Toronto_60410_2018/Toronto_60410_2018_Day4to10.csv

The results below are what the student results should look like for the Toronto_60410_2018/Toronto_60410_2018_Day4to10.csv dataset used in CHM 135 Experiment 1.
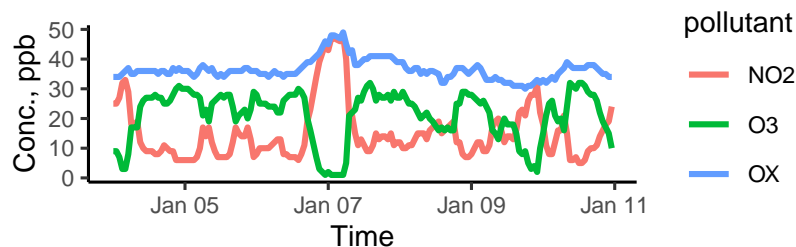

Figure 1: Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it.
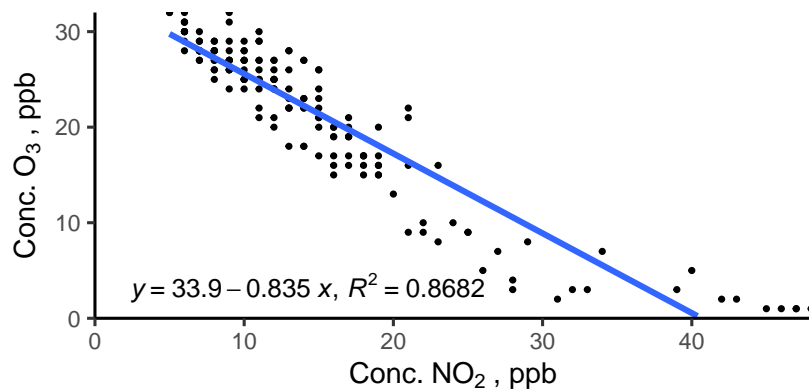

$$y = 33.9 - 0.835\,x, \; R^2 = 0.8682$$

Figure 2: 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	15.1	9.3	12	5	48
O3	21.4	8.3	24	1	32
OX	36.4	3.4	36	30	49
NO2_8hr	14.7	8.0	12	6	45
O3_8hr	21.7	7.1	24	1	31
OX_8hr	36.5	3.2	36	31	47

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.