

Toronto_60435_2019_Day2to8.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day2to8.csv dataset used in CHM 135 Experiment 1.

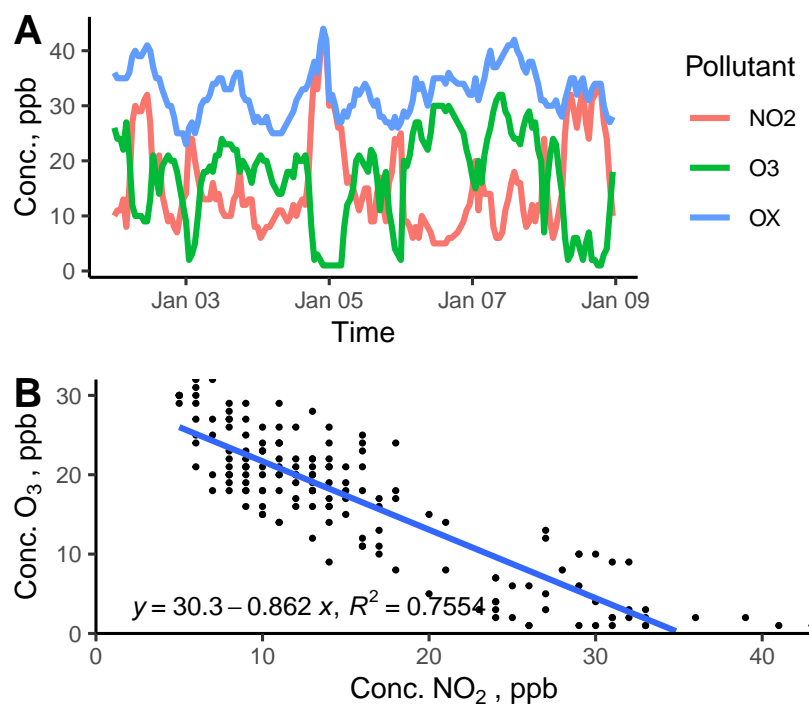


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	15.7	8.6	13	5	43
O ₃	16.8	8.6	18	1	32
OX	32.5	4.4	33	23	44
NO ₂ _8hr	15.7	7.4	13	5	36
O ₃ _8hr	16.8	7.5	18	1	30
OX_8hr	32.5	3.9	33	25	40

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.