

Appendix 2. Descriptive Statistics

Table A2.1. Table summarizing all independent variables from the survey by city, and then in total. For categorical variables raw numbers are presented with their proportion of the group in parenthesis. For quantitative variables, distribution parameters minimum, mean, standard deviation, median, and maximum are presented for each group. 963 individuals were surveyed in total.

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Gender Presentation					
Feminine	96 (53.3%)	174 (52.7%)	193 (55.1%)	44 (43.6%)	507 (52.8%)
Masculine	79 (43.9%)	151 (45.8%)	156 (44.6%)	57 (56.4%)	443 (46.1%)
No Response	5 (2.8%)	5 (1.5%)	1 (0.3%)	0 (0.0%)	11 (1.15%)
Total	180	330	350	101	961
Age					
Mean (sd)	41.3 (19.3)	43.3 (19.4)	40.8 (18.5)	41.4 (16.1)	41.8 (18.7)
Minimum	7	7	4	12	4
Median	38	42	39	42	40
Maximum	86	92	86	78	92
No Response	3	9	1	0	13
Education					
None	0 (0%)	0 (0%)	4 (1.1%)	1 (1.0%)	5 (0.5%)
Primary - Incomplete	6 (3.3%)	10 (3.0%)	24 (6.9%)	18 (17.8%)	58 (6.0%)
Primary - Complete	13 (7.2%)	21 (6.4%)	20 (5.7%)	10 (9.9%)	64 (6.7%)
Secondary - Incomplete	22 (12.2%)	27 (8.2%)	63 (18%)	19 (18.8%)	131 (13.7%)
Secondary - Complete	65 (36.1%)	0 (0%)	98 (28%)	21 (20.8%)	184 (19.1%)
Technical Studies - Incomplete	2 (1.1%)	14 (4.3%)	13 (3.7%)	1 (1.0%)	30 (3.1%)
Technical Studies - Complete	17 (9.4%)	45 (13.6%)	37 (10.6%)	10 (9.9%)	109 (11.3%)
University - Incomplete	15 (8.3%)	31 (9.4%)	38 (10.9%)	3 (3.0%)	87 (9.0%)
University - Complete	33 (18.3%)	172 (52.1%)	53 (15.1%)	17 (16.8%)	275 (28.6%)
Postgraduate	2 (1.1%)	4 (1.2%)	0 (0.0%)	1 (1.0%)	7 (0.7%)
No Response	5 (2.8%)	6 (1.8%)	0 (0.0%)	0 (0.0%)	11 (1.1%)
Total	180 (100%)	330 (100%)	350 (100%)	101 (100%)	961 (100%)

