Toronto_60435_2019_Day1to7.csv	3
Toronto_60435_2019_Day2to8.csv	4
Toronto_60435_2019_Day3to9.csv	5
Toronto_60435_2019_Day4to10.csv	6
Toronto_60435_2019_Day5to11.csv	7
Toronto_60435_2019_Day6to12.csv	8
Toronto_60435_2019_Day7to13.csv	9
Toronto_60435_2019_Day8to14.csv	10
Toronto_60435_2019_Day9to15.csv	11
Toronto_60435_2019_Day10to16.csv	12
Toronto_60435_2019_Day11to17.csv	13
Toronto_60435_2019_Day12to18.csv	14
Toronto_60435_2019_Day13to19.csv	15
Toronto_60435_2019_Day14to20.csv	16
Toronto_60435_2019_Day15to21.csv	
Toronto_60435_2019_Day180to186.csv	18
Toronto_60435_2019_Day181to187.csv	19
Toronto_60435_2019_Day182to188.csv	20
Toronto_60435_2019_Day183to189.csv	21
Toronto_60435_2019_Day184to190.csv	22
Toronto_60435_2019_Day185to191.csv	23
Toronto_60435_2019_Day186to192.csv	24
Toronto_60435_2019_Day187to193.csv	25
Toronto_60435_2019_Day188to194.csv	26
Toronto_60435_2019_Day189to195.csv	27
Toronto_60435_2019_Day190to196.csv	28
Toronto_60435_2019_Day191to197.csv	29
Toronto_60435_2019_Day192to198.csv	30
Toronto_60435_2019_Day193to199.csv	31
Toronto_60435_2019_Day194to200.csv	32

Toronto_60435_2019_Day1to7.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day1to7.csv dataset used in CHM 135 Experiment 1.

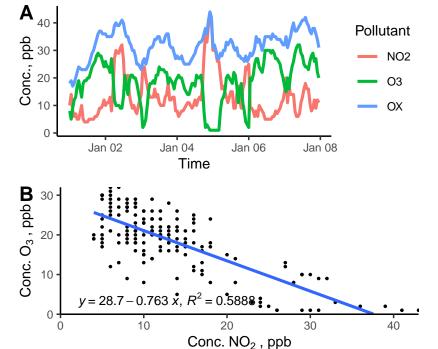


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	13.4	7.9	11	4	43
O ₃	18.5	7.8	20	1	32
OX	31.9	5.3	32	17	44
NO2_8hr	13.5	6.8	12	5	36
O3_8hr	18.6	6.8	19	1	30
OX_8hr	32.1	4.6	33	20	40

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

Notes on results:

Toronto_60435_2019_Day2to8.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day2to8.csv dataset used in CHM 135 Experiment 1.

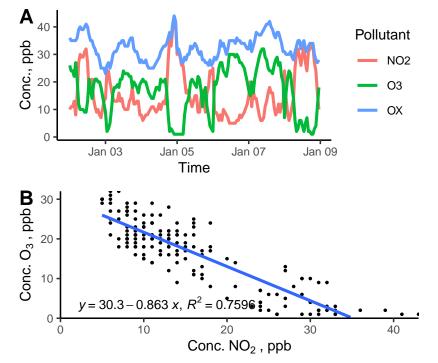


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	15.6	8.7	13	5	43
O ₃	16.8	8.6	18	1	32
OX	32.4	4.4	32	23	44
NO2_8hr	15.6	7.4	13	5	36
O3_8hr	16.8	7.4	18	1	30
OX_8hr	32.5	3.8	33	25	40

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

Notes on results:

Toronto_60435_2019_Day3to9.csv

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The results below are what the student results should look like for the Toronto_60435_2019_Day3to9.csv dataset used in CHM 135 Experiment 1.

