|  | District | Estimate (95% CI) | p value |
| --- | --- | --- | --- |
| PM2.5 | | | |
| Average yearly trend change | Moshi | -0.253 (-0.614, 0.108) | 0.169 |
| Average yearly trend change | Siha | -0.125 (-0.429, 0.179) | 0.421 |
| Average yearly trend change | Siha - Moshi | 0.129 (-0.344, 0.601) | 0.594 |
| Average trend level | Moshi | 20.136 (19.614, 20.657) | <2e-16 |
| Average trend level | Siha | 17.741 (17.222, 18.261) | <2e-16 |
| Average trend level | Siha - Moshi | -2.394 (-3.131, -1.658) | 0 |
| Trend difference (2012-01 to 2021-12) | Moshi | -1.139 (-3.841, 1.563) | 0.409 |
| Trend difference (2012-01 to 2021-12) | Siha | -0.846 (-3.242, 1.55) | 0.489 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 0.293 (-3.319, 3.905) | 0.874 |
| Greenness | | | |
| Average yearly trend change | Moshi | -0.003 (-0.012, 0.007) | 0.563 |
| Average yearly trend change | Siha | 0.009 (0.001, 0.016) | 0.027 |
| Average yearly trend change | Siha - Moshi | 0.011 (-0.001, 0.024) | 0.065 |
| Average trend level | Moshi | 0.463 (0.455, 0.471) | <2e-16 |
| Average trend level | Siha | 0.499 (0.491, 0.508) | <2e-16 |
| Average trend level | Siha - Moshi | 0.037 (0.025, 0.048) | 0 |
| Trend difference (2012-01 to 2021-12) | Moshi | 0.092 (0.014, 0.169) | 0.021 |
| Trend difference (2012-01 to 2021-12) | Siha | 0.154 (0.094, 0.214) | 0 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 0.062 (-0.036, 0.161) | 0.214 |
| Min. temperature | | | |
| Average yearly trend change | Moshi | 0.029 (-0.015, 0.074) | 0.191 |
| Average yearly trend change | Siha | 0.036 (-0.005, 0.076) | 0.084 |
| Average yearly trend change | Siha - Moshi | 0.006 (-0.054, 0.066) | 0.837 |
| Average trend level | Moshi | 13.501 (13.414, 13.587) | <2e-16 |
| Average trend level | Siha | 14.742 (14.655, 14.829) | <2e-16 |
| Average trend level | Siha - Moshi | 1.241 (1.119, 1.364) | <2e-16 |
| Trend difference (2012-01 to 2021-12) | Moshi | 0.433 (0.025, 0.841) | 0.038 |
| Trend difference (2012-01 to 2021-12) | Siha | 0.448 (0.068, 0.827) | 0.021 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 0.015 (-0.543, 0.572) | 0.959 |
| Mean temperature | | | |
| Average yearly trend change | Moshi | 0.018 (-0.008, 0.044) | 0.182 |
| Average yearly trend change | Siha | 0.04 (0.01, 0.07) | 0.008 |
| Average yearly trend change | Siha - Moshi | 0.022 (-0.017, 0.062) | 0.269 |
| Average trend level | Moshi | 17.709 (17.641, 17.778) | <2e-16 |
| Average trend level | Siha | 19.368 (19.299, 19.436) | <2e-16 |
| Average trend level | Siha - Moshi | 1.658 (1.561, 1.755) | <2e-16 |
| Trend difference (2012-01 to 2021-12) | Moshi | 0.194 (-0.059, 0.447) | 0.133 |
| Trend difference (2012-01 to 2021-12) | Siha | 0.43 (0.147, 0.713) | 0.003 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 0.237 (-0.143, 0.616) | 0.222 |
| Max. temperature | | | |
| Average yearly trend change | Moshi | 0.003 (-0.037, 0.044) | 0.867 |
| Average yearly trend change | Siha | 0.03 (-0.011, 0.072) | 0.147 |
| Average yearly trend change | Siha - Moshi | 0.027 (-0.031, 0.085) | 0.361 |
| Average trend level | Moshi | 22.086 (21.97, 22.203) | <2e-16 |
| Average trend level | Siha | 24.469 (24.351, 24.586) | <2e-16 |
| Average trend level | Siha - Moshi | 2.382 (2.217, 2.548) | <2e-16 |
| Trend difference (2012-01 to 2021-12) | Moshi | 0.034 (-0.369, 0.438) | 0.867 |
| Trend difference (2012-01 to 2021-12) | Siha | 0.302 (-0.107, 0.711) | 0.147 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 0.268 (-0.307, 0.842) | 0.361 |
| UTCI | | | |
| Average yearly trend change | Moshi | -0.119 (-0.291, 0.052) | 0.171 |
| Average yearly trend change | Siha | 0.012 (-0.175, 0.199) | 0.900 |
| Average yearly trend change | Siha - Moshi | 0.131 (-0.122, 0.385) | 0.310 |
| Average trend level | Moshi | 29.375 (28.989, 29.762) | <2e-16 |
| Average trend level | Siha | 25.972 (25.588, 26.356) | <2e-16 |
| Average trend level | Siha - Moshi | -3.404 (-3.949, -2.859) | <2e-16 |
| Trend difference (2012-01 to 2021-12) | Moshi | -1.813 (-3.302, -0.323) | 0.017 |
| Trend difference (2012-01 to 2021-12) | Siha | -0.795 (-2.356, 0.767) | 0.319 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 1.018 (-1.14, 3.177) | 0.355 |
| Rainfall | | | |
| Average yearly trend change | Moshi | 0.965 (-0.779, 2.709) | 0.278 |
| Average yearly trend change | Siha | 1.733 (0.802, 2.663) | 0.000 |
| Average yearly trend change | Siha - Moshi | 0.768 (-1.209, 2.745) | 0.447 |
| Average trend level | Moshi | 48.131 (43.511, 52.751) | <2e-16 |
| Average trend level | Siha | 22.592 (18.686, 26.498) | <2e-16 |
| Average trend level | Siha - Moshi | -25.539 (-31.589, -19.489) | <2e-16 |
| Trend difference (2012-01 to 2021-12) | Moshi | 15.071 (-0.313, 30.455) | 0.055 |
| Trend difference (2012-01 to 2021-12) | Siha | 17.249 (7.923, 26.575) | 0.000 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 2.178 (-15.812, 20.168) | 0.812 |
| No. rain days | | | |
| Average yearly trend change | Moshi | -0.053 (-0.253, 0.147) | 0.605 |
| Average yearly trend change | Siha | 0.094 (-0.032, 0.22) | 0.143 |
| Average yearly trend change | Siha - Moshi | 0.147 (-0.09, 0.384) | 0.223 |
| Average trend level | Moshi | 4.416 (3.935, 4.897) | <2e-16 |
| Average trend level | Siha | 2.563 (2.106, 3.019) | <2e-16 |
| Average trend level | Siha - Moshi | -1.853 (-2.516, -1.191) | 0 |
| Trend difference (2012-01 to 2021-12) | Moshi | -0.081 (-2.092, 1.929) | 0.937 |
| Trend difference (2012-01 to 2021-12) | Siha | 0.934 (-0.318, 2.187) | 0.144 |
| Trend difference (2012-01 to 2021-12) | Siha - Moshi | 1.016 (-1.353, 3.385) | 0.401 |