

Toronto_60433_2018_Day189to195.csv

The results below are what the student results should look like for the Toronto_60433_2018_Day189to195.csv dataset used in CHM 135 Experiment 1.

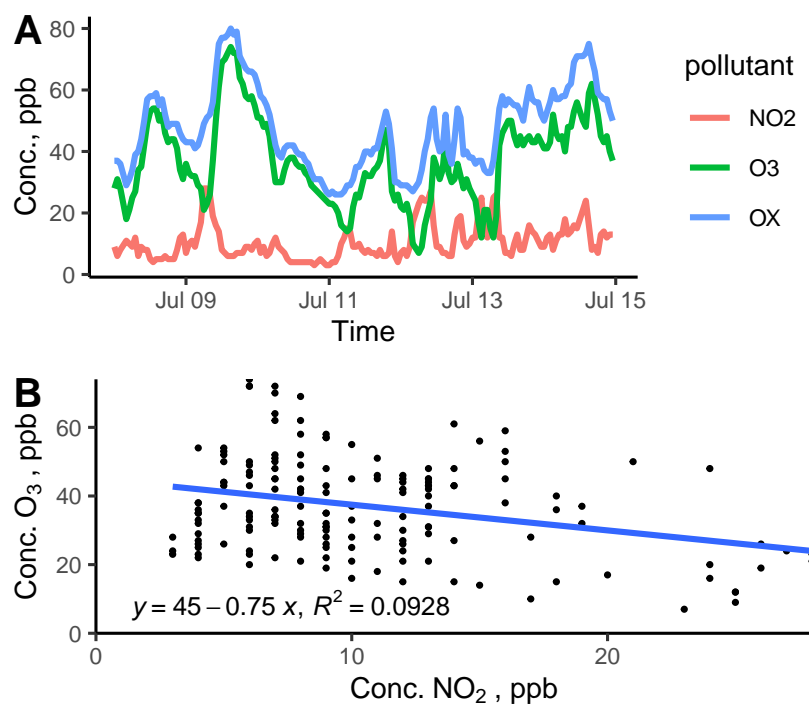


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	10.5	5.7	9	3	28
O3	37.1	14.1	36	7	74
OX	47.6	13.5	46	26	80
NO2_8hr	10.5	4.4	9	4	22
O3_8hr	37.2	12.8	35	15	70
OX_8hr	47.7	12.7	45	26	78

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.