## *Toronto_60435_2019_Day14to20.csv*

The results below are what the student results should look like for the Toronto_60435_2019_Day14to20.csv dataset used in CHM 135 Experiment 1.

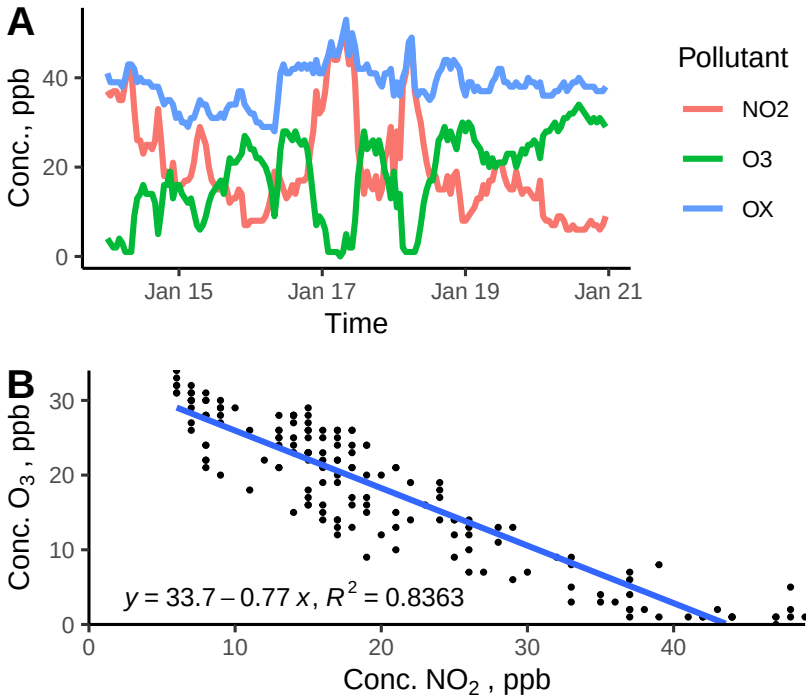


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of $O_3$ vs. $NO_2$; the equation of the line is displayed in the lower left corner.

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

| Pollutant | mean | sd | median | min | max |
|---|---|---|---|---|---|
| NO2 | 20.2 | 11.3 | 17 | 6 | 49 |
| O3 | 18.1 | 9.5 | 20 | 0 | 34 |
| OX | 38.3 | 4.6 | 38 | 28 | 53 |
| NO2_8hr | 20.1 | 10.1 | 17 | 6 | 46 |
| O3_8hr | 18.2 | 8.5 | 20 | 1 | 32 |
| OX_8hr | 38.3 | 4.2 | 39 | 29 | 48 |

*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 substract points, but make a note of it.