City With high Concentration of Carbon monoxide (Co):

Query Query History

```
1  select city,count(coaqi) as sum_co_aqi from us group by city order by count(coaqi) desc limit 10;
```

Data Output Messages Notifications

	city character varying (50)	sum_co_aqi bigint
1	Not in a city	11118
2	Salt Lake City	6927
3	Los Angeles	6091
4	Rubidoux	6040
5	Phoenix	3273
6	New York	3213
7	Denver	3114
8	Cleveland	2978
9	Washington	2931
10	St. Louis	2811

The yearly trend between pollutants:

Query Query History

```
1  select year1,avg(coaqi) as Avg_Co_AQI,avg(o3aqi) as Avg_o3_AQI,avg(no2aqi)as Avg_No2_AQI from us group by year1;
```

Data Output Messages Notifications

	year1 integer	avg_co_aqi numeric	avg_o3_aqi numeric	avg_no2_aqi numeric
1	2019	3.8437460438030130	37.5706102038232688	18.3859349284719585
2	2020	3.8901301760081479	37.6102040166778064	17.1707883764601038
3	2021	3.8906737069788154	38.9510465042305490	17.6156880208664673
4	2022	3.8347212663454921	38.9303509979353063	18.1039917412250516
5	2023	3.4240393208221626	42.7156900293629516	16.9652112855866207

Monthly trend of O3 AQI levels

Query | Query History

```
1  select mont as month1,avg(o3aqi)as Levles_o3AQI from us  group by mont order by avg(o3aqi) desc ;
```

Data Output | Messages | Notifications

	month1 character varying (30)	levles_o3aqi numeric
1	July	48.7748035575511614
2	August	48.4671602787456446
3	June	47.8715266937246332
4	May	43.8132141469102215
5	September	43.5245568148793955
6	April	42.8666297731045932
7	March	37.9942883606051250
8	October	35.6324190002867246
9	February	32.5271118973905352
10	November	28.4917903844263101
11	January	26.8942331696762919
12	December	24.4625367055034574

State with Rate of all 4 Pollutants:

Query | Query History

```
1  select state ,avg(o3aqi+coaqi+so2aqi+no2aqi) from us group by state order by avg(o3aqi+coaqi+so2aqi+no2aqi) ;
```

Data Output | Messages | Notifications

	state character varying (50)	avg numeric
1	Hawaii	36.3689164370982553
2	New Hampshire	43.1557603686635945
3	Maine	43.3112500000000000
4	Oregon	45.4551323434473854
5	North Dakota	45.5310621242484970
6	Tennessee	45.8306636155606407
7	Florida	47.2329501915708812
8	Vermont	48.8979974968710889
9	Washington	49.9184228416043508
10	South Dakota	49.9941324392288349
11	Mississippi	50.4576923076923077
12	Virginia	51.2717745691662785
13	Maryland	52.2119073869900772
14	Rhode Island	52.6465517241379310
15	Wyoming	53.2565698478561549
16	Minnesota	54.0860655737704918
17	Pennsylvania	54.2726868327402135
18	Massachusetts	54.5963898916967509
19	North Carolina	55.3440571939231457

Average of No2 AQI based on county:

Query | Query History

```
1   select  county,avg(no2aqi) as Avg_No2_AQI from us group by county  ;
```

Data Output | Messages | Notifications

	county character varying (50)	avg_no2_aqi numeric
1	Ada	22.3253173012692051
2	Adams	19.1925133689839572
3	Alameda	18.4838509316770186
4	Allegheny	16.6783042394014963
5	Anoka	14.1625683060109290
6	Aroostook	5.1443181818181818
7	Baltimore	17.9723502304147465
8	Bernalillo	19.8693181818181818
9	Blount	1.0149060272197019
10	Bronx	22.8276962348436503
11	Broward	8.6502732240437158
12	Burleigh	10.3106212424849699
13	Cambria	11.6693548387096774
14	Camden	20.7277812305779988
15	Clark	27.5645161290322581
16	Contra Costa	10.3340757238307350
17	Cook	14.2596491228070175
18	Cumberland	15.1541666666666667