

CaseRegression

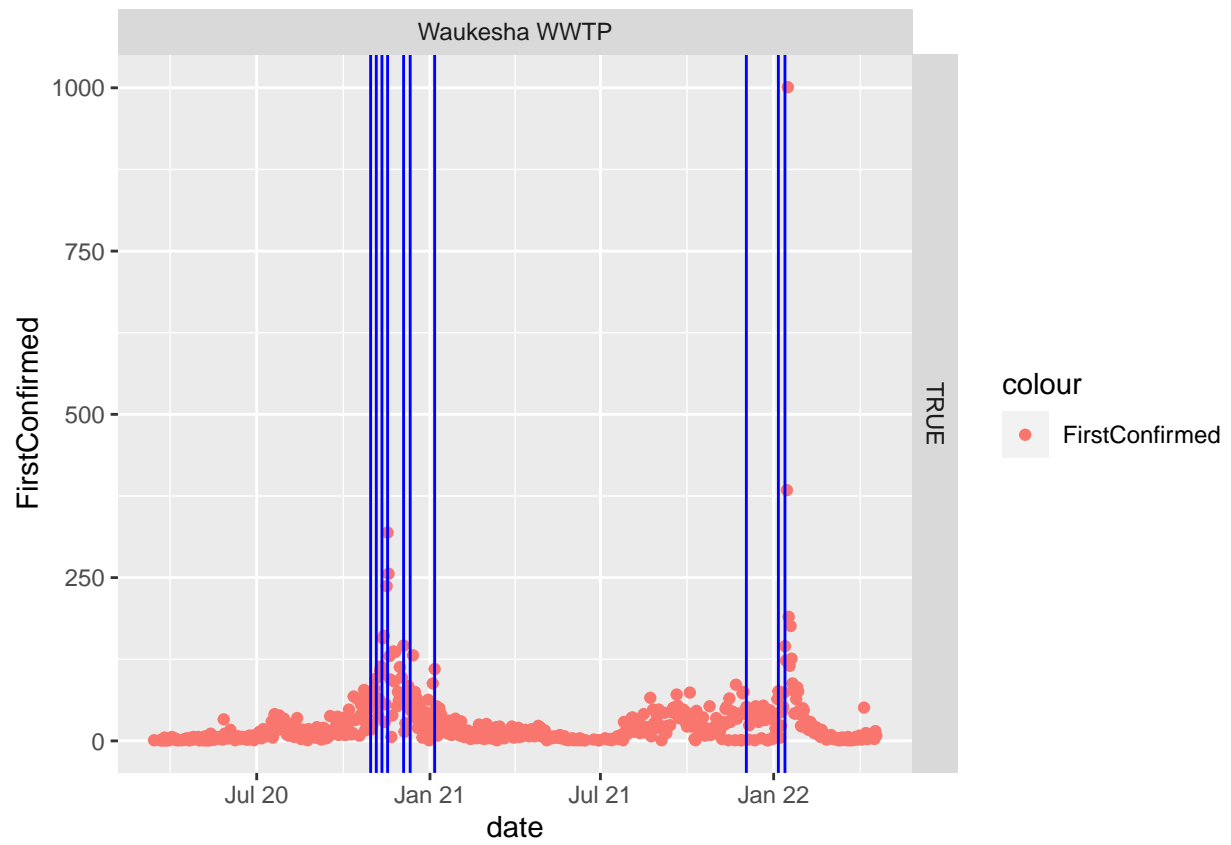
Marlin

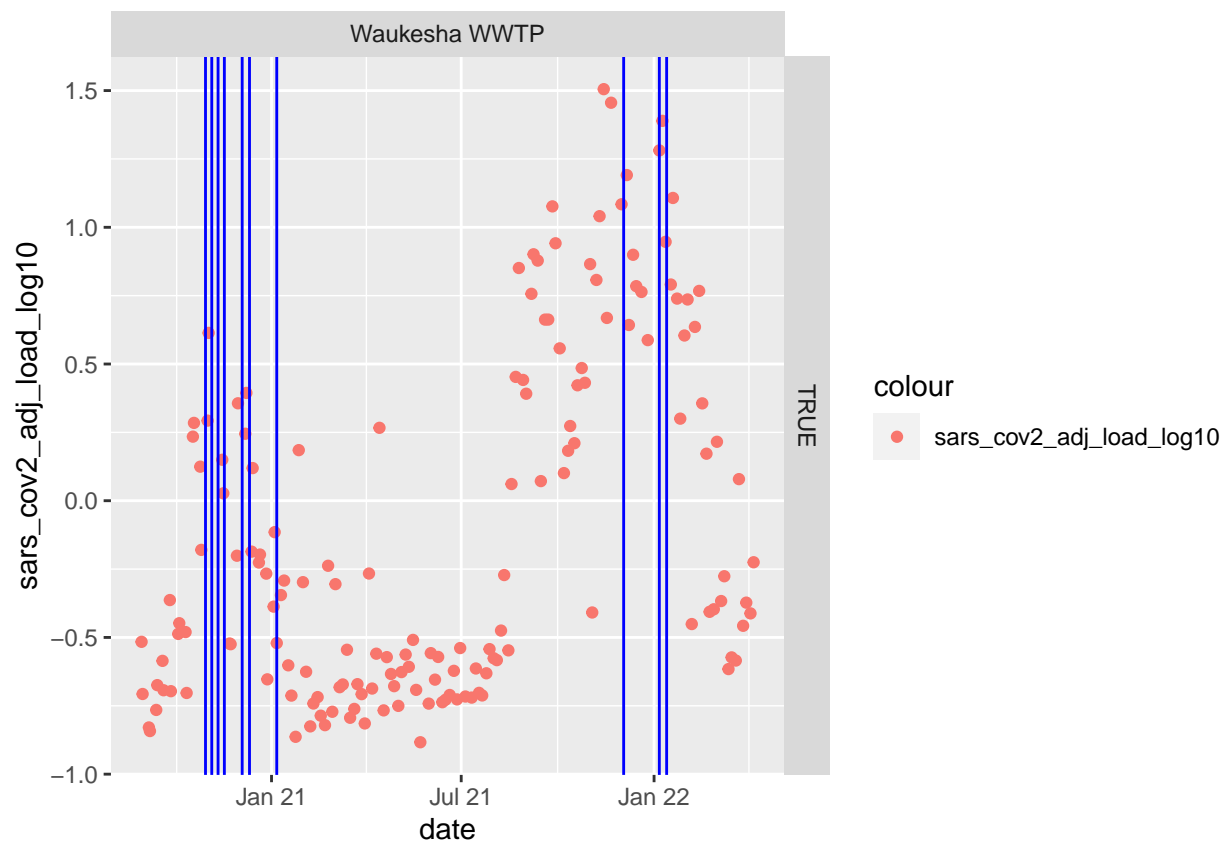
2022-07-27

```
## [1] "Waukesha WWTP"          "FirstConfirmed.Per100K"
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## [1] "Ashland Sewage Utility"
## [2] "Beloit WWTF"
## [3] "Berlin WWTF"
## [4] "Black River Falls WWTF"
## [5] "Burlington WPCC"
## [6] "Clintonville Wastewater Utility"
## [7] "Columbus WWTF"
## [8] "Green Bay MSD"
## [9] "Heart of the Valley MSD"
## [10] "Hudson WWTF"
## [11] "Janesville WW Utility"
## [12] "Kenosha WWTF"
## [13] "La Crosse WWTP"
## [14] "Marinette Wastewater Utility"
## [15] "Marshfield WWTF"
## [16] "Milwaukee MSD Jones Island"
## [17] "Milwaukee MSD South Shore"
## [18] "Monroe WWTF"
## [19] "New Richmond WWTF"
## [20] "Oshkosh WWTP"
## [21] "Peshtigo WWTF"
## [22] "Platteville WWTF"
## [23] "Plymouth Utilities WWTF"
## [24] "Portage WWTF"
## [25] "Racine Wastewater Utility"
## [26] "River Falls Municipal Utility WWTF"
## [27] "Sheboygan WWTP"
## [28] "Sparta WWTF"
## [29] "Stevens Point WWTF"
## [30] "Superior WWTP"
## [31] "Waupaca WWTF"
## [32] "Whitewater WWTF"
## [33] "Wisconsin Rapids WWTF"
## [34] "Appleton WWTF"
## [35] "Baraboo WWTF"
## [36] "De Pere WWTF"
## [37] "Eau Claire WWTF"
## [38] "Fox River WPCC"
## [39] "Lodi WWTF"
## [40] "Madison"
```

