

Toronto_60410_2018/Toronto_60410_2018_Day187to193.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day187to193.csv dataset used in CHM 135 Experiment 1.

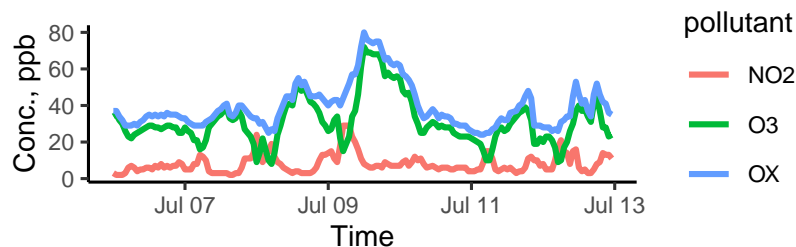


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

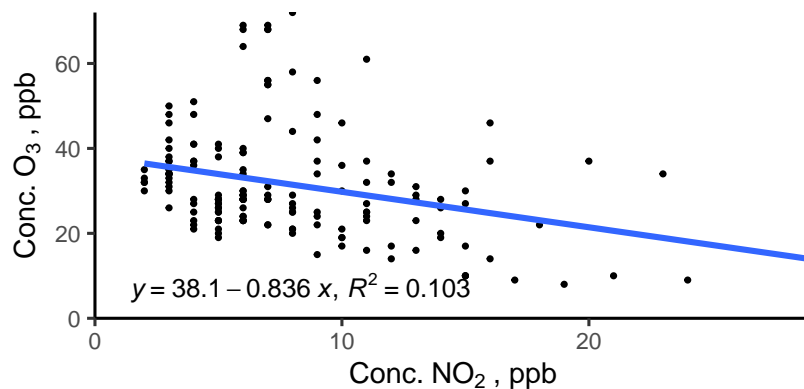


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	8.1	5.0	6	2	29
O3	31.4	13.0	28	8	72
OX	39.5	12.3	35	24	80
NO2_8hr	8.1	3.8	7	3	21
O3_8hr	31.5	11.8	28	14	68
OX_8hr	39.6	11.8	36	25	75

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.