

*Toronto\_60433\_2018\_Day183to189.csv*

The results below are what the student results should look like for the Toronto\_60433\_2018\_Day183to189.csv dataset used in CHM 135 Experiment 1.

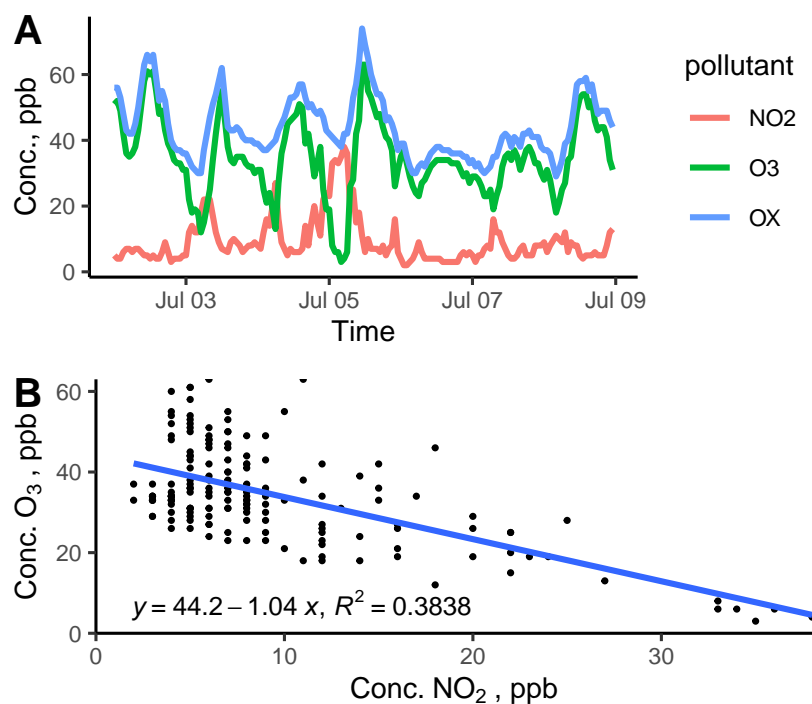


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O<sub>3</sub> vs. NO<sub>2</sub>; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	9.4	7.1	7	2	38
O3	34.5	12.0	34	3	63
OX	43.8	9.4	42	29	74
NO2_8hr	9.4	6.3	7	3	33
O3_8hr	34.2	10.0	34	7	56
OX_8hr	43.6	8.3	41	32	64

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.