Toronto_60433_2018_Day195to201.csv

The results below are what the student results should look like for the Toronto_60433_2018_Day195to201.csv dataset used in CHM 135 Experiment 1.
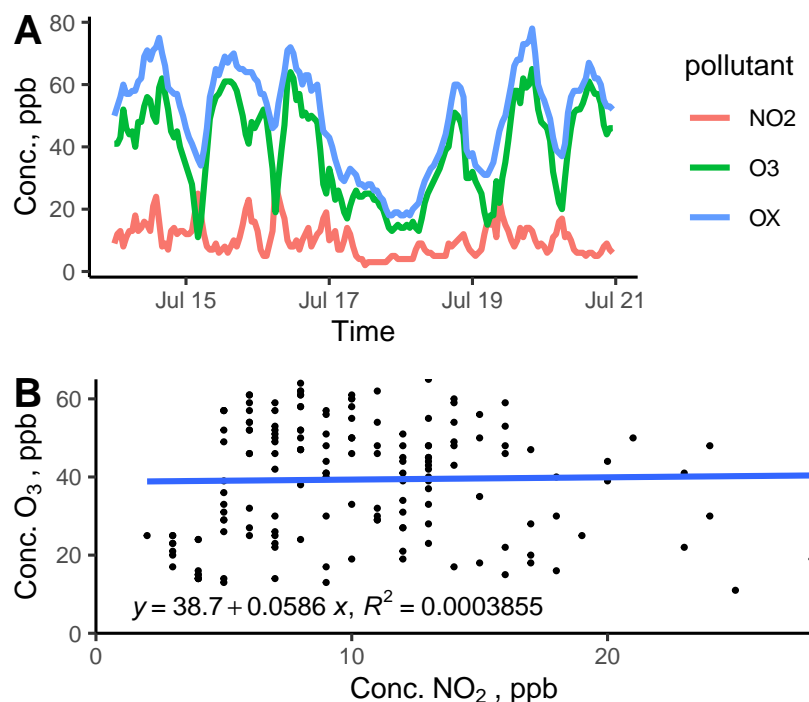

Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

In plot B:

$$y = 38.7 + 0.0586\ x,\ R^2 = 0.0003855$$

pollutant	mean	sd	median	min	max
NO2	10.1	5.0	9	2	28
O3	39.3	15.1	42	11	65
OX	49.5	16.0	54	18	78
NO2_8hr	10.2	3.8	10	3	17
O3_8hr	39.1	13.6	42	14	60
OX_8hr	49.3	15.3	52	18	72

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* funcation rather than *STDEV.S* in Excel calculations. Do not substract points, but make a note of it.