

Toronto_60435_2019_Day9to15.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day9to15.csv dataset used in CHM 135 Experiment 1.

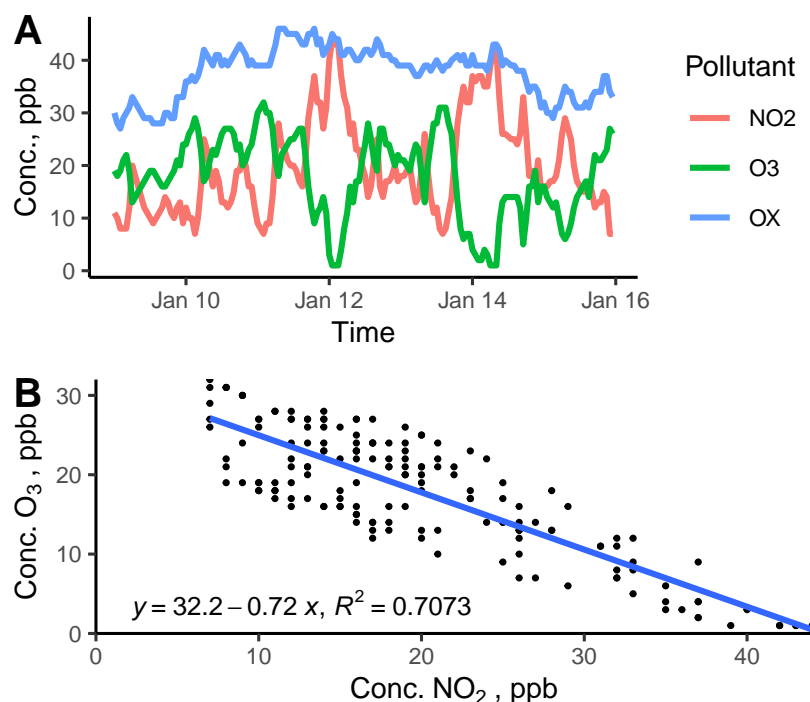


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	19.7	9.1	18	7	44
O ₃	18.0	7.8	19	1	32
OX	37.7	4.9	39	27	46
NO ₂ _8hr	20.1	7.9	18	10	39
O ₃ _8hr	17.8	6.9	19	2	30
OX_8hr	37.9	4.6	39	28	45

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.