

*Toronto\_60410\_2018/Toronto\_60410\_2018\_Day185to191.csv*

The results below are what the student results should look like for the Toronto\_60410\_2018/Toronto\_60410\_2018\_Day185to191.csv dataset used in CHM 135 Experiment 1.

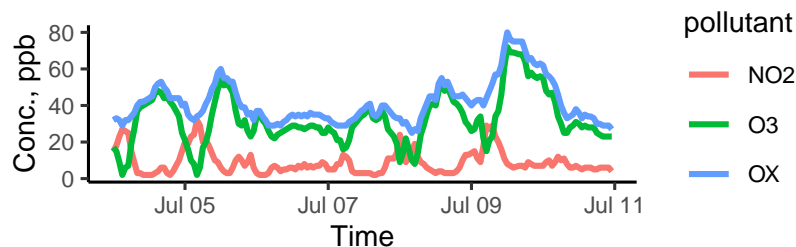


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

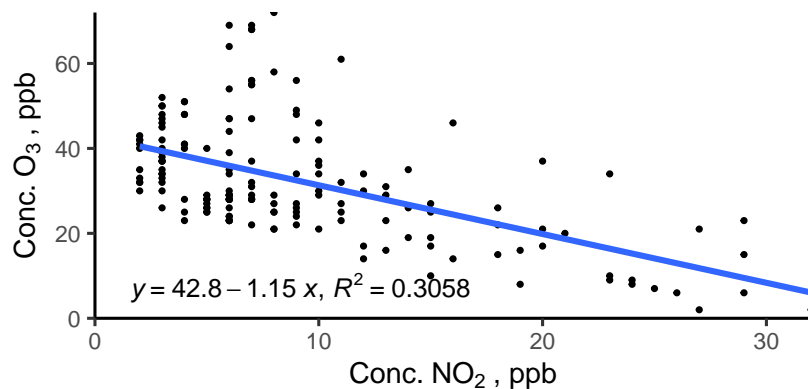


Figure 2: Correlation plot of O<sub>3</sub> vs. NO<sub>2</sub>; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	9.1	6.7	7	2	32
O3	32.4	13.9	29	2	72
OX	41.5	11.6	38	25	80
NO2_8hr	8.9	5.4	7	2	24
O3_8hr	32.9	12.1	29	11	67
OX_8hr	41.9	10.9	38	29	75

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.