Toronto_60435_2018_Day4to10.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day4to10.csv dataset used in CHM 135 Experiment 1.
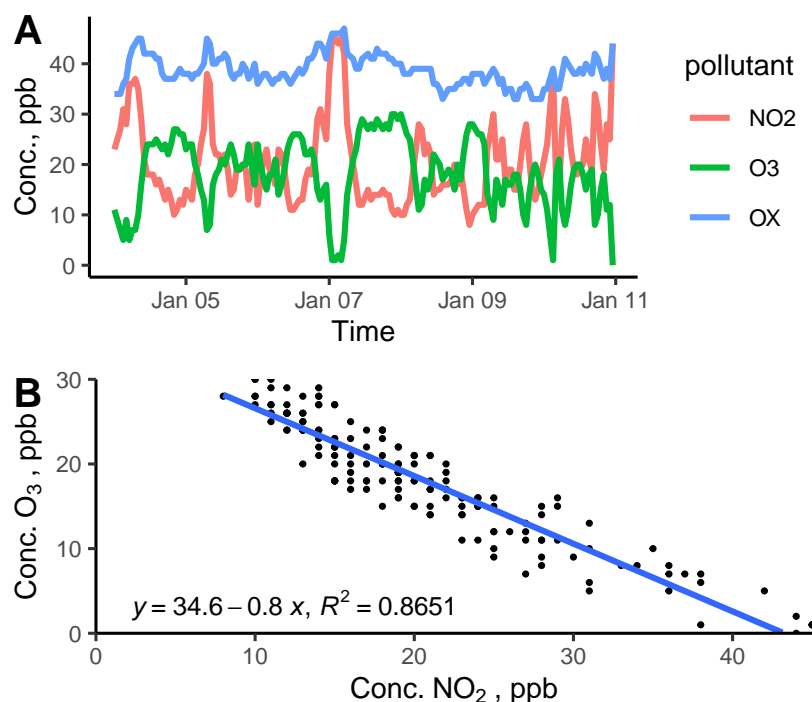

Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

$y = 34.6 - 0.8\ x,\ R^2 = 0.8651$

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

pollutant	mean	sd	median	min	max
NO2	20.5	8.2	19	8	45
O3	18.2	7.0	18	0	30
OX	38.7	3.1	38	33	47
NO2_8hr	20.2	6.3	19	11	41
O3_8hr	18.5	5.5	18	4	29
OX_8hr	38.7	2.6	38	34	45

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.