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Work					
Accommodation and Food Services	5 (2.8%)	7 (2.1%)	5 (1.4%)	0 (0.0%)	17 (1.8%)
Administrative and Support Services	4 (2.2%)	22 (6.6%)	7 (2.0%)	0 (0.0%)	33 (3.4%)
Agriculture, Forestry, Fishing, and Hunting	7 (3.9%)	0 (0.0%)	3 (0.9%)	15 (14.9%)	25 (2.6%)
Arts, Entertainment, and Recreation	3 (1.7%)	7 (2.1%)	5 (1.4%)	1 (1.0%)	16 (1.7%)
Construction	5 (2.8%)	4 (1.2%)	9 (2.6%)	6 (5.9%)	24 (2.5%)
Educational Services	4 (2.2%)	9 (2.7%)	21 (6.0%)	16 (15.8%)	50 (5.2%)
Finance and Insurance	1 (0.6%)	8 (2.4%)	0 (0.0%)	0 (0.0%)	9 (0.9%)
Freelance	12 (6.7%)	11 (3.3%)	37 (10.6%)	7 (6.9%)	67 (7.0%)
Health Care and Social Assistance	5 (2.8%)	10 (3.0%)	4 (1.1%)	1 (1.0%)	20 (2.1%)
Information	1 (0.6%)	2 (0.6%)	0 (0.0%)	0 (0.0%)	3 (0.3%)
Management of Companies and Enterprises	7 (3.9%)	9 (2.7%)	0 (0.0%)	0 (0.0%)	16 (1.7%)
Manufacturing	2 (1.1%)	4 (1.2%)	4 (1.1%)	0 (0.0%)	10 (1.0%)
Mining, Quarrying, Oil, and Gas Extraction	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Other Services	45 (25.0%)	63 (19.0%)	79 (22.6%)	28 (27.7%)	215 (22.4%)
Professional, Scientific, and Technical Services	2 (1.1%)	12 (3.6%)	12 (3.4%)	2 (2.0%)	28 (2.9%)
Public Administration	3 (1.7%)	10 (3.0%)	9 (2.6%)	0 (0.0%)	22 (2.3%)
Retail Trade	17 (9.4%)	34 (10.3%)	62 (17.7%)	10 (9.9%)	123 (12.8%)
Retired	14 (7.8%)	29 (8.7%)	10 (2.9%)	0 (0.0%)	53 (5.6%)
Student	33 (18.3%)	51 (15.4%)	61 (17.4%)	11 (10.9%)	156 (16.2%)
Transportation and Warehousing	3 (1.7%)	7 (2.1%)	6 (1.7%)	2 (2.0%)	18 (1.9%)
Unemployed	0 (0.0%)	7 (2.1%)	16 (4.6%)	2 (2.0%)	25 (2.6%)
Utilities	1 (0.6%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
Wholesale Trade	0 (0.0%)	1 (0.3%)	0 (0.0%)	0 (0.0%)	1 (0.1%)
No Response	6 (3.3%)	22 (6.6%)	0 (0.0%)	0 (0.0%)	28 (2.9%)
Total	180 (100%)	330 (100%)	350 (100%)	101 (100%)	961 (100%)
Years in Current Residence					
Mean (sd)	19.8 (18.7)	19.8 (17.7)	18 (15.2)	15.1 (16)	18.7 (16.9)
Minimum	0	0	0	0	0
Median	15	16	15	10	15
Maximum	81	84	75	73	84
No Response	1	1	1	0	3

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Last Move					
Never moved	48 (26.7%)	75 (22.7%)	57 (16.3%)	13 (12.9%)	193 (20.1%)
Same Neighborhood	0 (0.0%)	35 (10.6%)	50 (14.3%)	2 (2%)	42 (4.4%)
Same City	63 (35%)	122 (37.0%)	185 (52.9%)	27 (26.7%)	397 (41.3%)
Urban to Urban	29 (16.1%)	36 (10.9%)	44 (12.6%)	21 (20.8%)	130 (13.5%)
Rural to Urban	27 (15%)	19 (5.8%)	51 (14.6%)	36 (35.6%)	133 (13.9%)
International	0 (0.0%)	8 (2.4%)	0 (0.0%)	0 (0.0%)	8 (0.8%)
No Response	13 (7.2%)	35 (10.6%)	8 (2.3%)	2 (2%)	58 (6.0%)
Total	180 (100%)	330 (100%)	350 (100%)	101 (100%)	961 (100%)
Activities Outside					
Exercise	32 (17.8%)	61 (18.4%)	100 (28.6%)	35 (34.7%)	228 (23.7%)
Extractive	5 (2.8%)	11 (3.3%)	6 (1.7%)	8 (7.9%)	30 (3.1%)
Recreation	102 (56.7%)	232 (70.3%)	199 (56.9%)	42 (41.6%)	575 (59.8%)
Work	14 (7.8%)	11 (3.3%)	26 (7.4%)	15 (14.9%)	66 (6.9%)
Other	0 (0.0%)	0 (0.0%)	1 (0.3%)	0 (0.0%)	1 (0.1%)
None	29 (16.1%)	36 (10.8%)	35 (10.0%)	8 (7.9%)	108 (11.2%)
No Response	9 (5.0%)	10 (3.0%)	0 (0.0%)	0 (0.0%)	19 (2%)
Total (Responses/Individuals)	191/180	361/330	367/350	108/101	1027/961
Hours Outside					
None	29 (16.1%)	36 (10.1%)	35 (10.0%)	8 (7.9%)	108 (11.2%)
Few (1-4)	72 (40%)	120 (36.4%)	163 (46.6%)	39 (38.6%)	394 (41%)
Regular (4-10)	34 (18.9%)	104 (31.5%)	104 (29.7%)	36 (35.6%)	278 (29%)
Many (10+)	40 (22.2%)	70 (21.1%)	46 (13.1%)	18 (17.8%)	174 (18.1%)
No Response	5 (2.8%)	0 (0.0%)	2 (0.6%)	0 (0.0%)	7 (0.7%)
Total	180 (100%)	330 (100%)	350 (100%)	101 (100%)	961 (100%)

Table A2.2. Table summarizing all response variables from the survey by city, and then in total. For categorical variables raw numbers are presented with their proportion of the group in parenthesis. For quantitative variables, distribution parameters minimum, mean, standard deviation, median, and maximum are presented for each group. 963 individuals were surveyed in total.

