

### Appendix

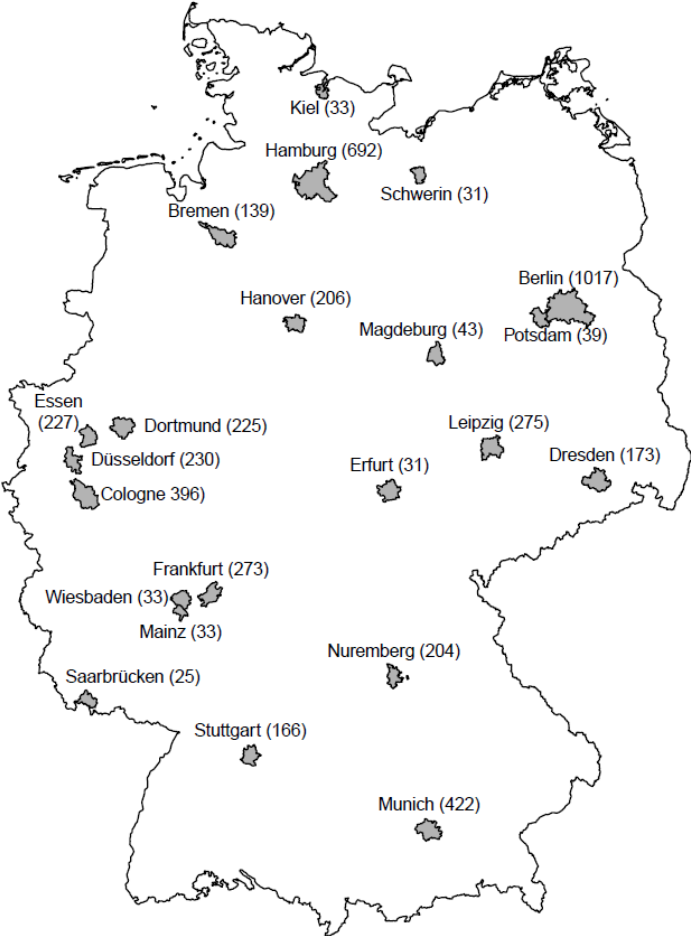
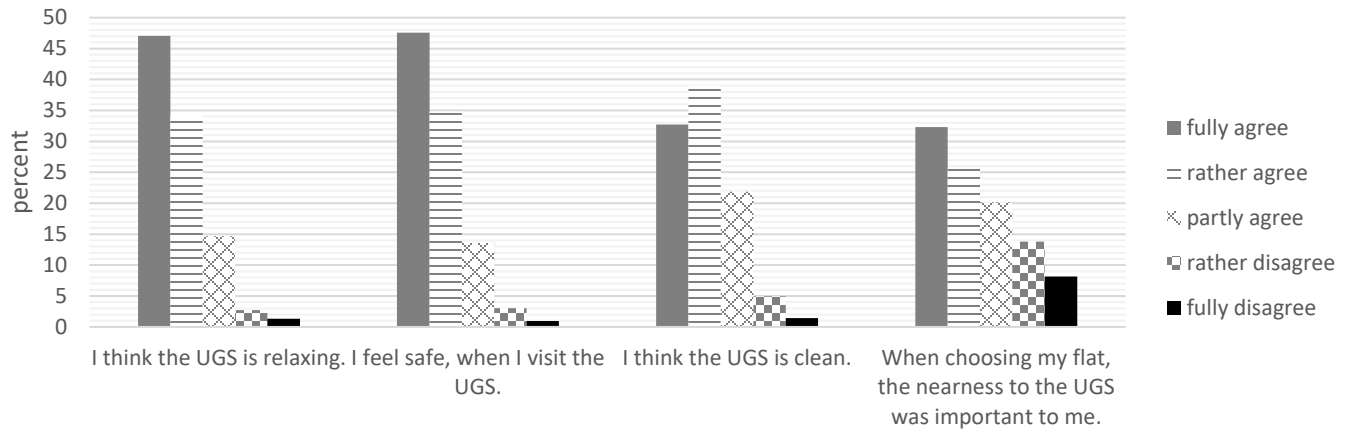
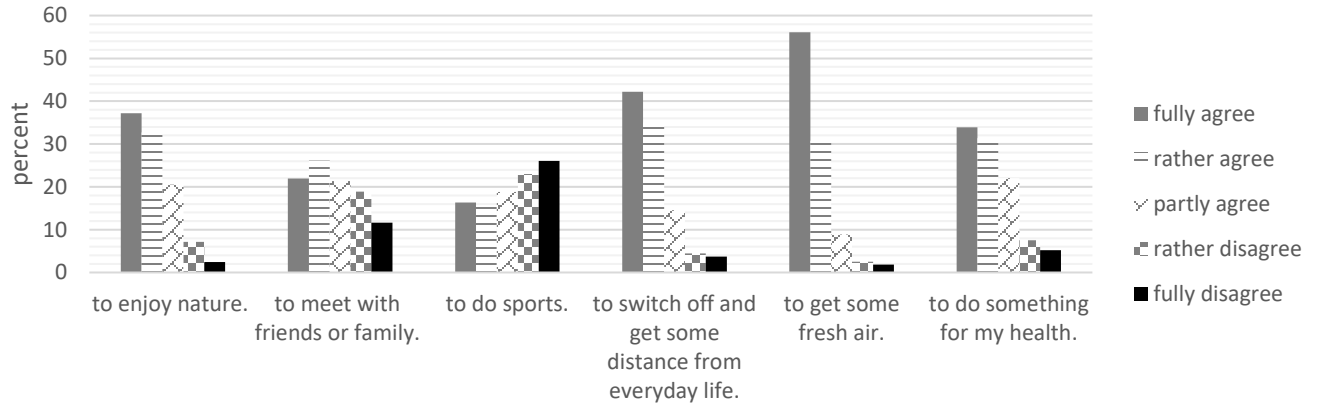


