**METHODS**

We compute the relative anomaly in the number of tweets with respect to the annual and seasonal trend for each week, fitted with data between 2016 and 2019. We compare the weeks in 2020 that have low stringency index (< 10%) with those having high stringency (> 50%). The coefficient and the intercepts are, respectively, the change in the relative anomaly (comparing low and high stringency weeks), and the relative anomaly for low stringency weeks, both expressed in %.

**RESULTS**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Park** | **Country** | **# Weeks stringency < 10%** | **# Weeks stringency > 50%** | **t-value** | **p-value** | **df** | **Coefficient ± SD** | **Intercept ± SD** | **Latitude** | **Longitude** |
| Great Smoky Mountains | USA | 8 | 22 | -2.21 | 0.057 | 8.26 | -350 ± 110 | 390 ± 100 | 35.60 | -83.51 |
| Grand Canyon | USA | 8 | 22 | -3.28 | 0.0097 | 9.02 | -32 ± 8 | -30 ± 7 | 36.18 | -112.66 |
| Rocky Mountain | USA | 8 | 22 | -5.34 | 1.5 x 10-4 | 13.04 | -210 ± 40 | 270 ± 30 | 40.36 | -105.70 |
| Zion | USA | 8 | 22 | 0.36 | 0.72 | 23.56 | 5 ± 16 | -18 ± 14 | 37.30 | -113.03 |
| Yellowstone | USA | 8 | 22 | -1.99 | 0.085 | 7.48 | -170 ± 50 | 130 ± 50 | 44.60 | -110.55 |
| Jasper | CAN | 10 | 21 | -1.65 | 0.13 | 9.69 | -340 ± 150 | 400 ± 120 | 52.85 | -117.98 |
| Kluane | CAN | 10 | 21 | -1.95 | 0.080 | 9.91 | -230 ± 90 | 260 ± 70 | 60.63 | -139.20 |
| Torres del Paine | CHL | 10 | 20 | 2.39 | 0.024 | 26.18 | 170 ± 90 | 20 ± 80 | -51.03 | -73.09 |
| Iguazú | ARG | 3 | 21 | -4.70 | 0.0091 | 5.07 | -70 ± 20 | 20 ± 20 | -25.67 | -54.31 |
| Plitvice | HRV | 4 | 11 | -3.03 | 0.0098 | 12.70 | -150 ± 80 | 120 ± 60 | 44.85 | 15.59 |
| Lake District | GBR | 4 | 21 | -5.90 | 0.0057 | 3.78 | -104 ± 14 | 66 ± 13 | 54.47 | -3.07 |
| Kruger | ZAF | 9 | 21 | -4.94 | 4.3 x 10-4 | 11.39 | -75 ± 13 | 44 ± 11 | -24.01 | 31.48 |
| Masai Mara | KEN | 8 | 22 | -0.30 | 0.77 | 11.59 | -2 ± 7 | -66 ± 6 | -1.47 | 35.11 |
| Serengeti | TZA | 11 | 5 | -1.09 | 0.30 | 11.08 | -750 ± 1000 | 1100 ± 600 | -2.33 | 34.78 |
| Uluru-Kata | AUS | 3 | 19 | 0.78 | 0.44 | 18.67 | 50 ± 160 | -50 ± 150 | -25.32 | 130.99 |
| Fiordland | NZL | 3 | 8 | -0.66 | 0.55 | 4.34 | -70 ± 100 | 70 ± 90 | -45.39 | 167.34 |
| Sagarmatha | NPL | 4 | 21 | -3.56 | 0.032 | 3.40 | -47 ± 8 | -5 ± 8 | 27.93 | 86.72 |

|  |  |  |
| --- | --- | --- |
| **Park (Country)**  **T: number of tweets from 2016-01-01** | **Map** | **Anomaly** |
| Great Smoky Mountains (USA)  T=22145 |  |  |
| Grand Canyon (USA)  T=49690 |  |  |
| Rocky Mountain (USA)  T=56515 |  |  |
| Yellowstone (USA)  T=31795 |  |  |
| Jasper (Canada)  T=18179 |  |  |
| Kluane (Canada)  T=2135 |  |  |
| Iguazú (Argentina)  T=10479 |  |  |
| Plitvice (Croatia)  T=6946 |  |  |
| Lake District (UK)  T=91985 |  |  |
| Kruger (South Africa)  T=13357 |  |  |
| Sagarmatha (Nepal)  T=16802 |  |  |