[41] "Merrill WWTP"
[42] "South Milwaukee WWTF"
[43] "Waukesha WWTP"
[44] "Cedarburg WWTF"
[45] "Chippewa Falls WWTF"
[46] "Grafton Water & Wastewater Utility"
[47] "Hartford WPCF"
[48] "Lake Geneva WWTP"
[49] "Manitowoc WWTF"
[50] "Mauston WWTF"
[51] "Menomonie WWTF"
[52] "Oconomowoc WWTP"
[53] "Port Washington WWTP"
[54] "Rib Mountain MSD WWTF"
[55] "Spoonerville WWTP"
[56] "Sun Prairie WWTF"
[57] "Washburn WWTP"
[58] "Watertown WWTP"
[59] "Wausau Water Works WWTF"
[60] "Algoma WWTF"
[61] "Hayward WPCF"
[62] "Lac du Flambeau Tribal Water & Sewer"
[63] "Rhineland WWTP"
[64] "Rib Lake WWTF"
[65] "Spencer WWTP"
[66] "Sturgeon Bay Utilities WWTF"
[67] "Viroqua WWTF"
[68] "Red Cliff WWTP"





```
## # A tibble: 34 x 10
##   WWTP    date      popul~1 n1_sa~2 n2_sa~3 avera~4 geoMean sars_~5    n quint
##   <chr> <date>      <dbl>  <dbl>  <dbl>  <dbl>  <dbl>  <dbl> <int> <dbl>
## 1 Algom~ 2020-10-06    3171   10000   16500   0.498  1.28e4  0.305    34 NA
## 2 Algom~ 2020-10-13    3171   52846  55955   0.499  5.44e4  0.932    34 NA
## 3 Algom~ 2020-10-20    3171   40090   16500   0.402  2.57e4  0.513    34 2.08
## 4 Algom~ 2020-10-27    3171  183437  165726   0.67   1.74e5  1.57     34 2.08
## 5 Algom~ 2020-11-03    3171 1574735 1896871   0.489  1.73e6  2.43     34 2.08
## 6 Algom~ 2020-11-10    3171  267387  232507   0.463  2.49e5  1.56     34 2.08
## 7 Algom~ 2020-11-17    3171   75686  125985   0.76   9.76e4  1.37     34 2.18
## 8 Algom~ 2020-11-24    3171  209814  235780   0.533  2.22e5  1.57     34 1.73
## 9 Algom~ 2020-12-01    3171  443628  375413   0.515  4.08e5  1.82     34 1.73
## 10 Algom~ 2020-12-08    3171  264854  277608   0.471  2.71e5  1.61     34 1.73
## # ... with 24 more rows, and abbreviated variable names 1: population_served,
## # 2: n1_sars_cov2_conc, 3: n2_sars_cov2_conc, 4: average_flow_rate,
## # 5: sars_cov2_adj_load_log10
## # i Use 'print(n = ...)' to see more rows
```

```
## # A tibble: 34 x 9
##   WWTP    date      popula~1 n1_sa~2 n2_sa~3 avera~4 geoMean sars_~5    n
##   <chr> <date>      <dbl>  <dbl>  <dbl>  <dbl>  <dbl>  <dbl> <int>
## 1 Algoma WWTF 2020-10-06    3171   10000   16500   0.498  1.28e4  0.305    34
## 2 Algoma WWTF 2020-10-13    3171   52846  55955   0.499  5.44e4  0.932    34
## 3 Algoma WWTF 2020-10-20    3171   40090   16500   0.402  2.57e4  0.513    34
## 4 Algoma WWTF 2020-10-27    3171  183437  165726   0.67   1.74e5  1.57     34
```

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## 5 Algoma WWTF 2020-11-03      3171 1574735 1896871    0.489 1.73e6 2.43    34
## 6 Algoma WWTF 2020-11-10      3171 267387 232507    0.463 2.49e5 1.56    34
## 7 Algoma WWTF 2020-11-17      3171 75686 125985    0.76 9.76e4 1.37    34
## 8 Algoma WWTF 2020-11-24      3171 209814 235780    0.533 2.22e5 1.57    34
## 9 Algoma WWTF 2020-12-01      3171 443628 375413    0.515 4.08e5 1.82    34
## 10 Algoma WWTF 2020-12-08     3171 264854 277608    0.471 2.71e5 1.61    34
## # ... with 24 more rows, and abbreviated variable names 1: population_served,
## # 2: n1_sars_cov2_conc, 3: n2_sars_cov2_conc, 4: average_flow_rate,
## # 5: sars_cov2_adj_load_log10
## # i Use 'print(n = ...)' to see more rows

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