# Example Data Vignette

#Example data This data is only meant to be used in vignettes or testing. To view the full data use: data(WasteWater_data, package = "Covid19Wastewater")

This data comes from our wastewater and case data merged together by site and date. Then filtered with by 3 sites; Green Bay, Janesville, and Mauston. Then a new column is added; geo_mean which is the geometric mean of N1 and N2. This gives roughly 500 rows to work with for examples across different sized sites over a large time frame.

This columns are all the same as the wastewater data. https://github.com/UW-Madison-DSI/ Covid19Wastewater/blob/main/docs/data/data_columns_discription.md

| date | site | tests | prob_case_pos | conf_case | prob_death | conf_death | sample_id | N1 | N2 | PMMoV | flow | ph | pcr_type | n1_sars | n2_cov2 | n2_slod | n1_lod | n2_lod | n1_lod_lge | geo_mean |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2020-08-23 | Green Bay | 365 | 0 | 2 | 0 | 0 | 260 | 7449.4 | 6464 | NA | 18.36 | 736 | droplet digital PCR | FALSE | FALSE | 223678 | 449372 | 467005 | | 766.716 |
| 2020-08-24 | Green Bay | 142 | 0 | 18 | 0 | 0 | 261 | 7891.4 | 7321 | NA | 22.00 | 741 | droplet digital PCR | FALSE | FALSE | 237178 | 913945 | 761046 | | 111.258 |
| 2020-08-30 | Green Bay | 290 | 0 | 0 | 0 | 0 | 276 | 5023.4 | 2586 | NA | 19.90 | 733 | droplet digital PCR | FALSE | FALSE | 233776 | 923895 | 701542 | | 799.834 |
| 2020-08-31 | Green Bay | 194 | 2 | 37 | 0 | 0 | 277 | 8743.4 | 2524 | NA | 22.66 | 734 | droplet digital PCR | FALSE | FALSE | 232576 | 643878 | 698662 | | 289.216 |
| 2020-09-06 | Green Bay | 187 | 0 | 13 | 0 | 0 | 284 | 8409.2 | 6736 | NA | 16.49 | 761 | droplet digital PCR | FALSE | FALSE | 206868 | 973448 | 620847 | | 796.735 |
| 2020-09-07 | Green Bay | 318 | 0 | 0 | 0 | 0 | 285 | 12075.0 | 4646 | NA | 17.66 | 705 | droplet digital PCR | FALSE | FALSE | 212878 | 935476 | 288486 | | 613.904 |