

**Appendix 1.** List of all variables used in statistical analysis with P-value for GLM univariate analysis. Blank cells correspond to variables with p-value > 0.25 and those that were not used either because they had outliers, were correlated > 0.60 or were not adequate to the analysis (e.g. amenities for biodiversity perception).

List of variables used in the univariate analysis to build the Generalized Linear Models			P-value univariate analysis	
Variable	Description	Units	Perceived Restorativeness (PR)	Biodiversity Perception (BPD)
<i>Biotic</i>				
H_TBB	Shannon diversity index of trees, butterflies and birds	NA		
H_Trees	Shannon diversity index of trees	NA	0.024	
H_Butterflies	Shannon diversity index of butterflies	NA	<0.001	
H_Birds	Shannon diversity index of birds	NA	0.041	<0.001
E_TBB	Evenness of trees, butterflies and birds	NA		0.004
E_Trees	Evenness of tree species	NA	<0.001	
E_Butterflies	Evenness of butterfly species	NA	0.167	
E_Birds	Evenness of bird species	NA	0.176	<0.001
Species richness	Total tree, butterfly and bird species	Number	0.003	0.190
N_Tree	Tree species richness	Number	0.238	0.020
N_Butterfly	Butterfly species richness	Number	<0.001	
N_Bird	Bird species richness	Number		0.004
LSIcov	Landscape Shape Index of land cover types	NA		
PRDcov	Patch Richness Density of land cover types	NA	0.019	0.248
SHDIcov	Shannon Diversity Index of land cover types	NA		0.028
MSIEIcov	Modified Simpson's Evenness Index of land cover types	NA	0.137	
LSIsp	Landscape Shape Index of dominant tree species	NA		
PRDsp	Patch Richness Density of dominant tree species	NA	0.0123	<0.001

SHDIsp	Shannon Diversity Index of dominant tree species	NA	0.001	0.041
MSIEIsp	Modified Simpson's Evenness Index of dominant tree species	NA		0.004
FDis_leafphen	Dissimilarity of tree eaf phenologies	NA	<0.001	0.019
FDis_leaftype	Dissimilarity of tree leaf types	NA	0.001	0.007
FDis_flowseason	Dissimilarity of tree flowering seasons	NA		<0.001
FDis_fruitphen	Dissimilarity of tree fruit phenologies	NA	<0.001	
FDis_flowshow	Dissimilarity of tree flower showiness	NA	0.200	0.001
FDis_fruitshow	Dissimilarity of tree fruit showiness	NA	0.212	<0.001
CWM_evergreen	Community Weighted Mean of evergreen species	NA	<0.001	0.014
CWM_broadleaf	Community Weighted Mean of broadleaf species	NA	0.001	
CWM_flowshowy	Community Weighted Mean of tree showy flowers	NA		0.051
CWM_fruitshowy	Community Weighted Mean of tree showy fruits	NA	0.118	
NDVI Summer	Normalized Difference Vegetation Index in summer	NA	0.026	<0.001
<i>Socio-demographic</i>				
Age	Age	Years		
Education	Education	Years		<0.001
<i>Visiting profile, park attributes and users perceptions</i>				
Frequency of visit	Classes: Occasional (less than 1x/week); Regular (>= 1x/week)	0-1	0.031	
Duration of visit	Classes: Passing by; < 30 min; 30-90 min; 90-180 min; > 180 min	Score 1-5	0.015	0.036
Park quality	Availability and quality of facilities, amenities and space cleanliness	Number	0.005	
Biological salient features	Biological elements with historical, cultural, aesthetic value	Number		
Cultural artefacts	Built elements of cultural interest	Number		
Safety	Abundance of gardeners or security staff, and adequate lighting	Number		

Complaints	Disturbing features referred by park users	Number	<0.001	
Special PR	Connection to place (is this place special?) Perceived Restorativeness	Yes-No Score 1-5	<0.001	0.053
Biodiversity perception	Perception of high levels of biodiversity	Yes-No	<0.001	<0.001
Tree diversity perception	Perception of diversity of tree species	Score 1-5	<0.001	<0.001
Butterfly diversity perception	Perception of diversity of butterfly species	Score 1-5		
Bird diversity perception	Perception of diversity of bird species	Score 1-5	0.002	

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