

## Toronto\_60410\_2018\_Day1to7.csv

The results below are what the student results should look like for the Toronto\_60410\_2018\_Day1to7.csv dataset used in CHM 135 Experiment 1.

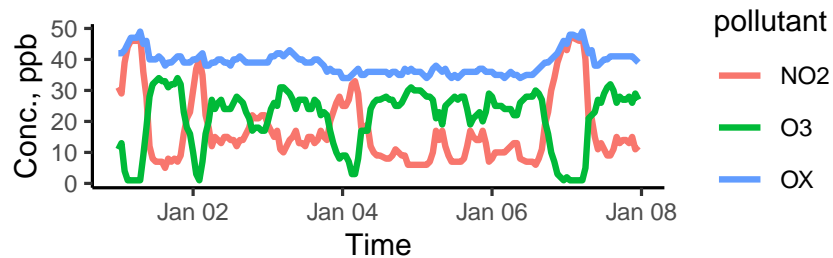


Figure 1: Time series of pollutant concentration.

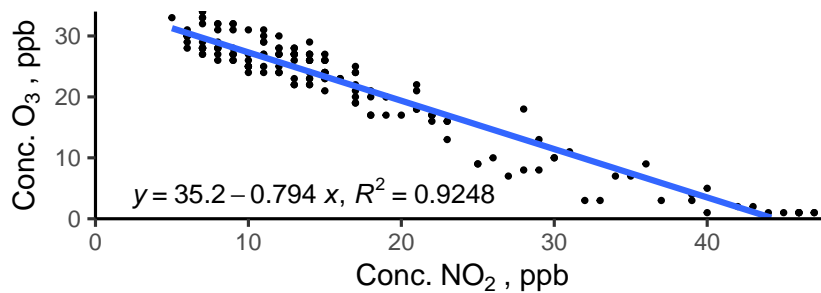


Figure 2: Correlation plot of O<sub>3</sub> vs. NO<sub>2</sub>; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO <sub>2</sub>	17.5	11.2	14	5	48
O <sub>3</sub>	21.4	9.2	24	1	34
OX	38.8	3.4	39	34	49

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

**Question 13:** The highest 8-hour mean O<sub>3</sub> concentration that includes the highest concentration of O<sub>3</sub> identified in question 12 is **32.75 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.