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.
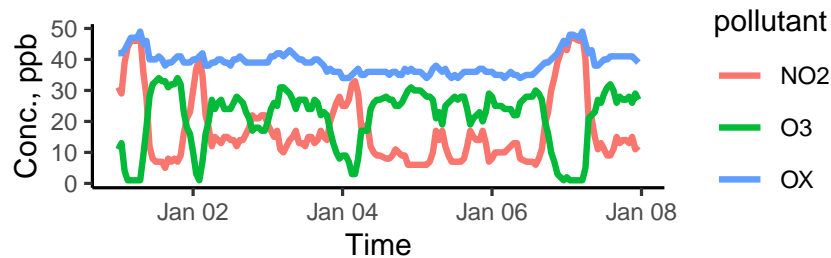

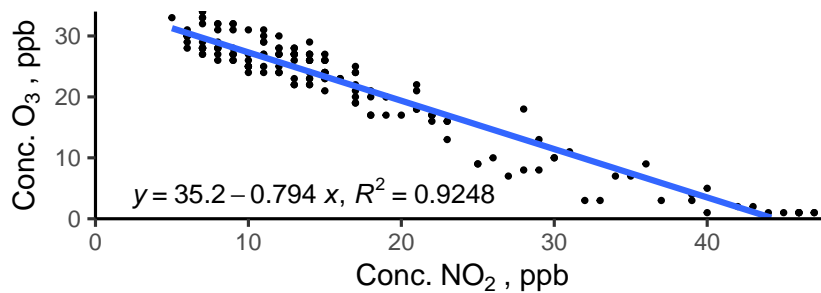Figure 1: Time series of pollutant concentration.

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

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

Question 13: The highest 8-hour mean O3 concentration that includes the highest concentration of O3 identified in question 12 is **32.75 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* function rather than *STDEV.S* in Excel calculations. Do not substract points, but make a note of it.