First Half of the Year (Pollutant Levels on Other Pollutant Levels)

Half of	Half of the Year (Pollutant Levels On Weather Parameters)						term	SO2	NO2	СО	О3	PM10	PM25
rm	SO2	NO2	СО	O3	PM10	PM25	(Intercent)	-1.94*	0.66	-2.58***	4.89***	-41.2***	74.11***
roont)	-369.15***	-448.75*	207.15*	4.98	1138.03	-1766.28*	(Intercept)	[-3.79, -0.08]	[-2.37, 3.69]	[-3.68, -1.49]	[2.46, 7.32]	[-57.61, -24.79]	[66.73, 81.48]
rcept)	[-682.7, -55.59]	[-913.45, 15.94]	[-43.7, 458.01]	[-316.22, 326.18]	[-2592.92, 4868.98]	[-3675.66, 143.11	SO2	NΙΔ	0.84***	0.1***	0.35***	0.42	-0.17
214	-2.58***	-5.03***	-2.24***	-2.27***	-30.95***	-16.62***	302	NA	[0.69, 1]	[0.03, 0.17]	[0.2, 0.49]	[-0.6, 1.45]	[-0.84, 0.5]
ew	[-3.06, -2.1]	[-5.74, -4.32]	[-2.63, -1.86]	[-2.76, -1.78]	[-36.67, -25.24]	[–19.55, –13.7]	NO2	0.32***	NΙΔ	0.06***	0.16***	-0.06	0.83***
nidity	0.3***	0.7***	0.38***	0.33***	4.07***	2.81***	NO2	[0.26, 0.38]	NA	[0.02, 0.11]	[0.07, 0.25]	[-0.7, 0.57]	[0.42, 1.23]
	[0.21, 0.39]	[0.57, 0.83]	[0.31, 0.45]	[0.24, 0.42]	[3.03, 5.11]	[2.28, 3.34]	CO	0.27***	0.45***	NΙΔ	0.53***	6.55***	2.17***
	0.36***	0.44*	-0.21*	-0.02	-1.11	1.85*	CO	[0.09, 0.45]	[0.16, 0.75]	NA	[0.29, 0.77]	[5.03, 8.07]	[1.09, 3.24]
ssure	[0.05, 0.66]	[-0.01, 0.9]	[-0.45, 0.04]	[-0.34, 0.29]	[-4.77, 2.55]	[-0.02, 3.72]	O3	0.2***	0.23***	0.11***	NIA	-0.57	-0.25
aroturo.	2.11***	3.31***	1.25***	2.09***	19.66***	8.47***	03	[0.11, 0.28]	[0.1, 0.37]	[0.06, 0.16]	NA	[-1.34, 0.2]	[-0.75, 0.26]
erature	[1.68, 2.53]	[2.68, 3.95]	[0.9, 1.59]	[1.65, 2.53]	[14.57, 24.75]	[5.86, 11.07]	PM10	0.01	0	0.03***	-0.01	NΙΔ	0.32***
anaad'	0.61	0.2	-1.02*	1.01*	-29.22***	-11.98***	PIVITO	[-0.01, 0.02]	[-0.02, 0.02]	[0.02, 0.04]	[-0.03, 0]	NA	[0.26, 0.38]
·speed`	[-0.56, 1.78]	[-1.53, 1.94]	[-1.95, -0.08]	[-0.19, 2.21]	[-43.15, -15.29]	[–19.11, –4.85]	PM25	0	0.06***	0.02***	-0.01	0.75***	NΙΔ
R2	0.74	0.81	0.67	0.71	0.59	0.73	PIVIZO	[-0.02, 0.01]	[0.03, 0.09]	[0.01, 0.03]	[-0.04, 0.01]	[0.6, 0.9]	NA
	*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals							0.83	0.85	0.87	0.67	0.84	0.82

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

Second Half of the Year (Pollutant Levels on Weather Parameters)

term	SO2	NO2	СО	O3	PM10	PM25
(Intercept)	-6.23	4.11	3.31	-25.08	319.14	70.43
	[-46.98, 34.52]	[-30.53, 38.74]	[–19.59, 26.21]	[-62.4, 12.24]	[–92.31, 730.6]	[–145.97, 286.83]
dew	-3.5***	-4.12***	-2.29***	-3.46***	-43.33***	-20.58***
	[-4.13, -2.88]	[-4.66, -3.59]	[-2.64, -1.94]	[-4.03, -2.88]	[-49.64, -37.01]	[-23.91, -17.26]
humidity	0.31***	0.47***	0.29***	0.4***	4.04***	2.35***
	[0.17, 0.45]	[0.35, 0.6]	[0.21, 0.37]	[0.27, 0.53]	[2.6, 5.48]	[1.59, 3.11]
pressure	0.02	0.01	0	0.03*	-0.13	0.07
	[-0.02, 0.06]	[-0.02, 0.04]	[-0.02, 0.02]	[-0.01, 0.06]	[-0.52, 0.26]	[–0.13, 0.27]
temperature	2.07***	2.38***	1.26***	2.25***	24.34***	10.38***
	[1.47, 2.66]	[1.88, 2.88]	[0.93, 1.59]	[1.71, 2.8]	[18.36, 30.32]	[7.23, 13.52]
wind-speed`	1.86***	1.55***	1.1***	2.51***	-2.37	6.45*
	[0.62, 3.11]	[0.5, 2.61]	[0.4, 1.8]	[1.37, 3.65]	[-14.94, 10.2]	[-0.16, 13.06]
R2	0.48	0.65	0.6	0.61	0.49	0.52

