

Toronto_60435_2019_Day189to195.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day189to195.csv dataset used in CHM 135 Experiment 1.

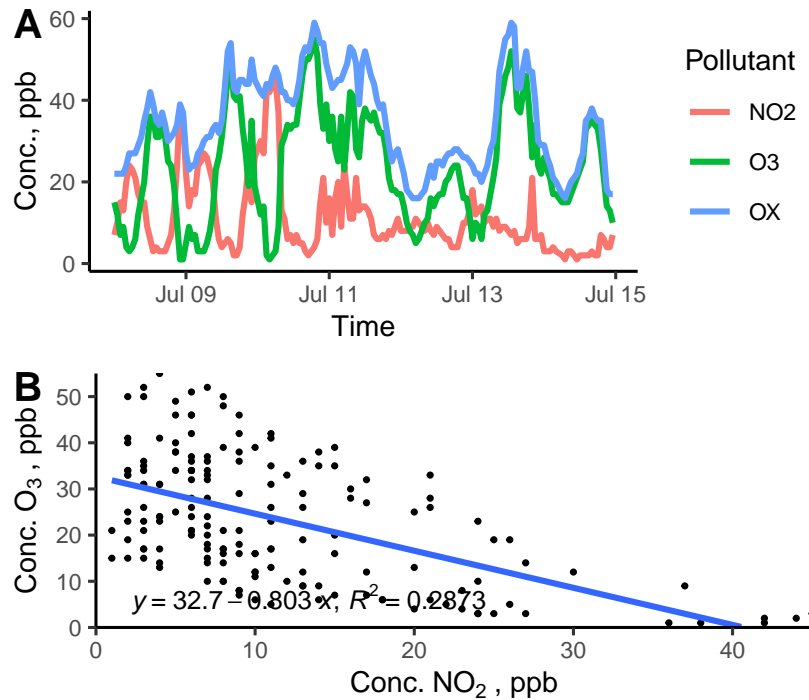


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	11.2	9.1	8	1	45
O ₃	23.7	13.6	23	1	55
OX	34.9	11.6	34	16	59
NO ₂ _8hr	11.3	7.5	9	2	38
O ₃ _8hr	24.1	11.9	24	5	49
OX_8hr	35.4	10.5	34	17	55

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.