

Toronto_60433_2018_Day180to186.csv

The results below are what the student results should look like for the Toronto_60433_2018_Day180to186.csv dataset used in CHM 135 Experiment 1.

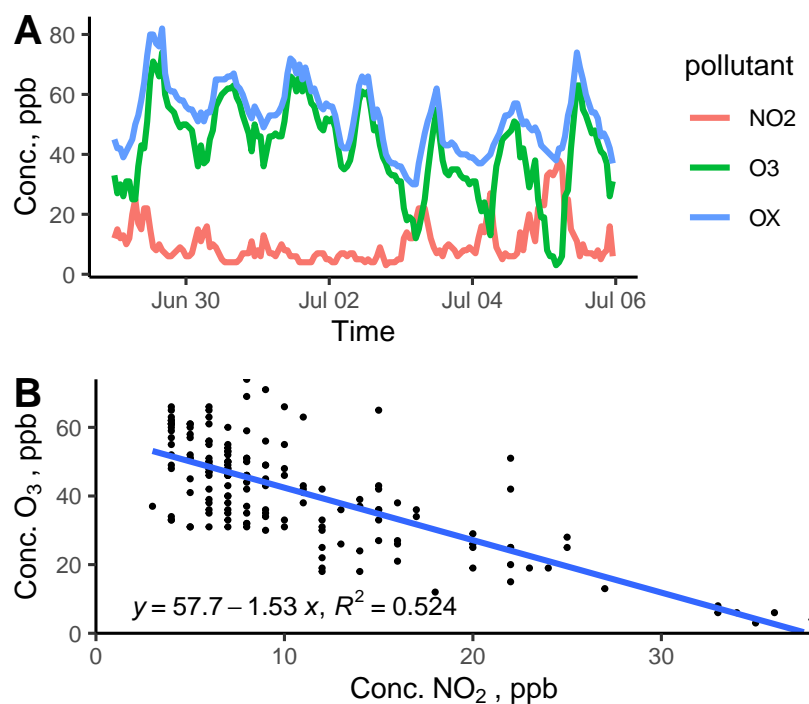


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	10.5	7.1	8	3	38
O3	41.7	15.0	43	3	74
OX	52.2	11.0	53	30	82
NO2_8hr	10.4	6.2	8	4	33
O3_8hr	42.1	13.3	44	7	66
OX_8hr	52.5	9.8	53	33	76

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.