Toronto_60435_2018_Day186to192.csv

The results below are what the student results should look like for the Toronto_60435_2018_Day186to192.csv dataset used in CHM 135 Experiment 1.
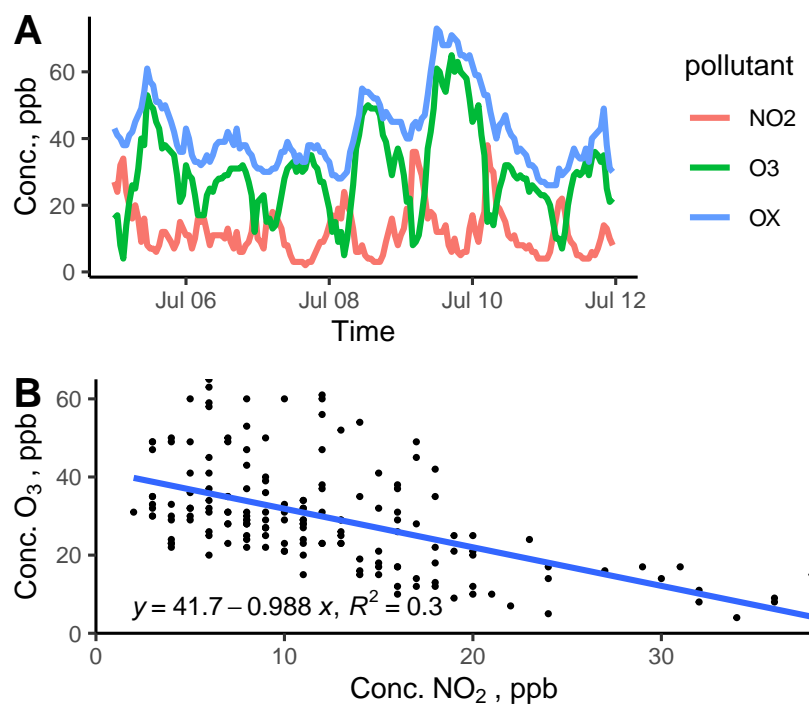

Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

In plot B: $y = 41.7 - 0.988\,x$, $R^2 = 0.3$

pollutant	mean	sd	median	min	max
NO2	12.0	7.4	11	2	38
O3	29.9	13.3	29	4	65
OX	41.9	11.1	39	26	73
NO2_8hr	11.7	5.6	11	3	28
O3_8hr	30.3	11.5	28	12	61
OX_8hr	42.0	10.6	39	27	70

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.