

Toronto_60410_2018/Toronto_60410_2018_Day1to7.csv

The results below are what the student results should look like for the *Toronto_60410_2018/Toronto_60410_2018_Day1to7.csv* dataset used in CHM 135 Experiment 1.

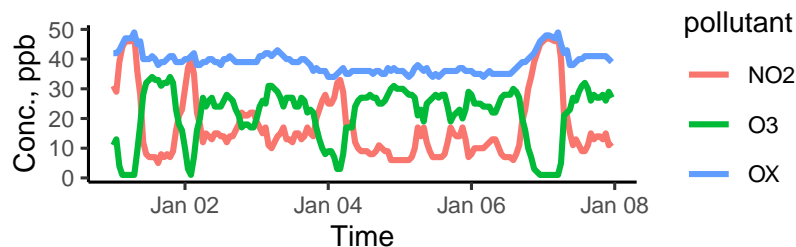


Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.

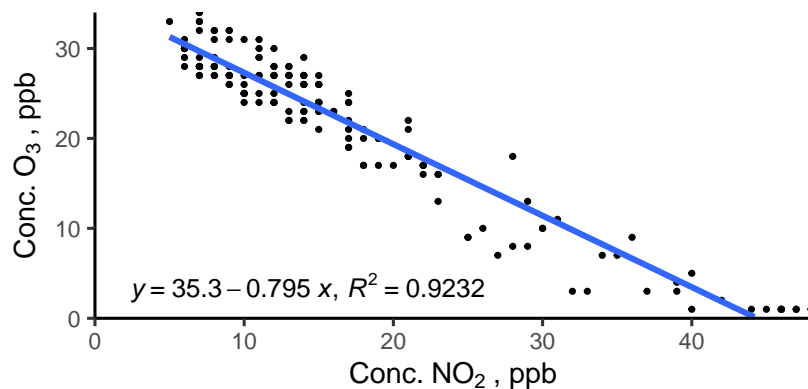


Figure 2: Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

pollutant	mean	sd	median	min	max
NO2	17.3	11.0	14	5	48
O3	21.5	9.1	25	1	34
OX	38.8	3.4	39	34	49
NO2_8hr	17.0	9.4	14	6	45
O3_8hr	21.7	7.7	25	1	33
OX_8hr	38.7	3.1	39	35	47

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.