

## Toronto\_60435\_2018\_Day193to199.csv

The results below are what the student results should look like for the Toronto\_60435\_2018\_Day193to199.csv dataset used in CHM 135 Experiment 1.

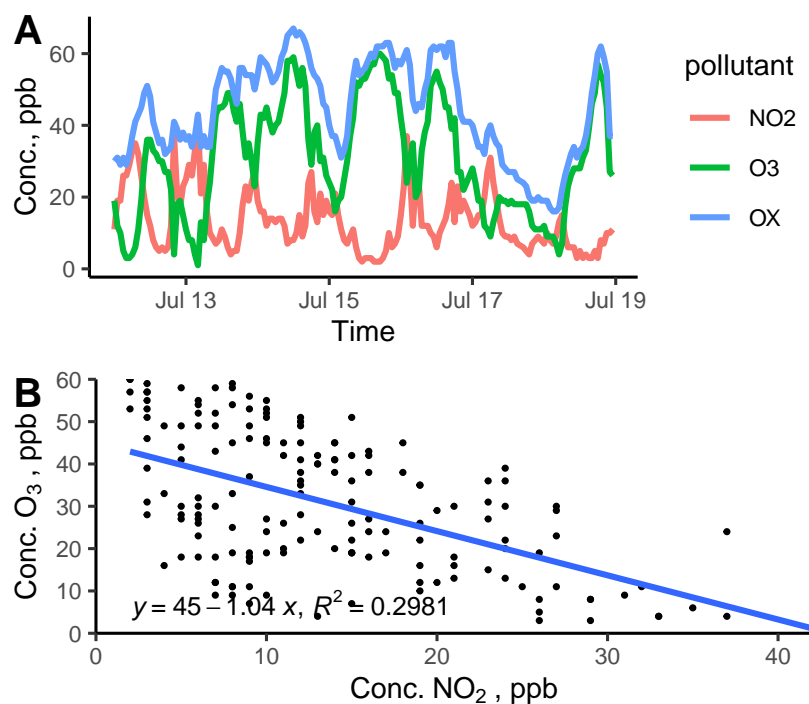


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

| pollutant | mean | sd   | median | min | max |
|-----------|------|------|--------|-----|-----|
| NO2       | 13.5 | 8.5  | 12     | 2   | 42  |
| O3        | 30.9 | 16.2 | 30     | 1   | 60  |
| OX        | 44.4 | 13.6 | 45     | 16  | 67  |
| NO2_8hr   | 13.5 | 6.8  | 13     | 2   | 30  |
| O3_8hr    | 31.1 | 14.7 | 31     | 6   | 58  |
| OX_8hr    | 44.6 | 12.7 | 45     | 18  | 65  |

Table 1: Summary statistics for 1 hr and 8hr concentration of pollutants, all concentrations are in ppb.

### Notes on results:

Students are **not** expected to calculate *mean*, *sd*, and *median* of 8 hr averages. If student *sd* values differ slightly from provided *sd* values, they may have used the *STDEV.P* function rather than *STDEV.S* in Excel calculations. Do not subtract points, but make a note of it.