Toronto_60433_2018_Day9to15.csv

The results below are what the student results should look like for
the Toronto_60433_2018_Day9to15.csv dataset used in CHM 135
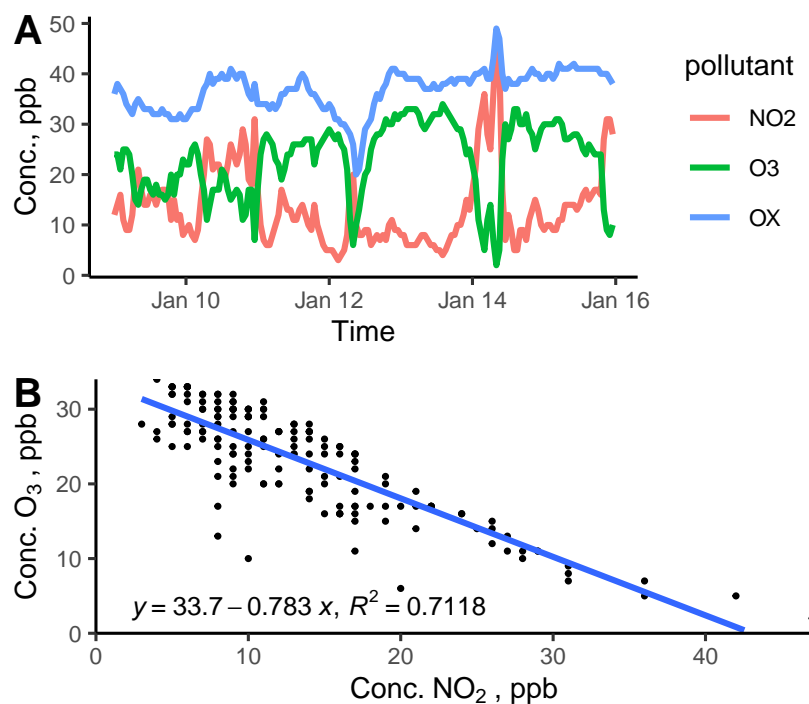Experiment 1.

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.

The equation shown in plot B:

$$y = 33.7 - 0.783\,x, \; R^2 = 0.7118$$

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

pollutant	mean	sd	median	min	max
NO2	13.5	7.7	11	3	47
O3	23.1	7.2	25	2	34
OX	36.7	4.2	38	20	49
NO2_8hr	13.3	6.2	12	4	35
O3_8hr	23.3	6.0	24	8	33
OX_8hr	36.6	3.9	38	25	43

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.