

Toronto_60435_2018_Day184to190.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day184to190.csv dataset used in CHM 135 Experiment 1.

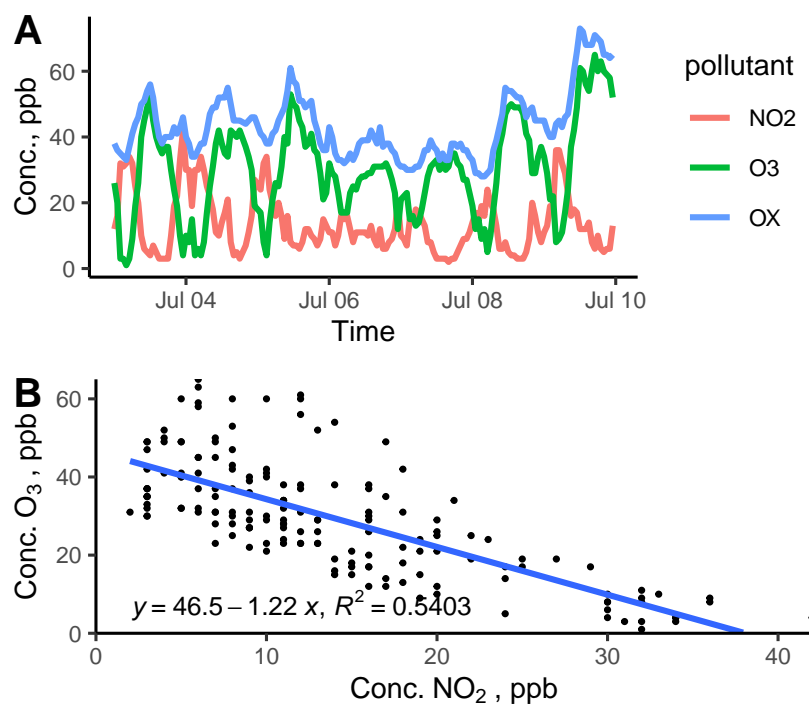


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	13.7	8.9	11	2	42
O3	29.8	14.7	30	1	65
OX	43.5	10.2	41	28	73
NO2_8hr	13.6	7.1	12	3	31
O3_8hr	29.6	12.2	29	7	61
OX_8hr	43.2	9.1	42	29	70

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.