

# Example Data Vignette

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

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 dataframe contains all columns dropped from the main wastewater dataframe. It is merged using [https://github.com/AFIDSI/DSIWastewater/blob/main/docs/data/data\\_disc.md](https://github.com/AFIDSI/DSIWastewater/blob/main/docs/data/data_disc.md)

| sample_id | hf183 | tss | conductivity | temperature | bod | do  | bcov_rec_rate |
|-----------|-------|-----|--------------|-------------|-----|-----|---------------|
| 802       | NA    | NA  | 2930         | NA          | NA  | NA  | NA            |
| 827       | NA    | NA  | 2360         | NA          | NA  | NA  | NA            |
| 819       | NA    | 68  | 1244         | 12.3        | 101 | NA  | NA            |
| 544867001 | NA    | NA  | 880          | 10.8        | NA  | NA  | NA            |
| 544887001 | NA    | NA  | 887          | 11.7        | NA  | 3.8 | NA            |
| 813       | NA    | NA  | 1172         | NA          | NA  | NA  | NA            |

| sample_type | wwtp_comments | quant_stan_ref | n2_num_ntc_amplify |
|-------------|---------------|----------------|--------------------|
| NA          | NA            | NA             | NA                 |
| NA          | NA            | NA             | NA                 |
| NA          | NA            | NA             | NA                 |
| NA          | NA            | NA             | NA                 |
| NA          | NA            | NA             | NA                 |
| NA          | NA            | NA             | NA                 |

| avg_sars_cov2_conc | inhibition_detect | inhibition_adjust | analytical_comments |
|--------------------|-------------------|-------------------|---------------------|
|                    | NA                | NA                | NA                  |
|                    | NA                | NA                | NA                  |
|                    | NA                | NA                | NA                  |
|                    | NA                | NA                | NA                  |
|                    | NA                | NA                | NA                  |
|                    | NA                | NA                | NA                  |

| inhibition_detect | inhibition_adjust | analytical_comments | equiv_sewage_amt |
|-------------------|-------------------|---------------------|------------------|
| NA                | NA                | NA                  | NA               |
| NA                | NA                | NA                  | NA               |

| inhibition_detect | inhibition_adjust | analytical_comments | equiv_sewage_amt |
|-------------------|-------------------|---------------------|------------------|
| NA                | NA                | NA                  | NA               |
| NA                | NA                | NA                  | NA               |
| NA                | NA                | NA                  | NA               |
| NA                | NA                | NA                  | NA               |

| column name         | na %      |
|---------------------|-----------|
| sample_id           | 0.0000000 |
| hf183               | 0.9698558 |
| tss                 | 0.8746849 |
| conductivity        | 0.4028632 |
| temperature         | 0.5710253 |
| bod                 | 0.8756931 |
| do                  | 0.7784051 |
| bcov_rec_rate       | 0.6428067 |
| sample_type         | 0.6428067 |
| wwtp_comments       | 0.8830527 |
| quant_stan_ref      | 0.6428067 |
| n2_num_ntc_amplify  | 0.6428067 |
| avg_sars_cov2_conc  | 0.6428067 |
| inhibition_detect   | 0.6428067 |
| inhibition_adjust   | 0.6428067 |
| analytical_comments | 0.9813489 |
| equiv_sewage_amt    | 0.6428067 |