Figure A1: Number of respondents per city.



**Figure A2: Respondents' perceptions regarding the closest UGS.**



**Figure A3: Statements to “The last time I visited the closest UGS, I wanted....”**

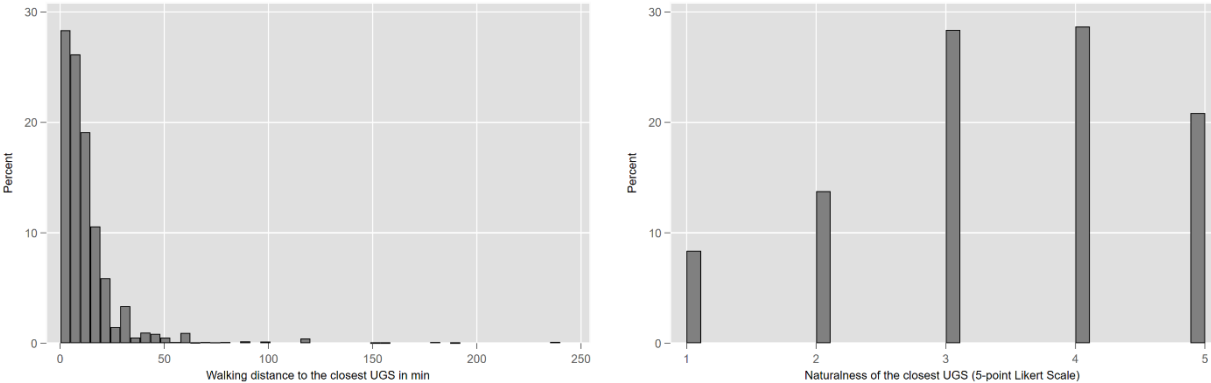
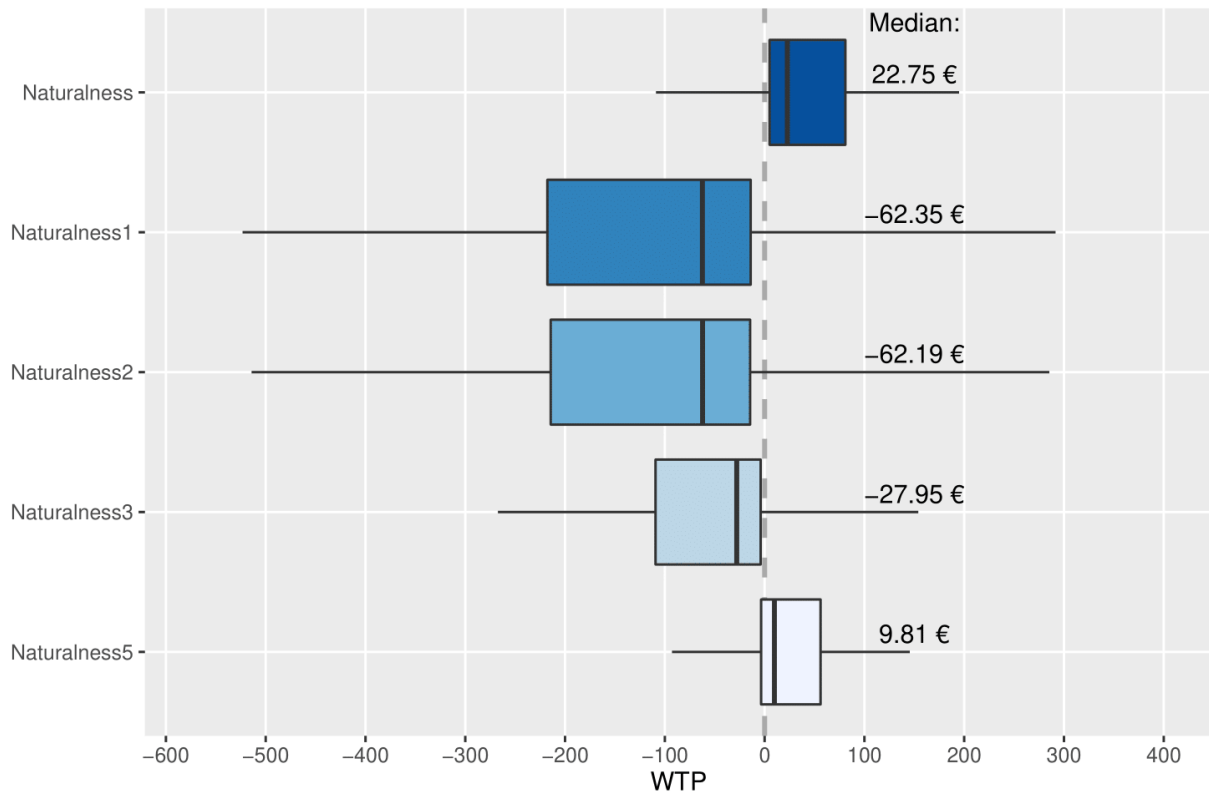
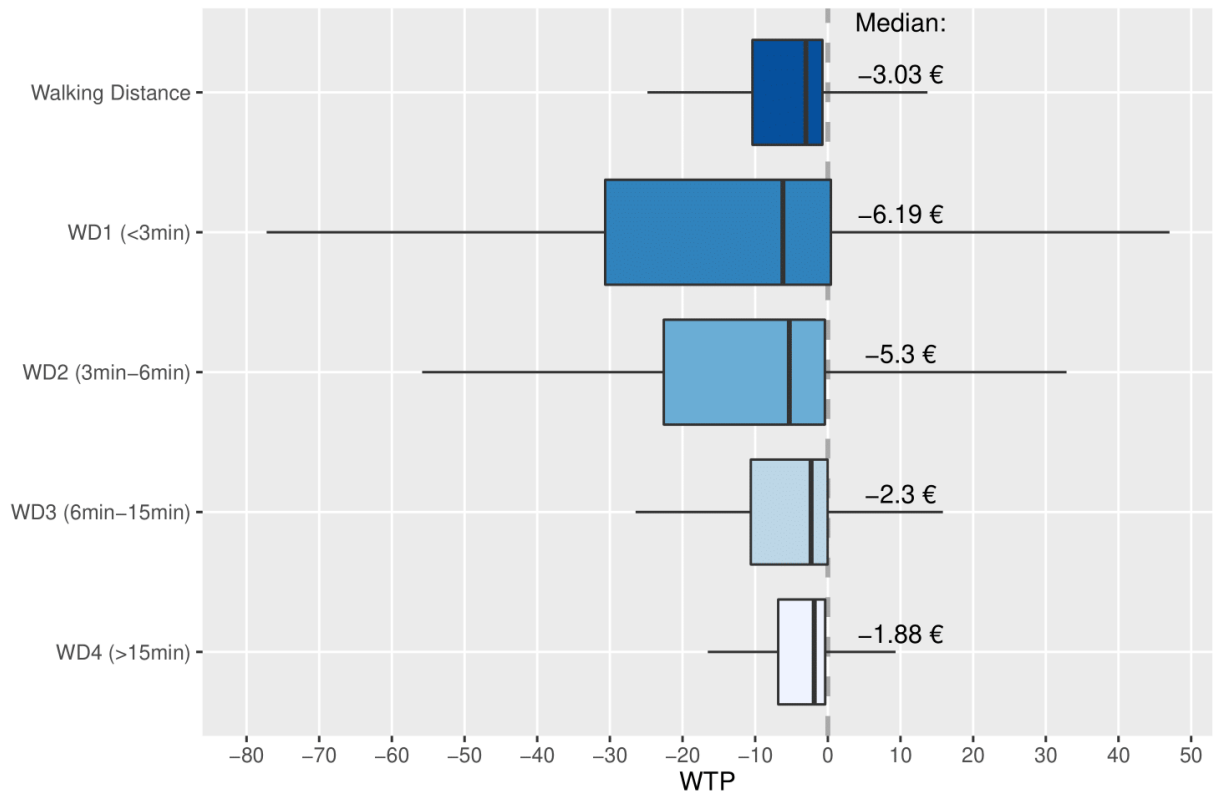