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

Second Half of the Year (Pollutant Levels on Other Pollutant Levels)

term	SO2	NO2	СО	О3	PM10	PM25
(Intercept)	-2.79*** [-4.99, -0.6]	3.52*** [2.18, 4.87]	-1.34*** [-2.23, -0.46]	1.11 [-0.89, 3.12]	-50.66*** [-68.65, -32.67]	53.96*** [44.07, 63.86]
SO2	NA	0.12*** [0.05, 0.19]	0.03 [-0.01, 0.08]	0.18*** [0.08, 0.28]	1.61*** [0.68, 2.54]	-0.07 [-0.65, 0.51]
NO2	0.3*** [0.12, 0.47]	NA	0.35*** [0.29, 0.41]	0.42*** [0.26, 0.57]	1.13 [-0.36, 2.62]	1.37*** [0.46, 2.27]
СО	0.2 [-0.07, 0.47]	0.85*** [0.71, 1]	NA	0.36*** [0.12, 0.61]	3.42*** [1.13, 5.72]	2.31*** [0.91, 3.72]
О3	0.22*** [0.1, 0.34]	0.2*** [0.13, 0.28]	0.07*** [0.02, 0.12]	NA	1.48*** [0.45, 2.51]	-0.19 [-0.83, 0.45]
PM10	0.02*** [0.01, 0.04]	0.01 [0, 0.01]	0.01*** [0, 0.01]	0.02*** [0.01, 0.03]	NA	0.22*** [0.16, 0.29]
PM25	0 [-0.02, 0.02]	0.02*** [0.01, 0.03]	0.01*** [0.01, 0.02]	-0.01 [-0.02, 0.01]	0.59*** [0.42, 0.76]	NA
R2	0.69	0.89	0.87	0.77	0.78	0.72

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

Delhi

irst Half of the Year (Pollutant Levels On Weather Parameters)

term	SO2	NO2	СО	O3	PM10	PM25
ntercept)	10.83	-60.93*	-19.1	-11.09	-205.89	-308.94***
	[–18.16, 39.82]	[-117.13, -4.73]	[-95.96, 57.77]	[-102.54, 80.37]	[-764.27, 352.48]	[-580.61, -37.26]
dew	-0.54***	-2.36***	-1.21*	1.05	-6.1	-8.58***
	[-1.03, -0.04]	[-3.32, -1.4]	[-2.52, 0.1]	[-0.51, 2.61]	[-15.62, 3.42]	[-13.21, -3.95]
numidity	0.12***	0.38***	0.31***	0.21*	1.6***	2.39***
	[0.04, 0.19]	[0.25, 0.52]	[0.12, 0.5]	[-0.02, 0.43]	[0.22, 2.98]	[1.72, 3.07]
oressure	-0.02	0.04*	0	-0.03	0.14	0.35***
	[-0.05, 0.01]	[-0.01, 0.1]	[-0.07, 0.08]	[-0.12, 0.07]	[-0.42, 0.7]	[0.07, 0.62]
mperature	0.73***	1.86***	0.93***	0.98***	7.46***	4.42***
	[0.46, 1.01]	[1.32, 2.39]	[0.21, 1.66]	[0.11, 1.85]	[2.17, 12.75]	[1.85, 6.99]
nd-speed`	3.71***	6.72***	6.58***	8.41***	56.52***	14.51***
	[3.02, 4.41]	[5.37, 8.06]	[4.74, 8.42]	[6.22, 10.6]	[43.16, 69.87]	[8.01, 21.01]
R2	0.79	0.8	0.6	0.67	0.67	0.59

