

Table S1. ANOVA of *model1* for *mic*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
REGION	2	134.8	67.39	1264	< 2.2e-16 ***
YEAR	6	5934.3	989.06	18552	< 2.2e-16 ***
Residuals	368677	19655.4	0.05		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S2. ANOVA of *modell* for *str*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
REGION	2	26512	13255.8	2967.5	< 2.2e-16 ***
YEAR	6	44815	7469.2	1672.1	< 2.2e-16 ***
Residuals	368677	1646878	4.5		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S3. ANOVA of *modell* for *UI*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
REGION	2	29020	14509.8	5563.96	< 2.2e-16 ***
YEAR	6	11233	1872.2	717.92	< 2.2e-16 ***
Residuals	368677	961444	2.6		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S4. ANOVA of *modell* for *UHML*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)
REGION	2	891	445.39	446.9	< 2.2e-16 ***
YEAR	6	8952	1491.96	1497.0	< 2.2e-16 ***
Residuals	368677	367428	1.00		

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S5. ANOVA of *model2* for *mic*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
AvgT_1	1	224.7	224.73	4438.8819	< 2.2e-16	***
MinT_1	1	60.9	60.91	1203.0932	< 2.2e-16	***
MaxT_1	1	72.0	72.04	1422.9993	< 2.2e-16	***
Hum_1	1	1864.1	1864.13	36820.6745	< 2.2e-16	***
Wind_1	1	508.7	508.73	10048.5734	< 2.2e-16	***
Rain_1	1	2388.2	2388.15	47171.4127	< 2.2e-16	***
AvgT_2	1	260.4	260.42	5143.8575	< 2.2e-16	***
MinT_2	1	373.5	373.47	7376.9186	< 2.2e-16	***
MaxT_2	1	168.6	168.59	3330.0398	< 2.2e-16	***
Hum_2	1	84.9	84.88	1676.5111	< 2.2e-16	***
Wind_2	1	17.6	17.62	347.9479	< 2.2e-16	***
Rain_2	1	59.7	59.67	1178.6341	< 2.2e-16	***
AvgT_3	1	763.7	763.72	15085.2354	< 2.2e-16	***
MinT_3	1	0.0	0.00	0.0004	0.983593	
MaxT_3	1	0.0	0.00	0.0543	0.815749	
Hum_3	1	5.3	5.33	105.2531	< 2.2e-16	***
Wind_3	1	83.2	83.18	1642.9392	< 2.2e-16	***
Rain_3	1	0.4	0.42	8.2765	0.004016	**
AvgT_4	1	44.3	44.31	875.1359	< 2.2e-16	***
MinT_4	1	79.8	79.81	1576.3667	< 2.2e-16	***
MinT_5	1	0.0	0.00	0.0032	0.954735	
Residuals	368664	18664.4	0.05			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S6. ANOVA of *model2* for *str*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
AvgT_1	1	1214	1214.2	275.7936	< 2.2e-16	***
MinT_1	1	5383	5383.4	1222.7752	< 2.2e-16	***
MaxT_1	1	8248	8248.1	1873.4655	< 2.2e-16	***
Hum_1	1	278	278.4	63.2414	1.834e-15	***
Wind_1	1	7	7.1	1.6057	0.20510	
Rain_1	1	10110	10110.0	2296.3804	< 2.2e-16	***
AvgT_2	1	26	25.9	5.8843	0.01528	*
MinT_2	1	15862	15862.2	3602.9243	< 2.2e-16	***
MaxT_2	1	1024	1023.7	232.5126	< 2.2e-16	***
Hum_2	1	17150	17149.7	3895.3512	< 2.2e-16	***
Wind_2	1	9	8.6	1.9507	0.16251	
Rain_2	1	181	180.7	41.0402	1.493e-10	***
AvgT_3	1	8222	8221.7	1867.4578	< 2.2e-16	***
MinT_3	1	1223	1222.9	277.7691	< 2.2e-16	***
MaxT_3	1	14499	14499.1	3293.3067	< 2.2e-16	***
Hum_3	1	6957	6957.4	1580.2946	< 2.2e-16	***
Wind_3	1	335	334.5	75.9877	< 2.2e-16	***
Rain_3	1	98	98.0	22.2632	2.378e-06	***
AvgT_4	1	3314	3314.1	752.7550	< 2.2e-16	***
MinT_4	1	986	986.0	223.9634	< 2.2e-16	***
MinT_5	1	1	0.8	0.1713	0.67892	
Residuals	368664	1623079	4.4			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S7. ANOVA of *model2* for *UI*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
AvgT_1	1	3365	3364.7	1310.9101	< 2.2e-16	***
MinT_1	1	14298	14298.0	5570.6873	< 2.2e-16	***
MaxT_1	1	6794	6794.0	2647.0256	< 2.2e-16	***
Hum_1	1	2555	2555.4	995.6216	< 2.2e-16	***
Wind_1	1	0	0.1	0.0524	0.818933	
Rain_1	1	3618	3618.3	1409.7405	< 2.2e-16	***
AvgT_2	1	1427	1426.6	555.8301	< 2.2e-16	***
MinT_2	1	5379	5379.5	2095.9019	< 2.2e-16	***
MaxT_2	1	758	758.5	295.5046	< 2.2e-16	***
Hum_2	1	4428	4428.3	1725.3247	< 2.2e-16	***
Wind_2	1	838	838.1	326.5421	< 2.2e-16	***
Rain_2	1	79	79.0	30.7667	2.912e-08	***
AvgT_3	1	89	88.6	34.5366	4.187e-09	***
MinT_3	1	1456	1456.0	567.2684	< 2.2e-16	***
MaxT_3	1	23	22.9	8.9366	0.002795	**
Hum_3	1	3770	3769.8	1468.7555	< 2.2e-16	***
Wind_3	1	430	430.3	167.6428	< 2.2e-16	***
Rain_3	1	966	966.3	376.4655	< 2.2e-16	***
AvgT_4	1	5	5.3	2.0659	0.150629	
MinT_4	1	5183	5183.0	2019.3438	< 2.2e-16	***
MinT_5	1	1	0.6	0.2465	0.619559	
Residuals	368664	946233	2.6			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Table S8. ANOVA of *model2* for *UHML*