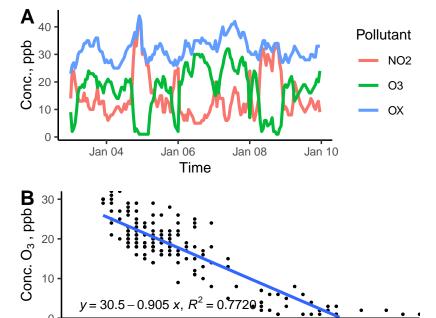


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	14.7	8.1	12	5	43
O ₃	17.1	8.3	19	1	32
OX	31.8	4.0	32	23	44
NO2_8hr	14.7	6.9	12	5	36
O3_8hr	17.3	7.3	18	1	30
OX_8hr	32.0	3.4	32	26	40

Conc. NO₂, ppb

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

Notes on results:

Toronto_60435_2019_Day4to10.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day4to10.csv dataset used in CHM 135 Experiment 1.

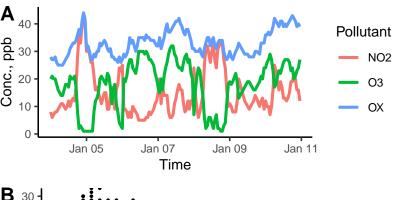


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Couc. O ₃ , ppb B 30 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	y = 31.2 - 0.873 x	$\alpha, R^2 = 0.7093$	• • • • • • • • • • • • • • • • • • • •	•••
0	10	20	30	40
		Conc. NO ₂ , p	pb	

Pollutant sd median min mean max NO₂ 8.2 15.1 12 5 43 О3 18.0 8.5 32 20 1 OX 33.1 4.7 33 25 44 NO₂_8hr 15.2 7.0 5 36 13 O3_8hr 18 17.8 7.6 1 30 OX 8hr 26 33.1 4.2 33 41

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

Notes on results:

Toronto_60435_2019_Day5to11.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day5to11.csv dataset used in CHM 135 Experiment 1.

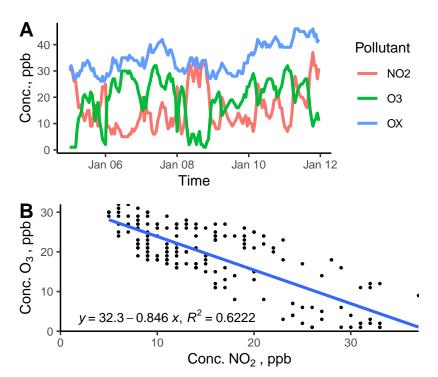


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

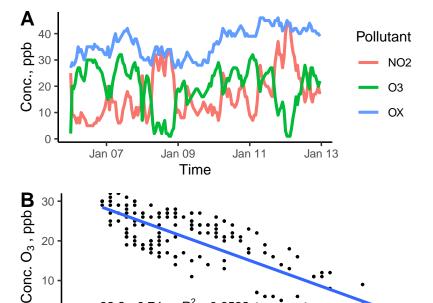
Pollutant	mean	sd	median	min	max
NO ₂	15.6	7.9	14	5	37
O ₃	19.1	8.4	21	1	32
OX	34.7	5.3	34	26	46
NO2_8hr	15.1	6.1	14	5	32
O3_8hr	19.6	7.1	21	3	30
OX_8hr	34.7	5.0	33	27	45

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

Notes on results:

Toronto_60435_2019_Day6to12.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day6to12.csv dataset used in CHM 135 Experiment 1.



y = 32.2 - 0.74 x, $R^2 = 0.6532$

10

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.

Pollutant	mean	sd	median	min	max
NO ₂	16.8	9.0	14	5	44
O ₃	19.7	8.2	21	1	32
OX	36.5	5.4	37	27	46
NO2_8hr	16.8	8.0	14	5	39
O3_8hr	19.8	7.3	22	3	30
OX_8hr	36.6	5.1	37	28	45

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Conc. NO₂, ppb

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

Notes on results:

Toronto_60435_2019_Day7to13.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day7to13.csv dataset used in CHM 135 Experiment 1.

