

APPENDIX 3: Data screening

Table A3.1 Descriptive statistics for connection with nature (CN) variables, by concept of nature category ($n = 2975$)[†].

	Concept of nature category	n	m (95% CI)	SD	Skewness (SE)	Kurtosis (SE)
CN-12 total score	Descriptive	2226	5.19 (5.15, 5.23)	0.98	-0.15 (0.05)	-0.52 (0.10)
	Normative	55	5.47 (5.20, 5.73)	0.99	-0.43 (0.32)	-0.97 (0.63)
	Experiential	110	5.67 (5.51, 5.83)	0.85	-0.31 (0.23)	-0.28 (0.46)
	Complex	584	5.53 (5.45, 5.60)	0.87	-0.40 (0.10)	-0.22 (0.20)
CN-12 identity dimension	Descriptive	2226	4.73 (4.68, 4.78)	1.22	-0.16 (0.05)	-0.28 (0.10)
	Normative	55	5.19 (4.89, 5.50)	1.13	-0.28 (0.32)	-0.94 (0.63)
	Experiential	110	5.35 (5.17, 5.53)	0.98	-0.06 (0.23)	-0.38 (0.46)
	Complex	584	5.10 (5.01, 5.19)	1.11	-0.38 (0.10)	-0.16 (0.20)
CN-12 experience dimension	Descriptive	2226	5.30 (5.26, 5.34)	1.06	-0.35 (0.05)	-0.25 (0.10)
	Normative	55	5.49 (5.22, 5.75)	0.98	-0.32 (0.32)	-0.99 (0.63)
	Experiential	110	5.75 (5.58, 5.93)	0.92	-0.60 (0.23)	-0.06 (0.46)
	Complex	584	5.63 (5.55, 5.71)	0.94	-0.55 (0.10)	0.14 (0.20)
CN-12 philosophy dimension	Descriptive	2226	5.63 (5.58, 5.67)	1.01	-0.48 (0.05)	-0.30 (0.10)
	Normative	55	5.79 (5.47, 6.12)	1.20	-0.82 (0.32)	-0.39 (0.63)
	Experiential	110	5.95 (5.76, 6.13)	0.96	-0.84 (0.23)	0.42 (0.46)
	Complex	584	5.92 (5.85, 5.99)	0.89	-0.83 (0.10)	0.66 (0.20)

[†] $n = 42$ outliers removed; $n = 78$ mentioned none of the concepts of nature categories
 m = mean; CI = confidence interval; SD = standard deviation; SE = standard error

Table A3.2 Levene's test of homogeneity of variances for connection with nature scores (CN-12: total and dimensions).

		Levene statistic	<i>df</i> 1	<i>df</i> 2	<i>p</i>
CN-12 total score	Based on Mean	7.167	3	2971	< 0.000
	Based on Median	6.764	3	2971	< 0.000
	Based on Median and with adjusted <i>df</i>	6.764	3	2948.794	< 0.000
	Based on trimmed mean	7.135	3	2971	< 0.000
CN-12 identity dimension	Based on Mean	3.886	3	2971	0.009
	Based on Median	3.948	3	2971	0.008
	Based on Median and with adjusted <i>df</i>	3.948	3	2947.946	0.008
	Based on trimmed mean	3.783	3	2971	0.010
CN-12 experience dimension	Based on Mean	5.524	3	2971	0.001
	Based on Median	5.454	3	2971	0.001
	Based on Median and with adjusted <i>df</i>	5.454	3	2951.833	0.001
	Based on trimmed mean	5.462	3	2971	0.001
CN-12 philosophy dimension	Based on Mean	9.481	3	2971	< 0.000
	Based on Median	9.078	3	2971	< 0.000
	Based on Median and with adjusted <i>df</i>	9.078	3	2946.684	< 0.000
	Based on trimmed mean	9.384	3	2971	< 0.000

df = degrees of freedom

Table A3.3 Descriptive statistics and Shapiro-Wilk test of normality (W) for the four nature-based pro-biodiversity behaviors ($n = 3012$)[†]

	Mean (95% <i>CI</i>)	Median	SD	Var.	Skewness (<i>SE</i>)	Kurtosis (<i>SE</i>)
Volunteering $W(3012) = 0.770, p < 0.001$	1.797 (1.762, 1.833)	1.000	1.000	0.999	1.126 (0.045)	0.535 (0.089)
Citizen science $W(3012) = 0.667, p < 0.001$	1.599 (1.564, 1.633)	1.000	0.963	0.928	1.590 (0.045)	1.778 (0.089)
Picking up litter $W(3012) = 0.907, p < 0.001$	2.697 (2.655, 2.739)	3.000	1.168	1.364	0.150 (0.045)	-0.743 (0.089)
Community gardening $W(3012) = 0.669, p < 0.001$	1.594 (1.560, 1.628)	1.000	0.952	0.906	1.583 (0.045)	1.734 (0.089)

[†] $n = 78$ excluded due to mentioning none of the concepts of nature categories

CI = confidence interval; *SD* = standard deviation; *Var.* = variance; *SE* = standard error