

Toronto_60410_2018/Toronto_60410_2018_Day182to188.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day182to188.csv dataset used in CHM 135 Experiment 1.

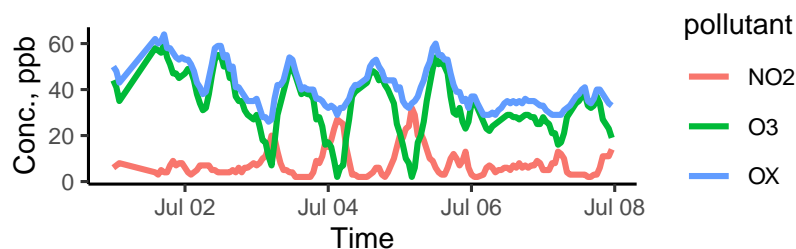


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

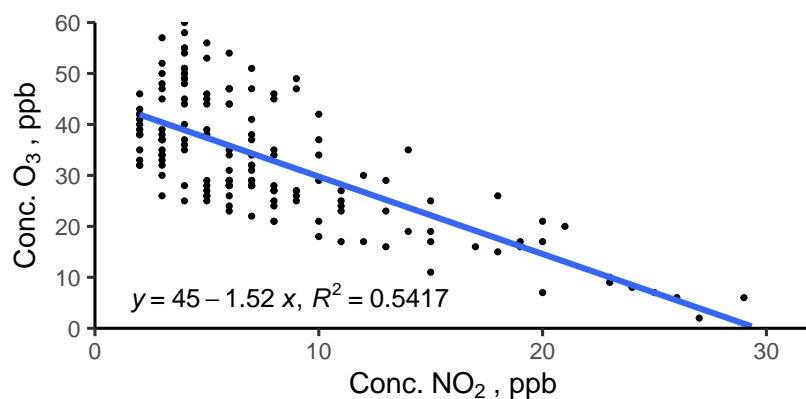


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	7.9	6.1	6	2	32
O3	32.9	12.6	32	2	60
OX	40.8	9.1	39	26	64
NO2_8hr	7.9	5.1	6	2	24
O3_8hr	32.8	10.8	31	10	55
OX_8hr	40.7	8.1	38	30	60

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.