

Toronto_60410_2018/Toronto_60410_2018_Day9to15.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day9to15.csv dataset used in CHM 135 Experiment 1.

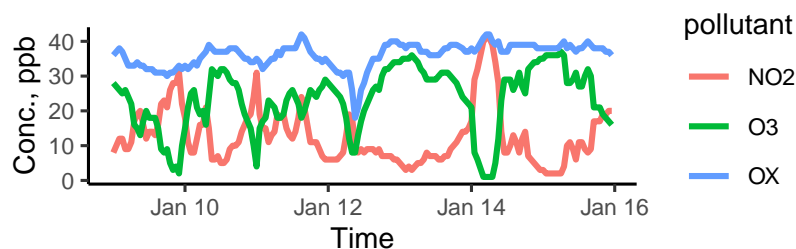


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

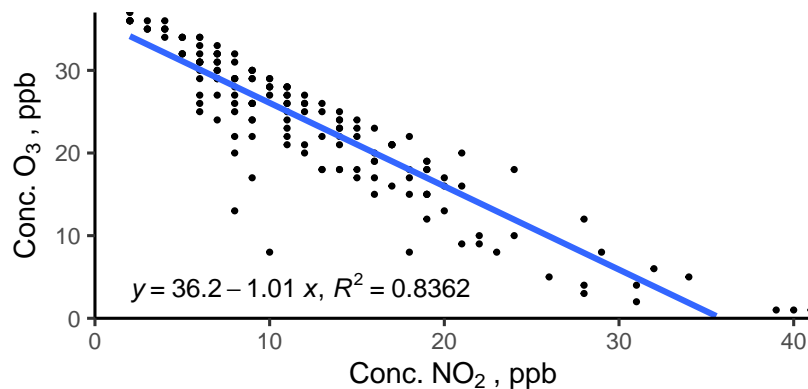


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	12.7	8.0	11	2	41
O3	23.4	8.9	25	1	37
OX	36.0	3.6	37	18	42
NO2_8hr	12.6	6.9	12	2	37
O3_8hr	23.4	7.9	24	3	36
OX_8hr	36.0	3.3	37	26	40

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.