

Toronto_60435_2018_Day13to19.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day13to19.csv dataset used in CHM 135 Experiment 1.

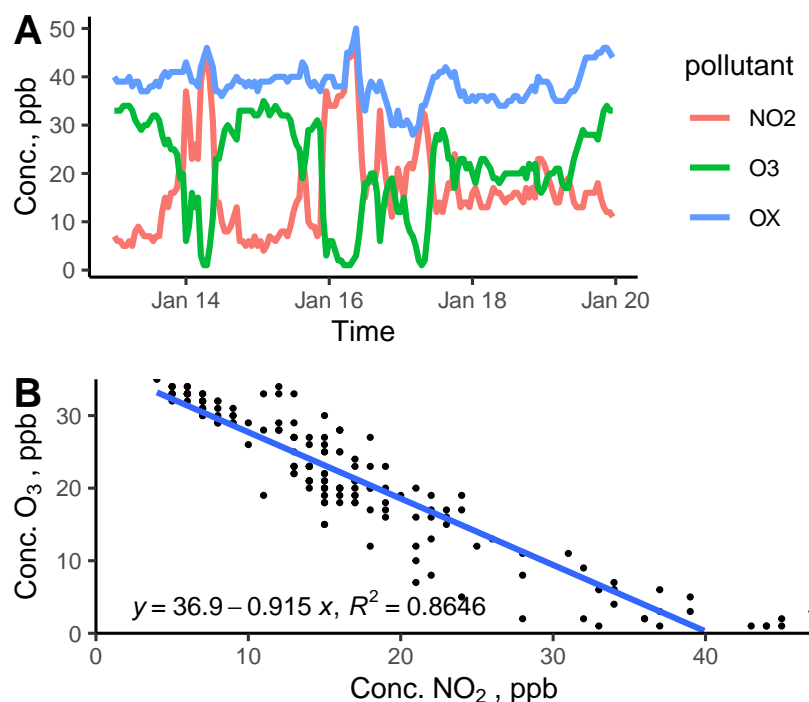


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	17.1	9.8	15	4	47
O3	21.2	9.6	22	1	35
OX	38.3	3.6	38	28	50
NO2_8hr	17.4	8.4	16	5	41
O3_8hr	20.8	8.5	21	2	33
OX_8hr	38.2	3.0	39	30	45

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.