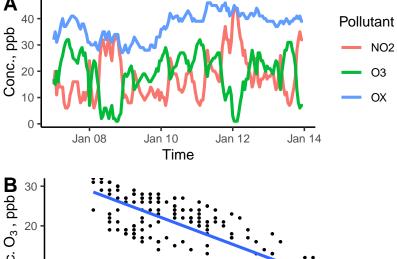


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb g		•
0 0	$y = 33.1 - 0.77 x$, $R^2 = 0.6695$ 30 Conc. NO_2 , ppb	40
	23.101 110 ₂ , pps	

Pollutant sd median min mean max NO₂ 18.2 8.7 16 6 44 О3 8.2 32 19.1 21 1 OX 37.3 5.1 39 27 46 NO₂_8hr 18.0 7.3 9 17 39 O3_8hr 19.4 7.1 21 3 30 OX 8hr 28 37.4 4.9 39 45

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

Notes on results:

Toronto_60435_2019_Day8to14.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day8to14.csv dataset used in CHM 135 Experiment 1.

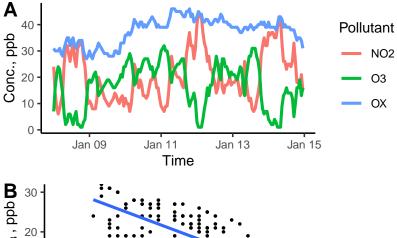


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	y = 32.7 – 0.767	$x, R^2 = 0.7107$		•
0	0 10	20	30	40
		Conc. NO ₂ ,	ppb	

Pollutant sd median min mean max NO₂ 6 20.6 19 9.4 44 О3 8.6 18 32 16.9 1 OX 37.5 5.1 39 27 46 NO₂_8hr 8.3 18 20.8 10 39 O3_8hr 18 7.7 2 16.9 30 OX 8hr 28 37.7 4.9 39 45

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

Notes on results:

Toronto_60435_2019_Day9to15.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day9to15.csv dataset used in CHM 135 Experiment 1.

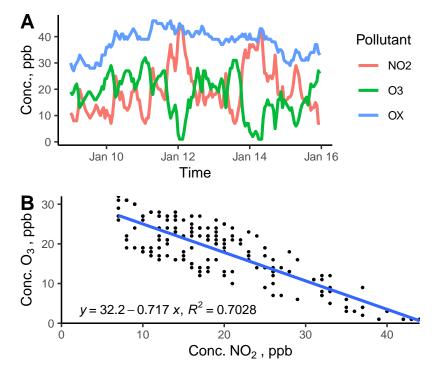


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	19.7	9.0	18	7	44
O ₃	18.1	7.7	19	1	32
OX	37.7	4.9	39	27	46
NO2_8hr	20.0	7.8	18	10	39
O3_8hr	17.9	6.9	19	2	30
OX_8hr	38.0	4.6	39	28	45

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

Notes on results:

Toronto_60435_2019_Day10to16.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day10to16.csv dataset used in CHM 135 Experiment 1.

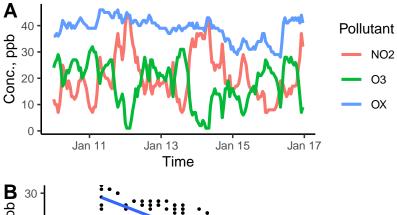
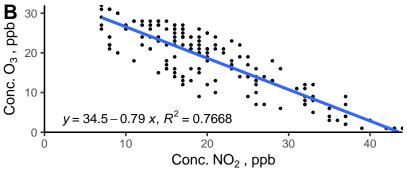


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 18 20.5 9.0 7 44 О3 18.3 8.1 32 20 1 OX 28 38.7 4.3 39 46 NO₂_8hr 8 7.8 18 20.5 39 O3_8hr 18.2 7.1 21 2 30 OX 8hr 38.7 40 4.1 29 45

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

Notes on results:

Toronto_60435_2019_Day11t017.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day11to17.csv dataset used in CHM 135 Experiment 1.

