

Toronto_60410_2018/Toronto_60410_2018_Day192to198.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day192to198.csv dataset used in CHM 135 Experiment 1.

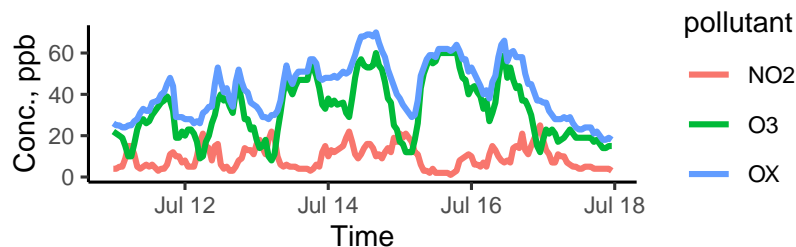


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

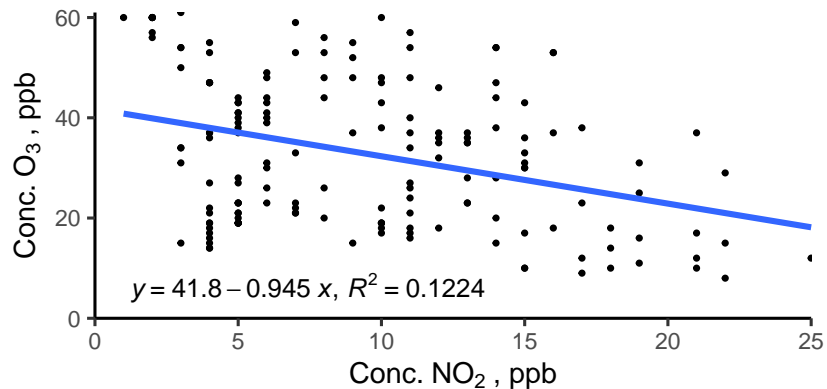


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	9.4	5.5	8	1	25
O3	32.9	14.7	32	8	61
OX	42.3	13.8	42	18	70
NO2_8hr	9.6	4.2	9	2	18
O3_8hr	33.5	13.1	34	13	60
OX_8hr	43.1	12.5	43	19	68

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.