Untitled

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

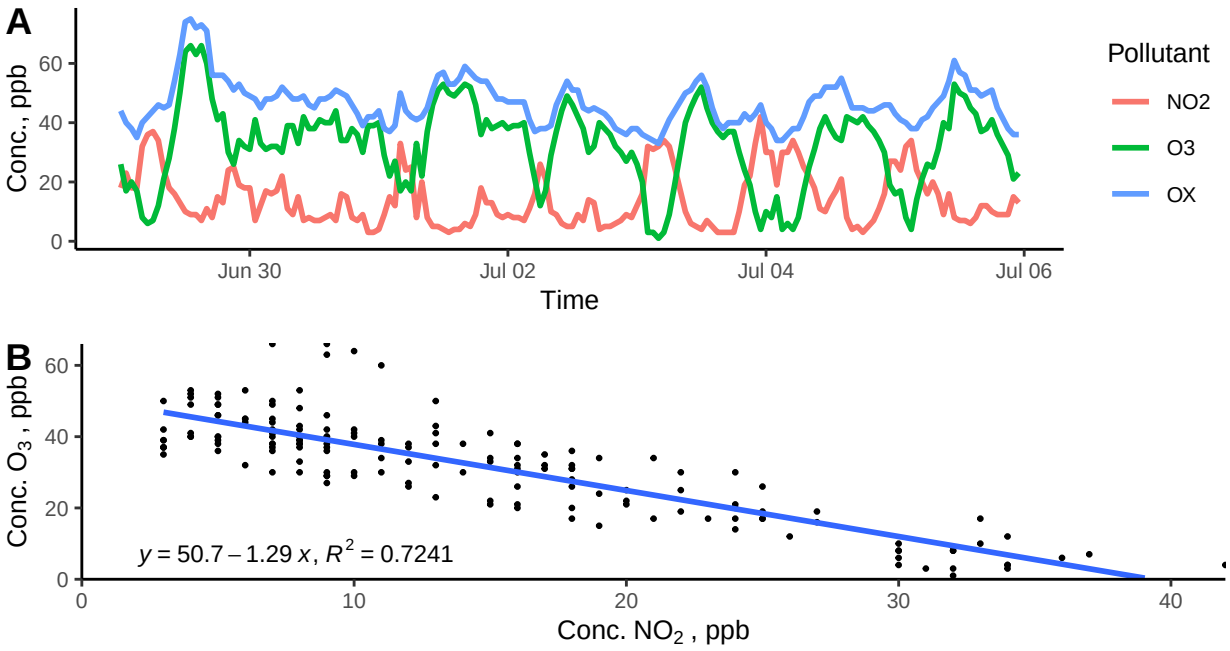

Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O3 vs. NO2; the equation of the line is displayed in the lower left corner.

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

Pollutant	mean	sd	median	min	max
NO2	14.3	9.2	11	3	42
O3	32.3	14.0	35	1	66
OX	46.6	7.8	46	33	75
NO2_8hr	14.2	7.1	12	4	31
O3_8hr	32.6	11.4	34	7	60
OX_8hr	46.8	6.5	47	36	69

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.