|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table 1: Best fit GAM seasonality in TB case counts across the entire time series** | | | | | |
| **TB-type** | **% Deviance explained** | **smoothing term** | **edf on smoother** | **chi-sq. value** | **p-value** |
| 1 | 17.1 | Date | 4.5 | 30.56 | 1.58x10-5\*\*\* |
| 2 | 33.6 | Date | 5.57 | 42.75 | 2.34x10-7\*\*\* |
| 3 | 37.7 | Date | 5.13 | 37.95 | 1.26x10-6\*\*\* |
| 4 | 18.5 | Date | 1.68 | 8.10 | .0181\*\* |
| \*Statistical significance by p-value standard <.1\*, <.05\*\*, <.01\*\*\*. | | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table 2: Best fit GAM seasonality in TB case counts within a year** | | | | | | |
| **TB-type** | **% Deviance explained** | **smoothing term** | **edf on smoother** | **chi-sq. value** | **p-value** |
| 1 | 18.4 | Month | 1.89 | 34.26 | 1.36x10-8\*\*\* |
| Year  (random effect) | 1.46x10-6 | 0 | .061\* |
| 2 | 4.31 | Month | 1.44 | 4.49 | .0445\*\* |
| Year  (random effect) | 5.36x10-7 | 0 | .0243\*\* |
| 3 | 3.51 | Month | 1.124 | 2.568 | .1019 |
| Year  (random effect) | 1.46x10-6 | 0 | .0918\* |
| 4 | 17.4 | Month | 1.32 | 2.969 | .1084 |
| Year  (random effect) | .8532 | 4.486 | .0213\*\* |
| \*Statistical significance by p-value standard <.1\*, <.05\*\*, <.01\*\*\*. Note that Fig. 2, random effects of year are silenced for visualization purposes. | | | | | | |