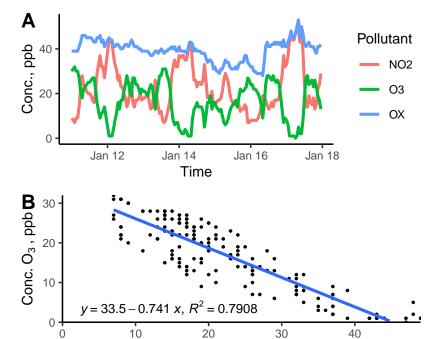


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	22.5	10.5	19	7	49
O ₃	16.9	8.8	18	O	32
OX	39.3	4.8	40	28	53
NO2_8hr	22.7	9.3	20	8	46
O3_8hr	16.6	7.6	18	1	29
OX_8hr	39.3	4.6	40	29	48

Conc. NO₂ , ppb

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

Notes on results:

Toronto_60435_2019_Day12to18.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day12to18.csv dataset used in CHM 135 Experiment 1.

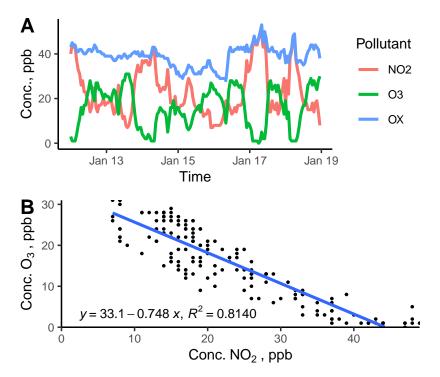


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	23.0	10.9	19	7	49
O ₃	15.9	9.0	17	O	31
OX	38.9	4.8	39	28	53
NO2_8hr	22.9	9.4	19	8	46
O3_8hr	15.9	7.7	17	1	29
OX_8hr	38.8	4.3	40	29	48

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

Notes on results:

Toronto_60435_2019_Day13to19.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day13to19.csv dataset used in CHM 135 Experiment 1.

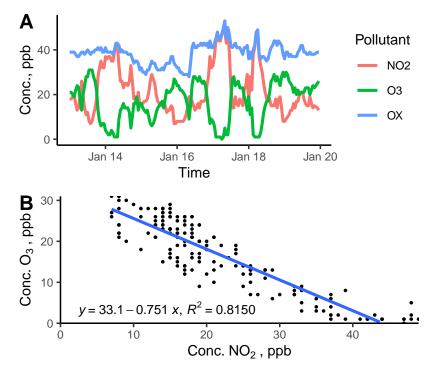


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	21.7	10.6	18	7	49
O ₃	16.8	8.8	19	O	31
OX	38.5	4.6	39	28	53
NO2_8hr	21.9	9.5	18	8	46
O3_8hr	16.6	7.9	18	1	29
OX_8hr	38.5	4.2	39	29	48

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

Notes on results:

Toronto_60435_2019_Day14t020.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day14to20.csv dataset used in CHM 135 Experiment 1.

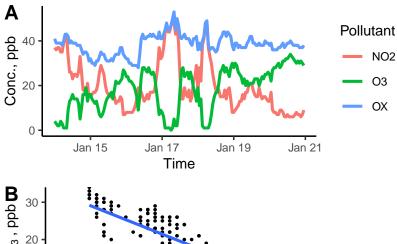


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

qdd , ₂₀					
Conc.	y = 33.8 – 0.776	$6x, R^2 = 0.840$	09		•
0 +	10	20	30	40	
		Conc. NO	O ₂ , ppb		

Pollutant sd median min mean max NO₂ 6 20.0 11.3 17 49 О3 9.6 18.3 21 0 34 OX38.3 38 28 4.6 53 NO₂_8hr 10.2 20.0 6 17 46 O3_8hr 18.3 8.6 32 21 1 OX 8hr 38.3 29 48 4.1 39

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

Notes on results:

Toronto_60435_2019_Day15t021.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day15to21.csv dataset used in CHM 135 Experiment 1.