	Df	Sum Sq	Mean Sq	F value	Pr(>F)	
AvgT_1	1	704	703.9	725.0471	< 2.2e-16	***
MinT_1	1	5508	5507.7	5672.9183	< 2.2e-16	***
MaxT_1	1	375	374.9	386.1574	< 2.2e-16	***
Hum_1	1	375	375.4	386.6172	< 2.2e-16	***
Wind_1	1	0	0.0	0.0089	0.9248	
Rain_1	1	2187	2187.4	2253.0011	< 2.2e-16	***
AvgT_2	1	120	120.4	123.9853	< 2.2e-16	***
MinT_2	1	316	315.8	325.3156	< 2.2e-16	***
MaxT_2	1	1127	1126.8	1160.5811	< 2.2e-16	***
Hum_2	1	1043	1042.6	1073.8461	< 2.2e-16	***
Wind_2	1	1678	1678.2	1728.5289	< 2.2e-16	***
Rain_2	1	225	224.9	231.6979	< 2.2e-16	***
AvgT_3	1	15	14.9	15.3391	8.985e-05	***
MinT_3	1	655	654.5	674.1531	< 2.2e-16	***
MaxT_3	1	994	993.5	1023.3458	< 2.2e-16	***
Hum_3	1	1459	1458.8	1502.5417	< 2.2e-16	***
Wind_3	1	60	59.9	61.7306	3.949e-15	***
Rain_3	1	172	171.7	176.8331	< 2.2e-16	***
AvgT_4	1	61	60.9	62.7054	2.407e-15	***
MinT_4	1	2271	2270.6	2338.7034	< 2.2e-16	***
MinT_5	1	1	0.8	0.8129	0.3673	
Residuals	368664	357927	1.0			

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1