	ns	1.20	ns	1.42	ns	0.86	ns
Type of house	1.07	ns	1.33	ns	1.38	ns	1.35	ns	1.58	ns
House size	0.91	**0.006**	1.02	ns	0.86	**0.014**	0.92	ns	0.88	ns
Receiving sunlight indoors	0.85	**<0,001**	0.84	ns	0.95	ns	0.83	**0.017**	0.90	ns
Number of plants outdoors	0.66	**<0,001**	0.63	**0.032**	0.77	ns	0.91	ns	0.62	ns
Number of plants indoors	0.53	**<0,001**	0.43	**<0,001**	0.59	**0.002**	0.51	**<0,001**	0.41	**<0,001**
Interest in gardening	1.43	**<0,001**	1.50	**<0,001**	1.56	**<0,001**	1.22	**0.003**	1.27	ns
Frequency visiting green spaces	0.96	ns	0.88	ns	0.90	ns	1.05	ns	0.89	ns
Necessity of green spaces	1.35	**<0,001**	1.27	**0.015**	1.91	**<0,001**	1.35	**0.015**	1.23	ns
More time spent caring for plants	2.08	**<0,001**	2.38	**<0,001**	1.89	**<0,001**	2.66	**<0,001**	1.42	ns
Psychological influence of indoor vegetation	3.77	**<0,001**	3.27	**<0,001**	2.94	**<0,001**	3.82	**<0,001**	4.50	**<0,001**
Overall emotional well-being	1.04	**0.002**	1.02	ns	1.06	**0.046**	1.04	ns	0.97	ns

An Exp(B) > 1 indicates that for larger values of the independent variable there is high probability to prefer more plants during confinement

An Exp(B) < 1 indicates that for larger values of the independent variable there is a small probability to prefer more plants during confinement