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
```