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Engagement					
Has Pets	88 (49.4%)	167 (50.8%)	208 (59.4%)	48 (47.5%)	511 (53.3%)
No Pets	90 (50.6%)	162 (49.2%)	142 (40.6%)	53 (52.5%)	447 (46.7%)
Has Garden	47 (26.4%)	96 (29.5%)	202 (57.7%)	65 (64.4%)	410 (42.9%)
No Garden	131 (73.6%)	231 (70.5%)	148 (42.3%)	36 (35.6%)	546 (57.1%)
#Garden Species					
Mean (sd)	0.5 (1)	0.6 (1.3)	1.6 (1.6)	2.8 (2.1)	1.1 (1.6)
minimum	0	0	0	0	0
median	0	0	1	3	0
maximum	5	8	7	10	10
No response	2 (1.11%)	10 (3.01%)	148 (42.3%)	36 (35.6%)	196 (20.35%)
Perception					
Sees birds	173 (96.7%)	318 (96.1%)	332 (94.9%)	91 (90.1%)	914 (95.1%)
Does not see birds	6 (3.4%)	13 (3.9%)	18 (5.1%)	10 (9.9%)	47 (4.9%)
Not sure	10 (5.8%)	12 (3.7%)	5 (1.4%)	5 (5.0%)	32 (3.4%)
Low biodiversity	107 (61.5%)	173 (53.2%)	257 (73.6%)	71 (70.3%)	608 (64.1%)
Normal biodiversity	40 (23.0%)	101 (31.1%)	72 (20.6%)	18 (17.8%)	231 (24.3%)
High biodiversity	17 (9.8%)	39 (12.0%)	15 (4.3%)	7 (6.9%)	78 (8.2%)
No response	6 (3.3%)	7 (2.1%)	1 (0.29%)	0 (0%)	14 (1.45%)
#Estimated Species					
Mean (sd)	4.3 (8.5)	4.6 (6.7)	4.4 (3.5)	4.6 (5.5)	4.5 (6)
minimum	0	0	0	0	0
median	2.5	3	4	4	3.5
maximum	100	100	25	50	100
No response	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Curiosity					
More Info - Yes	135 (75%)	246 (74.6%)	287 (82%)	92 (91.1%)	760 (79.1%)
More Info - No	45 (25%)	83 (25.4%)	63 (18%)	9 (8.9%)	200 (20.9%)
#Categories					
Mean (sd)	1.1 (0.9)	1.16 (1)	1.2 (1)	1.4 (1.1)	1.2 (1)
minimum	0	0	0	0	0
median	1	1	1	1	1
maximum	5	6	4	5	6
No response	0 (0%)	1 (0.3%)	0 (0%)	0 (0%)	1 (0.1%)
BirdIndirect	15 (8.3%)	26 (7.8%)	59 (16.9%)	13 (12.9%)	113 (11.7%)
BirdIntrinsic	86 (47.8%)	184 (55.8%)	222 (63.4%)	66 (65.3%)	558 (58%)
HumanAesthetic	1 (0.6%)	3 (0.9%)	3 (0.9%)	0 (0%)	7 (0.7%)
HumanDirect	30 (16.7%)	53 (16%)	19 (5.4%)	10 (9.9%)	112 (11.6%)
HumanIndirect	5 (2.8%)	6 (1.8%)	3 (0.9%)	8 (7.9%)	22 (2.3%)
HumanIntrinsic	15 (8.3%)	23 (7.0%)	20 (5.7%)	11 (10.9%)	69 (7.2%)
HumanRecreational	4 (2.2%)	6 (1.8%)	3 (0.9%)	2 (2%)	15 (1.6%)
No Response	47 (26.1%)	85 (25.8%)	84 (24%)	16 (15.8%)	232 (24.1%)
Responses/Individuals	207/180	386/330	413/350	126/101	1128/961

Table A2.3. Table summarizing all environmental variables from the survey by city, and then in total. Distribution parameters minimum, mean, standard deviation, median, and maximum are presented for each group. There were 97 sites in total.

