

Example 2: Temperature

```
library(GSODR)
library(dplyr)
copenhagen ← nearest_stations(LAT = 55.676098,
                              LON = 12.568337,
                              distance = 50)

austin ← nearest_stations(LAT = 30.267153,
                          LON = -97.7430608,
                          distance = 50)

copenhagen_temp ← get_GSOD(2018, station=copenhagen)
austin_temp ← get_GSOD(2018, station = austin)

january ← bind_rows(copenhagen_temp, austin_temp)%>%
  filter(MONTH = '01') %>%
  distinct(YDAY, STNID, .keep_all = TRUE) %>%
  mutate(location = if_else(
    STNID %in% copenhagen, 'Copenhagen', 'Austin'
  ))
select(january, YDAY, TEMP, location, STNID)
```

```
## # A tibble: 507 x 4
##       YDAY  TEMP location  STNID
##   <dbl> <dbl> <chr>    <chr>
## 1     1     5.7 Copenhagen 026110-99999
## 2     2     4.7 Copenhagen 026110-99999
## 3     3     3.2 Copenhagen 026110-99999
## 4     4     3.1 Copenhagen 026110-99999
## 5     5     2.2 Copenhagen 026110-99999
## 6     6     0.4 Copenhagen 026110-99999
## 7     7    -2.2 Copenhagen 026110-99999
## 8     8    -0.2 Copenhagen 026110-99999
## 9     9     1.3 Copenhagen 026110-99999
## 10    10     3   Copenhagen 026110-99999
## # ... with 497 more rows
```


Example 2

Static Version

```
p ← ggplot(january) +  
  geom_line(aes(x = YDAY, y = TEMP,  
                colour = location,  
                group = STNID)) +  
  scale_colour_brewer(type = 'qual') +  
  theme(legend.position = 'bottom') +  
  labs(x = 'Day of Month',  
        y = 'Temperature (celcius)',  
        colour = NULL)
```

p

