

Toronto_60435_2018_Day191to197.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day191to197.csv dataset used in CHM 135 Experiment 1.

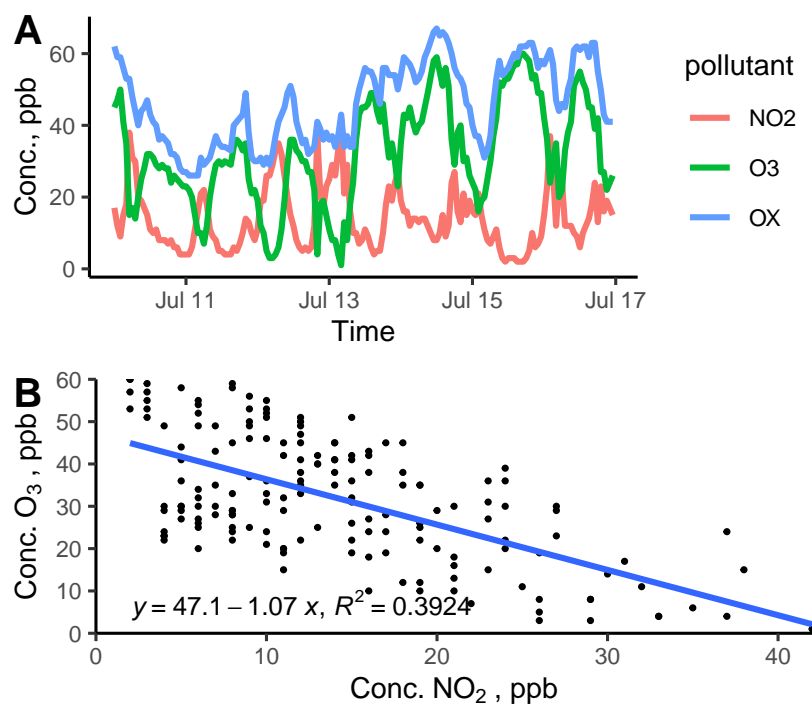


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	14.1	8.6	12	2	42
O3	32.0	14.7	30	1	60
OX	46.1	11.5	46	26	67
NO2_8hr	14.0	6.7	13	2	30
O3_8hr	31.9	13.1	31	6	58
OX_8hr	45.9	10.6	45	27	65

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.