Figure A4: Distribution of walking distance and naturalness



**Figure A5: Median WTPs for naturalness from preference space models**



**Figure A6: Median WTPs for walking distance from preference space models**

**Table A1: Comparison between sample and national figures.**

	<b>Sample in %</b>	<b>Representative in %*</b>	<b>Deviation in percentage points</b>
<b>Gender</b>			
Male	42.49	50.00	-7.51
Female	57.34	50.00	7.34
Divers	0.16		
<b>Age</b>			
18-29	22.92	20.41	2.51
30-39	25.34	18.90	6.44
40-49	18.32	18.50	-0.18
50-59	19.78	23.91	-4.13
60-70	13.64	18.29	-4.65
<b>Net Household Income</b>			
Less than 1500 €	24.71	20.00	4.71
1500 € - 3000 €	41.34	38.00	3.34
3000 € - 4000 €	18.99	19.00	-0.01
More than 4000	14.96	23.00	-8.04

\*Representative values for gender and age are obtained from the Federal Statistical Office of Germany (<https://service.destatis.de/bevoelkerungspyramide/>)

**Table A2: Descriptive statistics of sociodemographic variables.**

Variable	Description	Mean	Median	SD	Min	Max
Age	Age of the respondent in years	41.81	40	14.00	18	70
Household Size	Number of persons living in a household	2.07	2.00	1.12	1.00	9.00
Income	Monthly net income of the household in €	2,606.45	2,252.40	1,433.32	451.30	6375.40
Kids	Number of kids in the household	0.344	0	0.72	0	7.00
Working hours	Average weekly working hours	29.46	38	17.32	0	160
<b>Gender</b>	<b>share of the respondents, which...</b>	<b>Percentage</b>				
Female	are female	57.34				
Male	are male	42.49				
Divers	are divers	0.16				
<b>Level of education</b>						
Secondary school	have a secondary school degree	4.50				
Comprehensive school	have a comprehensive school degree	15.85				
High school	have a high school degree	18.52				
Vocational training	have a completed vocational training	28.79				
Academic degree	have an academic degree	31.53				
Other degree	have another graduation	0.81				
<b>Employment</b>						
Full-time job	are in full-time employment	49.90				
Part-time job	are part-time employment	16.61				
Trainee	are student/trainee	9.81				
Unemployed	are unemployed	4.96				
Self-employed	are self-employed	3.41				
Retired	are retired	12.36				
Other employment	other employment	4.96				
<b>Marital Status</b>						
Married	are married	29.22				
Living in a partnership	are living together with a partner	20.12				
Single	are singles	37.60				
Separated	are divorced/separated/widowed	13.05				



**Table A3: Overspecified model to find base level of naturalness.**

	Estimate
ASC (Program 1)	-4.675
ASC (Program 2)	-6.267
ASC (Status quo)	12.773
Rent	-2.483
Hardly natural (1)	-32.311
Little natural (2)	-25.921
Partly natural (3)	4.614
Nearly natural (4)	30.468
Very natural (5)	43.151
WD1 (<3min)	-6.723
WD2 (3-6min)	-4.938
WD3 (6-15min)	-2.644
WD4 (>15min)	-1.897
SD.ASC (Program 1)	-4.735
SD.ASC (Program 2)	2.308
SD.ASC (Status quo)	25.514
SD.Rent	-1.400
SD.WD (<3min)	6.177
SD.WD (3-6min)	4.411
SD.WD (6-15min)	-2.344
SD.WD (>15min)	-1.210
SD.hardly natural (1)	-44.648
SD.little natural (2)	32.473
SD.partly natural (3)	19.474
SD.nearly natural (4)	-4.449
SD.very natural (5)	14.008

