

Supplementary Material 4

to ‘Kraemer & Kabisch 2022. Parks under stress: air temperature regulation of urban green spaces under conditions of drought and summer heat.’

Details on zonal statistics

Table S4.1. Spatial mean air temperature values in °C per analysed point in time.

Spatial zone	Time (model number)			
	08:00 (T2)	15:00 (T9)	21:00 (T15)	06:00 (T24)
LVP	24.26	38.02	33.37	21.96
LVP 50-m buffer	24.33	37.97	33.45	22.07
FP	23.26	37.36	33.02	21.81
FP 50-m buffer	23.55	37.55	33.15	21.92
Ostplatz	24.28	37.69	33.72	22.21

Anova for T2 (Single factor)

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	498	11585.575	23.264	0.046
Column 2	437	10280.360	23.525	0.187
Column 3	497	12035.656	24.217	0.296
Column 4	391	9517.517	24.341	0.295
Column 5	44	1061.036	24.114	0.140

ANOVA

<i>Sorce of Variation</i>	<i>Square sums (SS)</i>	<i>Degrees of freedom (df)</i>	<i>Mean square sum (MS)</i>	<i>F</i>	<i>P-value</i>	<i>F critical</i>
Between Groups	380.188	4	95.047	475.441	1.3189E-282	2.377
Within Groups	372.239	1862	0.200			
Total	752.427	1866				

Anova for T9 (Single factor)

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	500	18672.699	37.345	0.196
Column 2	500	18769.948	37.540	0.116
Column 3	500	18996.438	37.993	0.091
Column 4	500	18982.084	37.964	0.101
Column 5	50	1885.980	37.720	0.031

ANOVA

<i>Sorce of Variation</i>	<i>Square sums (SS)</i>	<i>Degrees of freedom (df)</i>	<i>Mean square sum (MS)</i>	<i>F</i>	<i>P-value</i>	<i>F critical</i>
Between Groups	153.248	4	38.312	309.394	2.7638E-208	2.376
Within Groups	253.232	2045	0.124			
Total	406.480	2049				

Anova for T15 (Single factor)

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	500	16505.065	33.010	0.027
Column 2	500	16578.625	33.157	0.061
Column 3	500	16684.044	33.368	0.034
Column 4	500	16730.277	33.461	0.038
Column 5	50	1679.044	33.581	0.042

ANOVA

<i>Sorce of Variation</i>	<i>Square sums (SS)</i>	<i>Degrees of freedom (df)</i>	<i>Mean square sum (MS)</i>	<i>F</i>	<i>P-value</i>	<i>F critical</i>
Between Groups	67.580	4	16.895	421.919	2.8764E-265	2.376
Within Groups	81.888	2045	0.040			
Total	149.468	2049				

Anova for T24 (Single factor)

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	500	10905.809	21.812	0.040
Column 2	500	10966.600	21.933	0.042
Column 3	500	10986.471	21.973	0.031
Column 4	500	11034.451	22.069	0.031
Column 5	50	1109.306	22.186	0.012

ANOVA

<i>Sorce of Variation</i>	<i>Square sums (SS)</i>	<i>Degrees of freedom (df)</i>	<i>Mean square sum (MS)</i>	<i>F</i>	<i>P-value</i>	<i>F critical</i>
Between Groups	19.823	4	4.956	139.290	2.2258E-105	2.376
Within Groups	72.758	2045	0.036			
Total	92.581	2049				