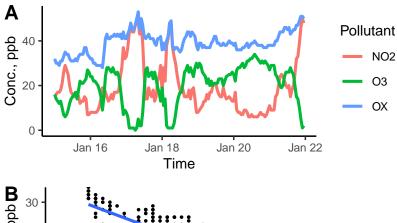


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	y = 33.7 - 0.71	$8 x, R^2 = 0.79$	95		• •
0	0 10	20	30	40	50
		Conc. No	O ₂ , ppb		

Pollutant sd median min mean max NO₂ 16 6 19.3 11.3 50 О3 19.8 9.1 22 0 34 OX28 39.2 5.2 39 53 NO₂_8hr 18.9 16 6 9.9 46 O3_8hr 8.1 20.2 1 22 32 OX 8hr 39.1 4.4 39 29 49

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

Notes on results:

Toronto_60435_2019_Day180to186.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day180to186.csv dataset used in CHM 135 Experiment 1.

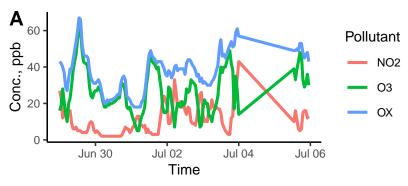
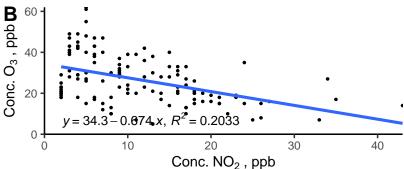


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 8.1 11.2 9 2 43 О3 26.8 26 12.1 5 62 OX38 18 37.9 11.1 67 NO₂_8hr 10.9 6.2 11 2 25 O3_8hr 26.8 10.1 25 9 51 OX 8hr 38 18 37.7 10.3 57

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

Notes on results:

Toronto_60435_2019_Day181to187.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day181to187.csv dataset used in CHM 135 Experiment 1.

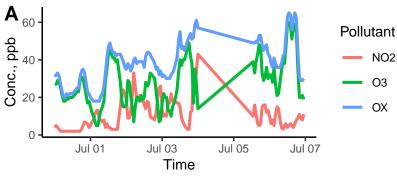


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

onc. O ₃ , ppb D	60 - 50 - 40 - 30 - 20 -	y = 35.1	- 0.698	$x, R^2 = 0.191$	• 6 ••	· .	
	0		10	20 Conc. NC	30 ₂ , ppb	4()

Pollutant sd median min mean max NO₂ 10.7 7.9 9 2 43 О3 12.6 27.7 27 5 60 OX38 18 65 38.4 11.5 NO₂_8hr 10.9 6.1 10 2 25 O3_8hr 27.8 10.6 26 9 57 OX 8hr 18 38.7 10.5 62 39

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

Notes on results:

Toronto_60435_2019_Day182to188.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day182to188.csv dataset used in CHM 135 Experiment 1.

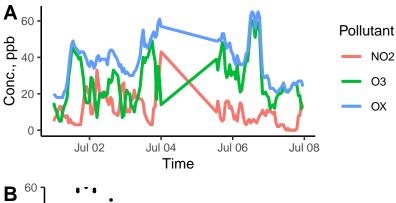


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	60 - 50 - 40 - 30 - 20 - 10 - 0	y = 34.4 - 0.086.	$x, R^2 = 0.1772$		
	0	10	20	30	40
			Conc. NO ₂ ,	ppb	

Pollutant sd median min mean max NO₂ 11.0 7.9 9 o 43 О3 12.8 26.9 24 5 60 OX38 18 65 37.8 11.9 NO₂_8hr 11.1 6.0 10 0 25 O3_8hr 10.6 26 27.5 9 57 OX 8hr 38.6 18 10.6 62 39

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

Notes on results:

Toronto_60435_2019_Day183to189.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day183to189.csv dataset used in CHM 135 Experiment 1.

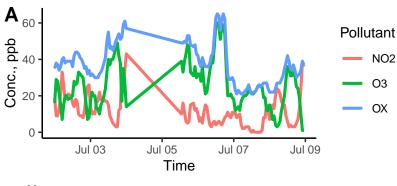


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	30 - 20 - 10 -	y=35-0).795 x, i	$R^2 = 0.2685$		
	0 +		10	Conc. NO ₂ , pp	30 ob	40

Pollutant sd median min mean max NO₂ 11.7 8.5 10 o 43 О3 25.7 13.1 23 1 60 OX36 37.4 11.3 21 65 NO₂_8hr 11.3 6.0 10 0 25 O3_8hr 6 26.2 11.0 24 57 OX 8hr 37.5 10.6 22 62 37

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

Notes on results:

Toronto_60435_2019_Day184t0190.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day184to190.csv dataset used in CHM 135 Experiment 1.

