

Toronto_60433_2018_Day190to196.csv

The results below are what the student results should look like for the Toronto_60433_2018_Day190to196.csv dataset used in CHM 135 Experiment 1.

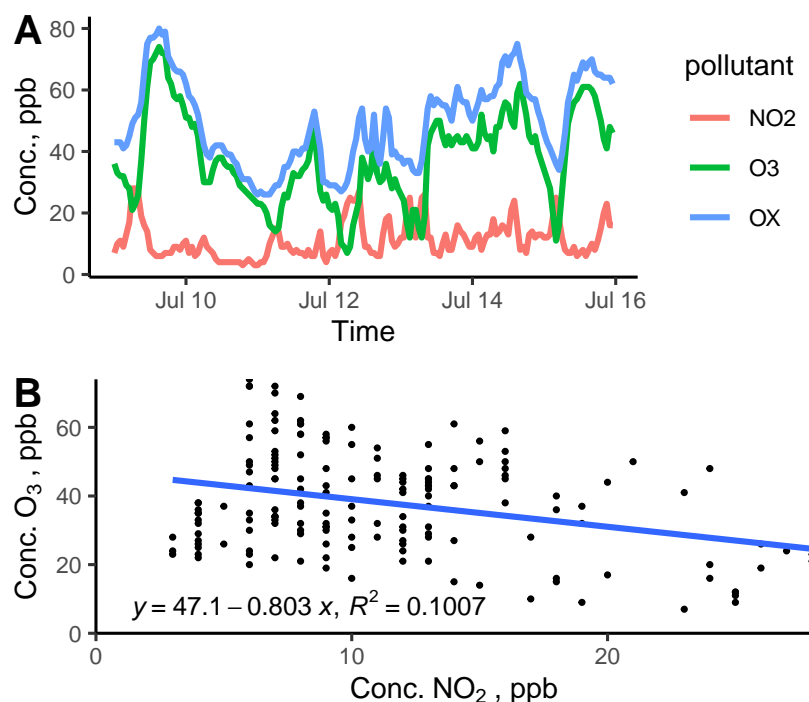


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

| pollutant | mean | sd | median | min | max |
|-----------|------|------|--------|-----|-----|
| NO2 | 11.2 | 5.9 | 9 | 3 | 28 |
| O3 | 38.1 | 15.0 | 37 | 7 | 74 |
| OX | 49.3 | 14.2 | 50 | 26 | 80 |
| NO2_8hr | 11.1 | 4.4 | 11 | 4 | 23 |
| O3_8hr | 38.1 | 13.6 | 35 | 13 | 70 |
| OX_8hr | 49.2 | 13.4 | 46 | 27 | 78 |

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.