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

First Half of the Year (Pollutant Levels on Other Pollutant Levels)

term	SO2	NO2	CO	O3	PM10	PM25
(Intercept)	1.6 [-0.78, 3.97]	-0.16 [-4.85, 4.52]	-5.89* [-12.32, 0.54]	3.86 [-3.42, 11.14]	-43.38*** [-79.16, -7.61]	101.99*** [84.15, 119.84]
SO2	NA	0.82*** [0.58, 1.05]	0.32* [-0.03, 0.68]	1.2*** [0.83, 1.57]	2.44*** [0.48, 4.41]	-0.22 [-1.44, 1.01]
NO2	0.21*** [0.15, 0.27]	NA	0.36*** [0.19, 0.54]	0.08 [-0.13, 0.28]	1.59*** [0.6, 2.58]	1.19*** [0.58, 1.79]
СО	0.04* [0, 0.09]	0.19*** [0.1, 0.28]	NA	0.13* [-0.02, 0.28]	0.24 [-0.49, 0.97]	0.49*** [0.04, 0.93]
O3	0.13*** [0.09, 0.17]	0.03 [-0.05, 0.12]	0.1* [-0.01, 0.22]	NA	1.85*** [1.25, 2.46]	-0.77*** [-1.16, -0.38]
PM10	0.01*** [0, 0.02]	0.03*** [0.01, 0.04]	0.01 [-0.02, 0.03]	0.08*** [0.05, 0.1]	NA	0.28*** [0.21, 0.35]
PM25	0 [-0.02, 0.01]	0.05*** [0.03, 0.08]	0.04*** [0, 0.08]	-0.08*** [-0.12, -0.04]	0.75*** [0.56, 0.93]	NA
R2	0.83	0.84	0.67	0.76	0.84	0.68

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

Second Half of the Year (Pollutant Levels on Weather Parameters)

term	SO2	NO2	СО	O3	PM10	PM25
(Intercept)	15.17	-35.58***	0.38	-14.33	201.44*	100.3*
	[–31.05, 61.39]	[-65.79, -5.37]	[-39.9, 40.66]	[-89.54, 60.88]	[–36.03, 438.9]	[-26.11, 226.71]
dew	-4.11***	-3.25***	-2.72***	-6.1***	-38.95***	-19.41***
	[-5.2, -3.02]	[-3.96, -2.54]	[-3.66, -1.77]	[-7.87, -4.33]	[-44.54, -33.37]	[-22.38, -16.44]
humidity	0.38***	0.54***	0.4***	0.85***	3.55***	2.03***
	[0.12, 0.64]	[0.37, 0.71]	[0.18, 0.63]	[0.43, 1.27]	[2.22, 4.88]	[1.32, 2.74]
pressure	-0.03	0	-0.03	-0.06	-0.37***	0.01
	[-0.09, 0.03]	[-0.04, 0.04]	[-0.08, 0.02]	[-0.16, 0.03]	[-0.66, -0.07]	[–0.15, 0.17]
temperature	3.32***	3.36***	2.67***	6.54***	34.16***	11.85***
	[2.32, 4.32]	[2.71, 4.02]	[1.81, 3.54]	[4.92, 8.16]	[29.04, 39.28]	[9.12, 14.57]
`wind-speed`	1.15	2.73***	3.22***	6.44***	8.7*	0.21
	[-0.53, 2.84]	[1.63, 3.83]	[1.75, 4.69]	[3.7, 9.18]	[0.05, 17.35]	[–4.39, 4.82]
R2	0.33	0.7	0.45	0.55	0.63	0.55

*** p < 0.001; ** p < 0.01; * p < 0.05; 99% confidence Intervals

Second Half of the Year (Pollutant Levels on Other Pollutant Levels)

term	SO2	NO2	СО	О3	PM10	PM25
(Intercept)	-4.82* [-10.6, 0.97]	5.31*** [1.58, 9.04]	1.37 [-3.88, 6.62]	2.65 [-6.87, 12.16]	-56.86*** [-81.53, -32.2]	89.21*** [76.06, 102.35]
SO2	NA	0.12*** [0.05, 0.2]	-0.15*** [-0.25, -0.04]	0.54*** [0.36, 0.71]	0.37 [-0.13, 0.87]	0.21 [-0.11, 0.54]
NO2	0.29*** [0.12, 0.47]	NA	0.52*** [0.37, 0.66]	0.98*** [0.72, 1.24]	1.94*** [1.2, 2.68]	0.18 [-0.33, 0.68]
СО	-0.18*** [-0.3, -0.05]	0.27*** [0.19, 0.34]	NA	0.07 [-0.14, 0.27]	1.25*** [0.71, 1.79]	-0.24 [-0.6, 0.12]
O3	0.2*** [0.13, 0.27]	0.15*** [0.11, 0.2]	0.02 [-0.04, 0.08]	NA	0.41*** [0.11, 0.72]	-0.2* [-0.39, 0]
PM10	0.02 [-0.01, 0.05]	0.04*** [0.03, 0.06]	0.05*** [0.03, 0.08]	0.06*** [0.02, 0.1]	NA	0.4*** [0.34, 0.46]
PM25	0.03 [-0.01, 0.07]	0.01 [-0.02, 0.04]	-0.02 [-0.06, 0.01]	-0.06* [-0.13, 0]	0.94*** [0.8, 1.08]	NA
R2	0.49	0.77	0.55	0.65	0.8	0.62