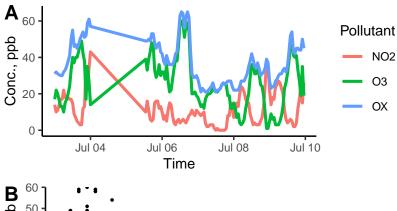


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	30 - 20 -	y = 36.2	-0.901°	k, R ² = 0,30	÷1		
	0 1		10	20 Conc. NO	O ₂ , ppb	30	40

Pollutant	mean	sd	median	min	max
NO ₂	11.4	8.7	10	О	43
O ₃	26.0	14.2	24	1	60
OX	37.4	11.9	35	21	65
NO2_8hr	11.2	6.6	10	O	25
O3_8hr	26.1	12.5	27	5	57
OX_8hr	37.3	11.0	36	22	62

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

Notes on results:

Toronto_60435_2019_Day185t0191.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day185to191.csv dataset used in CHM 135 Experiment 1.

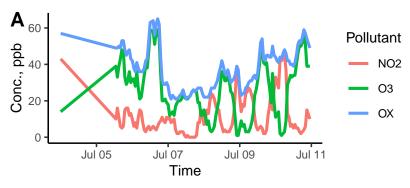
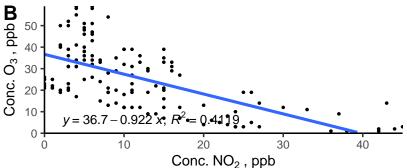


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 11.9 10.5 9 o 45 О3 15.0 25 1 25.7 59 OX38 37.6 11.6 21 65 NO₂_8hr 11.8 8.5 38 10 0 O3_8hr 5 25.1 13.0 23 55 OX 8hr 36.9 10.3 22 61 37

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

Notes on results:

Toronto_60435_2019_Day186to192.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day186to192.csv dataset used in CHM 135 Experiment 1.

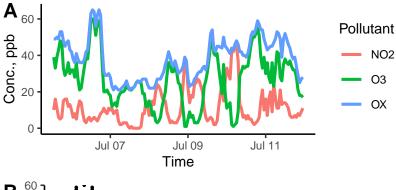


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	60 - 50 - 40 - 30 - 20 -	y = 37.	6-0.936 x	$R^2 = 0.8748$		
	0 7)	10	20	30	40
				Conc. NO ₂ ,	ppb	

Pollutant sd median min mean max NO₂ 11.6 9.4 9 o 45 О3 26.8 28 14.4 1 60 OX38.4 11.4 39 21 65 NO₂_8hr 11.6 10 0 7.7 39 O3_8hr 28 26.7 12.6 5 57 OX 8hr 38.4 10.4 40 22 62

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

Notes on results:

Toronto_60435_2019_Day187t0193.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day187to193.csv dataset used in CHM 135 Experiment 1.

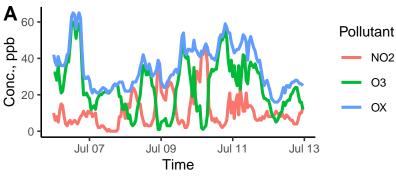


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B	60 50 - 40 - 30 - 20 -	y = 34 -	-0.852 x,	$R^2 = 0.3068$		•
	0		10	20 Conc. NO	30 2 , ppb	40

Pollutant sd median min mean max NO₂ 8 11.2 0 9.2 45 О3 14.2 22 1 60 24.4 OX35.7 11.9 16 65 34 NO₂_8hr 38 11.3 0 7.7 9 O3_8hr 12.6 24.5 22 4 57 OX 8hr 35.8 11.1 62 35 17

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

Notes on results:

Toronto_60435_2019_Day188to194.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day188to194.csv dataset used in CHM 135 Experiment 1.

