Toronto_60410_2018_Day1to7.csv

The results below are what the student results should look like for the Toronto_60410_2018_Day1to7.csv dataset used in CHM 135 Experiment 1.
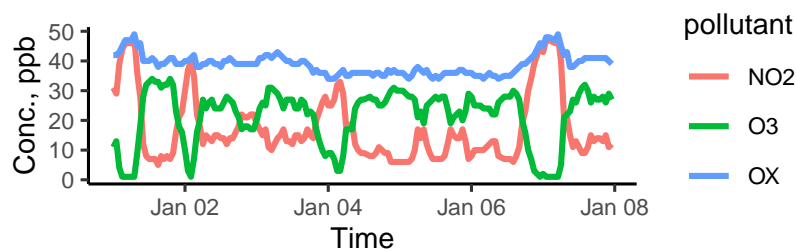

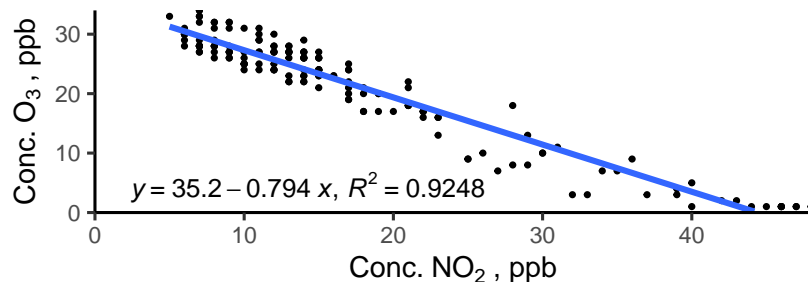Figure 1: Time series of pollutant concentration.

Figure 2: Correlation plot of O3 vs. NO2; the equation of the line is dislayed in the lower left corner.

$y = 35.2 - 0.794\,x$, $R^2 = 0.9248$

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

pollutant	mean	sd	median	min	max
NO2	17.5	11.2	14	5	48
O3	21.4	9.2	24	1	34
OX	38.8	3.4	39	34	49
NO2_8hr	17.2	9.6	14	6	45
O3_8hr	21.5	7.8	24	1	33
OX_8hr	38.7	3.1	39	35	47

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.