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
Land Cover Metrics					
Local Tree Cover					
Mean (sd)	7% (6%)	14% (15%)	13% (9%)	28% (10%)	10% (10%)
minimum	0%	1%	5%	10%	0%
median	5%	10%	10%	30%	10%
maximum	20%	70%	40%	40%	70%
Number of sites	18	34	35	10	97
Local Grass Cover					
Mean (sd)	5% (5%)	10% (7%)	14% (8%)	20% (8%)	10% (10%)
minimum	0%	0%	0%	10%	0%
median	4%	10%	15%	20%	10%
maximum	15%	20%	30%	35%	30%
Number of sites	18	34	35	10	97
Local Building Cover					
Mean (sd)	59% (16%)	59% (20%)	57% (17%)	29% (15%)	60% (20%)
minimum	30%	0%	20%	10%	0%
median	58%	62%	60%	25%	60%
maximum	85%	85%	85%	60%	80%
Number of sites	18	34	35	10	97
Neighborhood Tree Cover					
Mean (sd)	4% (3%)	8% (4%)	11% (6%)	24% (8%)	10% (10%)
minimum	0%	2%	1%	10%	0%
median	4%	5%	10%	25%	10%
maximum	10%	20%	25%	35%	30%
Number of sites	18	34	35	10	97
Neighborhood Grass Cover					
Mean (sd)	8% (6%)	7% (3%)	16% (10%)	21% (8%)	10% (10%)
minimum	0%	0%	3%	10%	0%
median	6%	10%	15%	20%	10%

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
maximum	20%	10%	40%	35%	40%
Number of sites	18	34	35	10	97
Neighborhood Building Cover					
Mean (sd)	54% (17%)	66% (9%)	53% (16%)	25% (9%)	60% (20%)
minimum	30%	40%	15%	10%	10%
median	50%	66%	60%	28%	60%
maximum	80%	80%	80%	40%	80%
Number of sites	18	34	35	10	97
Nearest Landmark Metrics					
Distance to Park (m)					
Mean (sd)	121.21 (185)	77.89 (133)	109.22 (113)	52.36 (55)	94.6 (132.3)
minimum	0	0	6.1	6.1	0
median	21.34	12.5	64.9	26.55	33.8
maximum	708.11	627.64	439.4	142.6	708.1
Number of sites	18	34	35	10	97
Distance to City Center (m)					
Mean (sd)	1581.6 (795)	7901.69 (4049)	3564.1 (2194)	892.9 (622)	4441.2 (3854.6)
minimum	0	861	510.2	34.1	0
median	1641.53	7346.7	3057.8	789.35	3009.5
maximum	2639.32	199955.9	9221.5	1850.7	19955.9
Number of sites	18	34	35	10	97
Distance to Water (m)					
Mean (sd)	1027 (522)	2508.27 (1727)	819.17 (491)	157.69 (110)	1381.6 (1380.5)
minimum	52.43	191.72	71.9	17.1	17.1
median	1031.59	2349.64	804.5	130.6	976.9
maximum	1915.12	6035.04	2237	368.2	6035
Number of sites	18	34	35	10	97
Bird Biodiversity Metrics					
Species Richness					
Mean (sd)	11.5 (4.15)	14.44 (4.18)	21.03 (6.52)	23.9 (4.12)	17.2 (6.7)
minimum	5	6	3	17	3
median	11.5	14.5	20	24.5	17

Variable	City				Total
	Huacho	Lima	Iquitos	Nauta	
maximum	20	21	35	30	35
Number of sites	18	34	35	10	97
Simpson Evenness					
Mean (sd)	0.06 (0.02)	0.05 (0.01)	0.05 (0.07)	0.03 (0.01)	0.1 (0)
minimum	0.03	0.03	0.02	0.03	0
median	0.06	0.05	0.03	0.03	0
maximum	0.11	0.09	0.4	0.05	0.4
Number of sites	18	34	35	10	97
Average # of Individuals					
Mean (sd)	35.72 (17.5)	41.07 (29.1)	34.55 (11.7)	50.04 (23.8)	38.6 (21.7)
minimum	6.25	29.13	18.8	15.4	6.2
median	34.88	13.25	31	44.9	33
maximum	83.25	32	62.6	89	127.8
Number of sites	18	34	35	10	97