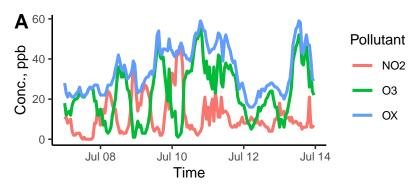
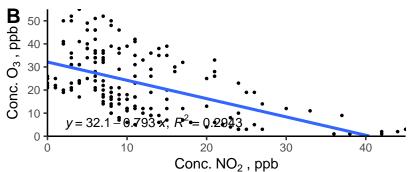


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 11.5 0 9.2 9 45 О3 23.0 13.4 21 1 55 OX11.4 32 16 59 34.5 NO₂_8hr 38 11.6 7.6 9 0 O3_8hr 5 23.1 11.9 21 49 OX 8hr 34.7 10.7 33 17 55

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

Notes on results:

Toronto_60435_2019_Day189t0195.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day189to195.csv dataset used in CHM 135 Experiment 1.

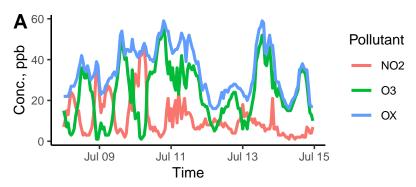
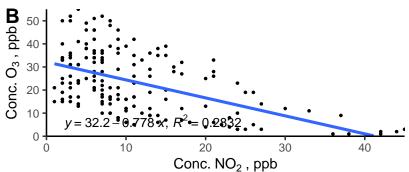


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 8 11.3 9.2 1 45 О3 22 1 23.4 13.5 55 OX34.7 11.6 16 59 34 NO₂_8hr 38 11.4 2 7.7 9 O3_8hr 11.8 5 23.7 22 49 OX 8hr 35.2 10.5 34 17 55

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

Notes on results:

Toronto_60435_2019_Day190to196.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day190to196.csv dataset used in CHM 135 Experiment 1.

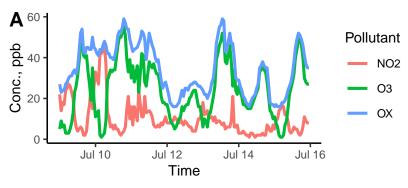
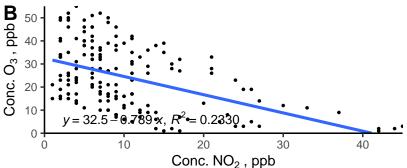


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 8 8.6 10.4 1 45 О3 14.0 23 1 24.3 55 OX12.4 35 16 59 34.7 NO₂_8hr 38 10.2 2 7.3 9 O3_8hr 24.5 24 4 49 OX 8hr 34.8 11.5 16 34 55

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

Notes on results:

Toronto_60435_2019_Day191t0197.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day191to197.csv dataset used in CHM 135 Experiment 1.

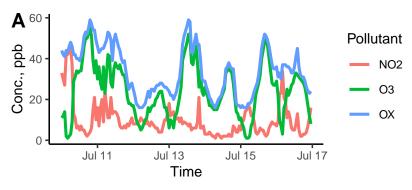
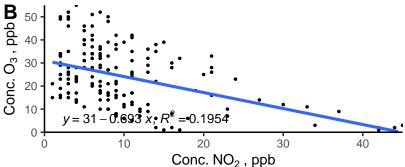


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 8 9.9 8.3 1 45 О3 24.2 13.0 24 1 55 OX34.1 12.0 34 16 59 NO₂_8hr 8 2 38 6.3 9.4 O3_8hr 24.6 11.3 24 4 49 OX 8hr 11.1 16 34.1 34 55

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

Notes on results:

Toronto_60435_2019_Day192to198.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day192to198.csv dataset used in CHM 135 Experiment 1.

