

Toronto_60435_2018_Day10to16.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day10to16.csv dataset used in CHM 135 Experiment 1.

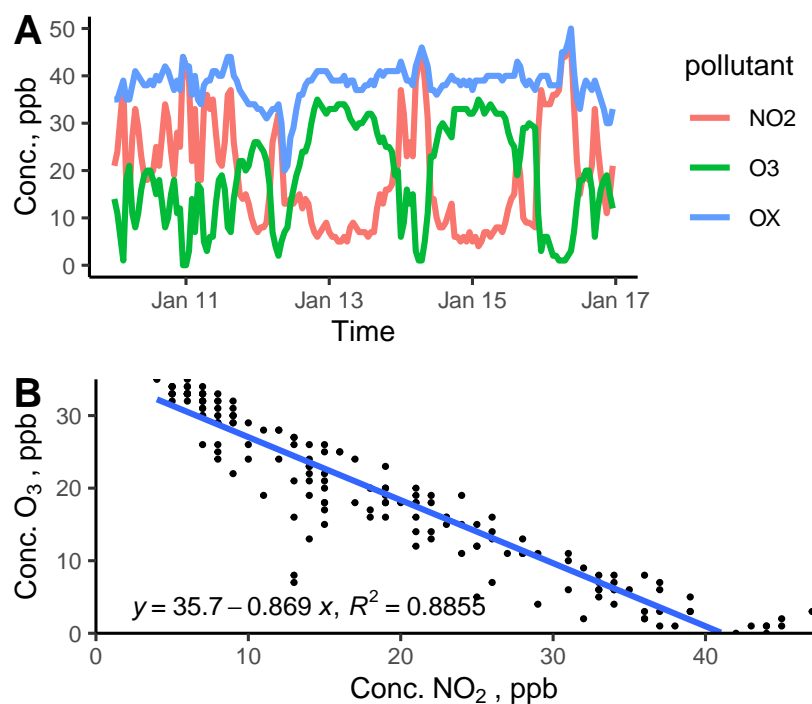


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	19.0	11.5	16	4	47
O3	19.2	10.6	19	0	35
OX	38.2	3.9	39	20	50
NO2_8hr	18.9	9.8	20	5	41
O3_8hr	19.5	9.5	17	2	33
OX_8hr	38.4	3.0	39	28	43

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.