Norwegian Air Pollution Study: Nitrogen Dioxide

Variable descriptions:

- `no2`: logarithm of nitrogen dioxide (particle) concentration
- `lcph`: logarithm of number of cars per hour at a particular road
- `temp`: air temperature 2 meters above ground (degrees Celsius)
- `wind_speed`: wind speed (meters/second)
- `temp_diff`: temperature difference between 2 and 5 meters above ground (degrees Celsius)
- `wind_dir`: wind direction (degrees between 0 and 360)
- `hour_day`: hour of day at time of observation
- `day_number`: day number from October 1, 2001
- `AM_PM`: categorical hour of day; AM if `hour_day` < 12, else PM
- `temp_diff_bin`: categorical `temp_diff`; neg if `temp_diff` < 0, else pos
- `wind_dir_bin`: categorical `wind_dir`; lt120 if `wind_dir` < 120, else gte120
- `wind_speed_bin`: categorical `wind speed`; lt4 if `wind_speed` < 4, else gte4

How to read into R:

```
library(readr)

no2 <- read_csv("https://marievozanne.github.io/NO2.csv")
```

```
## Parsed with column specification:
## cols(
##   no2 = col_double(),
##   lcph = col_double(),
##   temp = col_double(),
##   wind_speed = col_double(),
##   temp_diff = col_double(),
##   wind_dir = col_double(),
##   hour_day = col_double(),
##   day_number = col_double(),
##   AM_PM = col_character(),
##   temp_diff_bin = col_character(),
##   wind_dir_bin = col_character(),
##   wind_speed_bin = col_character()
## )
```

Reference:

Data source: http://lib.stat.cmu.edu/datasets/