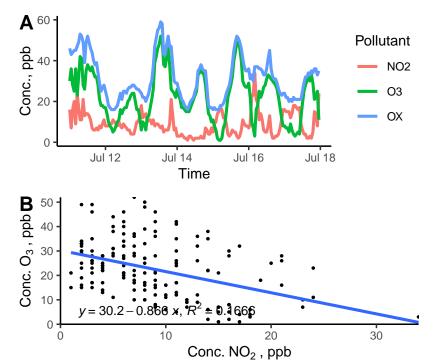


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Pollutant	mean	sd	median	min	max
NO ₂	9.0	5.7	8	1	34
O ₃	22.5	12.0	22	1	52
OX	31.4	11.0	29	16	59
NO2_8hr	8.8	4.3	8	2	21
O3_8hr	22.3	10.6	21	4	45
OX_8hr	31.1	10.0	29	16	53

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

Notes on results:

Toronto_60435_2019_Day193to199.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day193to199.csv dataset used in CHM 135 Experiment 1.

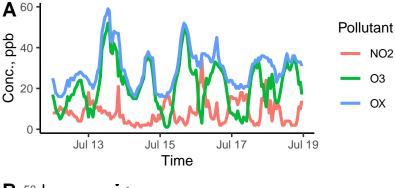


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

onc. O $_3$, ppb [50 - 40 - 30 - 20 -	y = 31.1 -	1.17 x, R	² =03119		<u>: </u>		•
	0		10		20		30	
	Conc. NO ₂ , ppb							

Pollutant sd median min mean max NO₂ 8 8.3 5.5 1 34 О3 21.4 11.5 21 1 52 OX29.7 9.6 29 16 59 NO₂_8hr 8.3 4.2 8 2 21 O3_8hr 21.6 10.1 21 4 45 OX 8hr 8.6 29.9 29 16 53

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

Notes on results:

Toronto_60435_2019_Day194t0200.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day194to200.csv dataset used in CHM 135 Experiment 1.

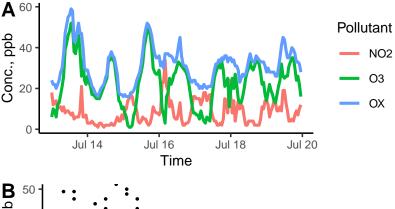


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.

Conc. O ₃ , ppb B 10	-	32.5 – 1.1	$2x$, $R^2 = 0$	0:33.51;	· ·	,
U	0		10	2	0	30
Conc. NO ₂ , ppb						

Pollutant sd median min mean max NO₂ 8.6 8 5.7 1 34 О3 22.8 11.4 23 1 52 OX31.4 9.5 32 16 59 NO₂_8hr 8.5 8 2 4.2 21 O3_8hr 23.0 9.7 23 4 45 OX 8hr 31.5 8.4 32 16 53

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

Notes on results:

Toronto_60435_2019_Day195t0201.csv

The results below are what the student results should look like for the Toronto_60435_2019_Day195to201.csv dataset used in CHM 135 Experiment 1.

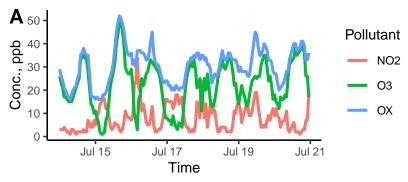
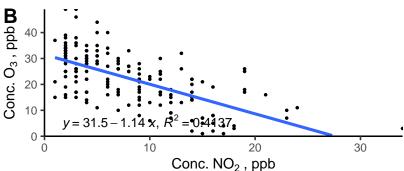


Figure 1: (A) Time series of pollutant concentration. There shouldn't be a linear regression on this plot, if students have done so please note it. (B) Correlation plot of O₃ vs. NO₂; the equation of the line is displayed in the lower left corner.



Pollutant sd median min mean max NO₂ 8.1 5.8 7 1 34 О3 22.3 10.3 22 1 49 OX30.3 7.9 32 16 52 NO₂_8hr 8.1 8 2 21 4.4 O3_8hr 8.8 22.2 22 4 43 OX 8hr 30.3 6.9 31 16 48

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

Notes on results: