Toronto_60435_2019_Day181to187.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day181to187.csv dataset used in CHM 135 Experiment 1.

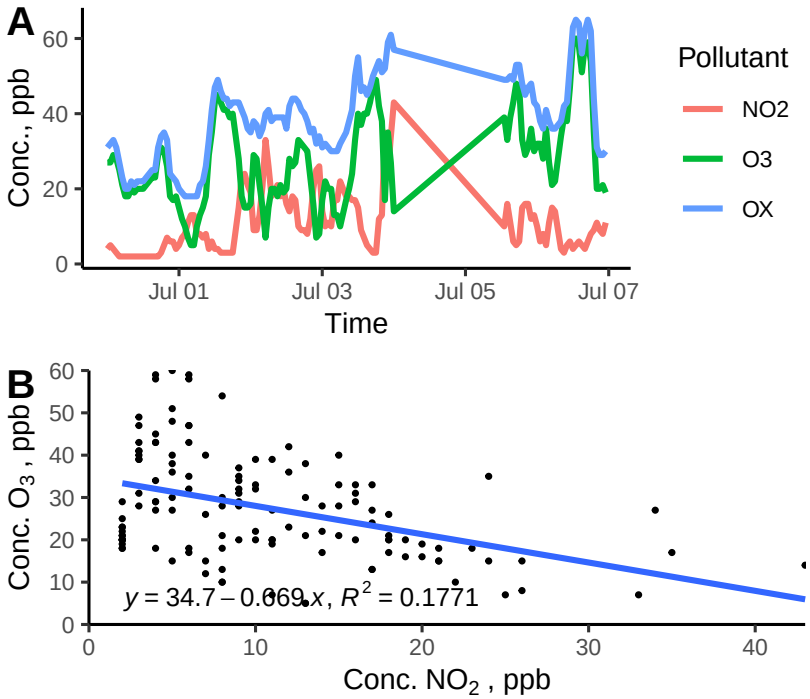

Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O_3 vs. NO_2; the equation of the line is displayed in the lower left corner.

Table 1: Summary statistics for 1 hr and 8hr concentration of pollutants, all concentrations are in ppb.

Pollutant	mean	sd	median	min	max
NO2	10.6	7.9	9	2	43
O3	27.6	12.6	27	5	60
OX	38.2	11.7	38	18	65
NO2_8hr	10.8	6.1	10	2	25
O3_8hr	27.8	10.6	26	9	57
OX_8hr	38.5	10.7	39	18	62

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 substract points, but make a note of it.