

Toronto_60435_2019_Day12to18.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day12to18.csv dataset used in CHM 135 Experiment 1.

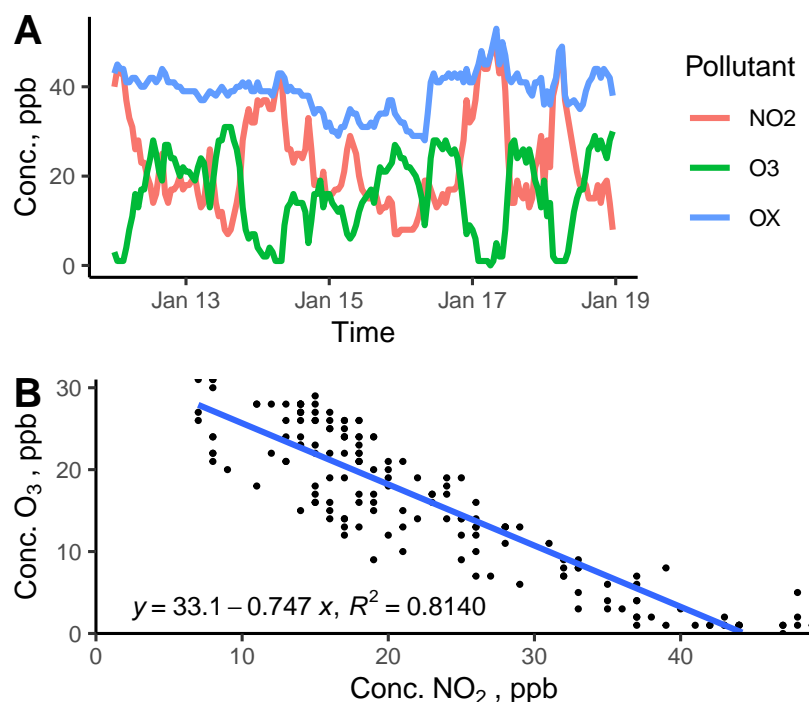


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	23.0	10.9	19	7	49
O ₃	16.0	9.0	17	0	31
OX	39.0	4.8	40	28	53
NO ₂ _8hr	22.8	9.4	19	8	46
O ₃ _8hr	16.0	7.7	17	1	29
OX_8hr	38.8	4.3	40	29	48

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.