**Table A4: Mixed logit estimates basic models.**

	(I)				(II)			
	coef	se	share	WTP	coef	se	share	WTP
ASC (Program 1)	-1.09***	(0.036)			-1.23***	(0.037)		
ASC (Program 2)	-1.06***	(0.036)			-1.17***	(0.037)		
Naturalness	1.02***	(0.020)	<b>90%</b>	<b>22.75</b>				
WalkingDistance	-0.13***	(0.003)	<b>7%</b>	<b>-3.03</b>				
Rent	-3.42***	(0.047)			-3.32***	(0.045)		
<i>Naturalness Base: Nearly natural (4)</i>								
Hardly natural (1)					-3.06***	(0.087)	<b>10%</b>	<b>-62.35</b>
Little natural (2)					-3.01***	(0.075)	<b>10%</b>	<b>-62.19</b>
Partly natural (3)					-1.54***	(0.052)	<b>16%</b>	<b>-27.95</b>
Very natural (5)					0.70***	(0.039)	<b>69%</b>	<b>9.81</b>
<i>Walking distance (WD)</i>								
WD1 (<3min)					-0.41***	0.042	<b>27%</b>	<b>-6.19</b>
WD2 (3-6min)					-0.31***	0.021	<b>21%</b>	<b>-5.30</b>
WD3 (6-15min)					-0.14***	0.007	<b>25%</b>	<b>-2.30</b>
WD4 (>15min)					-0.10***	0.004	<b>10%</b>	<b>-1.88</b>
SD.ASC (Program 1)	1.47***	(0.047)			1.05***	(0.048)		
SD.ASC (Program 2)	1.55***	(0.040)			1.12***	(0.044)		
SD.Naturalness	0.81***	(0.020)						
SD.WalkingDistance	0.09***	(0.003)						
SD.Rent	1.57***	(0.019)			1.54***	(0.038)		
SD.hardly natural (1)					2.43***	(0.089)		
SD.little natural (2)					2.31***	(0.075)		
SD.partly natural (3)					1.61***	(0.059)		
SD.very natural (5)					1.44***	(0.052)		
SD.WD (<3min)					0.67***	(0.060)		
SD.WD (3-6min)					0.39***	(0.036)		
SD.WD (6-15min)					0.21***	(0.008)		
SD.WD (>15min)					0.08***	(0.003)		
Observations		146,880				146,880		
Log Likelihood		-29,080.81				-28,440.15		

Standard errors in parentheses; \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

<sup>a</sup>share indicates the calculated share of respondents lying on the positive domain of the normal distribution for each attribute parameter using the formula  $100 * \Phi(\mu_k - \sigma_{b,k})$ , where  $\Phi$  is the cumulative standard normal distribution and  $\mu_k$  and  $\sigma_{b,k}$  are the mean and standard deviation of the kth coefficient.

**Table A5: Robustness Check: Results of the mixed logit estimates including interaction effects.**

	(Robustness)	
	coef.	se
ASC (Program 1)	-3.44***	(1.012)
ASC (Program 2)	-4.86***	(0.965)
Naturalness	20.43	(1.303)
WalkingDistance	-2.36***	(0.067)
Rent	-2.63***	(0.035)
<i>Education<sup>1</sup>: Reference is Hauptschulabschluss</i>		
Realschulabschluss×Naturalness	1.75	(1.269)
Abitur×Naturalness	3.46*	(1.482)
Professional Training×Naturalness	2.15	(1.237)
University Degree×Naturalness	3.40**	(1.317)
Other×Naturalness	-1.03	(3.455)
<i>Other variables</i>		
No.Kids×Naturalness	-0.78**	(0.260)
FlatSize×Naturalness	-0.05***	(0.003)
SD.ASC (Program 1)	18.75***	(0.655)
SD.ASC (Program 2)	20.06***	(0.877)
SD.Naturalness	14.06***	(0.407)
SD.WalkingDistance	1.45***	(0.042)
SD.Rent	1.28***	(0.034)
Observations	141.402	
Log likelihood	-27,893.06	

Standard errors in parentheses; \*\*\* p<0.01, \*\* p<0.05, \* p<0.1

<sup>1</sup> We provide the German Graduation levels. “Hauptschulabschluss” is the first possible school graduation and is usually awarded after 9 or 10 years in school depending on the federal state. “Realschulabschluss” is the second possible school graduation that usually is provided after 10 years of school. The highest school graduation in Germany is the Abitur after 12 or 13 years of school depending on the state.

**Table A6: Correlation of WTP with city-level variables on the amount of green space, population size, and GDP.**

	(1) UGS area per capita <sup>a</sup>	(2) UGS area <sup>a</sup>
WTP Naturalness <sup>b</sup>	0.0004 (0.004)	
Aggregated WTP Naturalness <sup>c</sup>		0.0057*** (0.001)
Constant	0.233* (0.088)	94.39* (35.26)
Observations	14	14
adj. R2	-0.08	0.61

Standard errors in parentheses

\*  $p < 0.1$ , \*\*  $p < 0.05$ , \*\*\*  $p < .01$

<sup>a</sup> in km<sup>2</sup>

<sup>b</sup> in €

<sup>c</sup> in 1000 € per month