Longitudinal Case data

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Case data

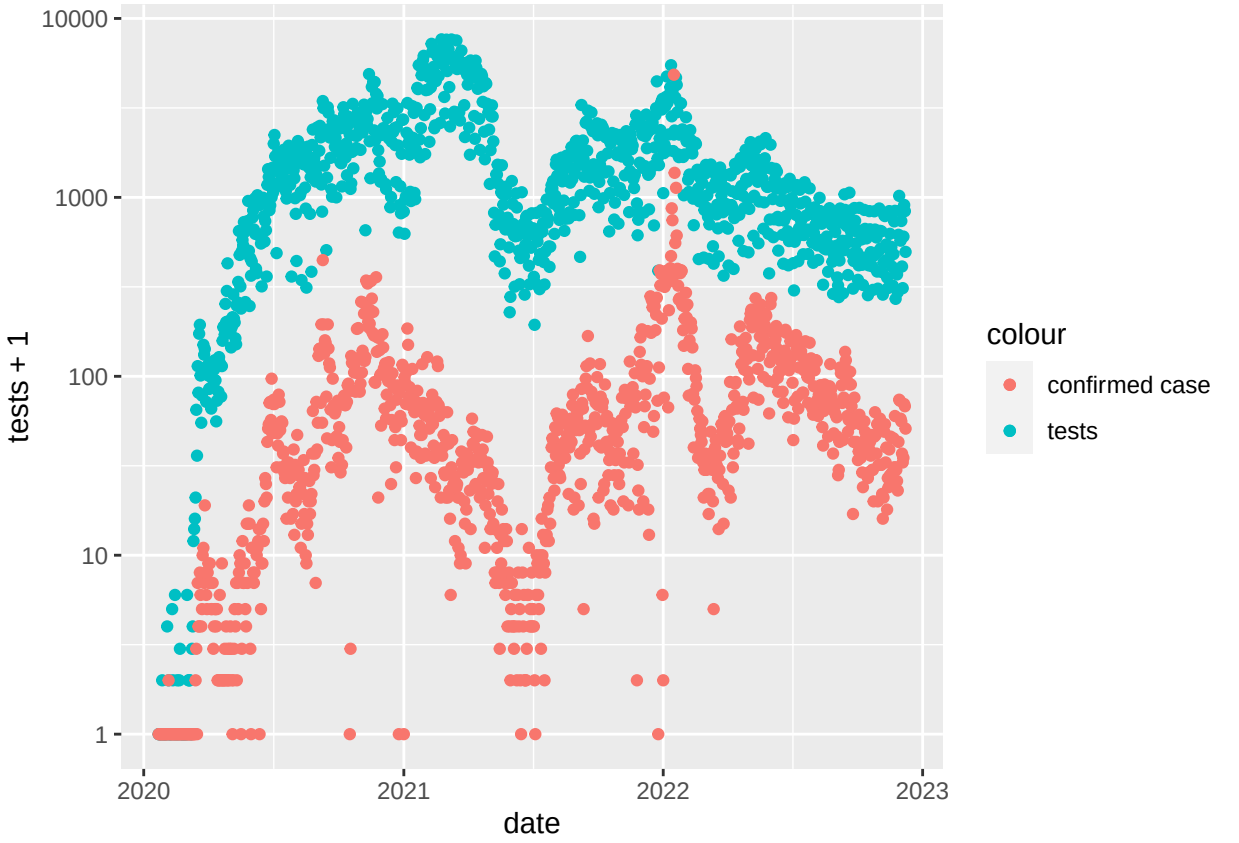
This vignette covers the Case data reported by the Wisconsin Department of Health services. This data covers 150 weeks of daily reports from 63 locations. This has 7 columns where 2 are categorical variables and the other 5 are different reports of Covid spread.

```
library(DSIWastewater)
library(dplyr)
library(ggplot2)

data(Case_data, package = "DSIWastewater")
```

```
main_plot <- Case_data%>%
  filter(site == "Madison")%>%
  ggplot(aes(x = date), size = .3)+
  geom_point(aes(y = tests + 1, color = "tests"))+
  geom_point(aes(y = conf_case + 1, color = "confirmed case"))+
  scale_y_log10()

main_plot
```




```
head(Case_data)
```

```
## # A tibble: 6 x 7
##   site   date       tests prob_case conf_case prob_death conf_death
##   <chr>  <date>     <int>     <int>     <int>      <int>      <int>
## 1 Algoma 2020-01-22     0         0         0          0          0
## 2 Algoma 2020-01-23     0         0         0          0          0
## 3 Algoma 2020-01-24     0         0         0          0          0
## 4 Algoma 2020-01-25     0         0         0          0          0
## 5 Algoma 2020-01-26     0         0         0          0          0
## 6 Algoma 2020-01-27     0         0         0          0          0
```

This data comes is our most used data that is used in many analysis. A couple of the most used ones are below. WPHA Poster SETAC Poster