

Toronto_60410_2018/Toronto_60410_2018_Day195to201.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day195to201.csv dataset used in CHM 135 Experiment 1.

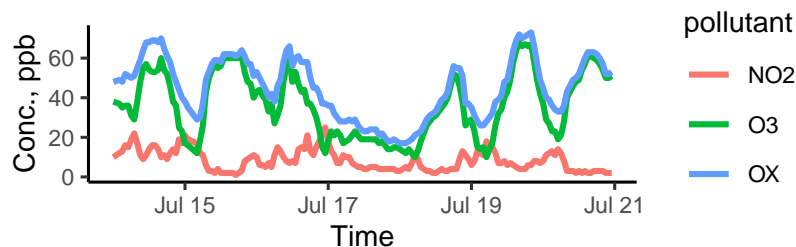


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

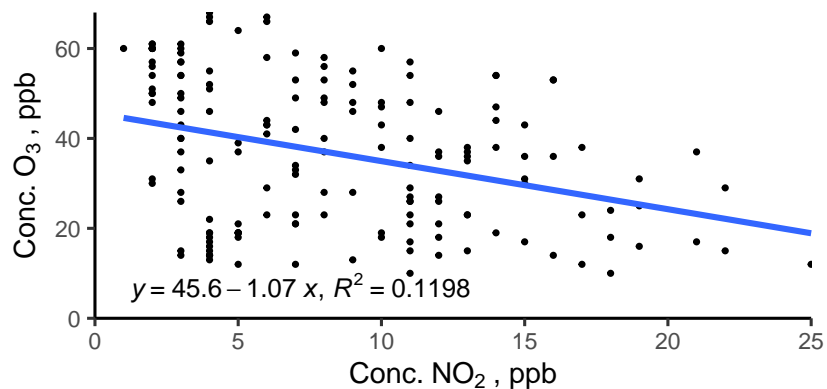


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	8.4	5.3	7	1	25
O3	36.7	16.4	37	10	68
OX	45.1	15.4	48	17	73
NO2_8hr	8.4	4.5	8	2	18
O3_8hr	36.4	15.0	36	13	65
OX_8hr	44.8	14.6	47	18	70

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.