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Creating Dashboard

Using Tableau

Week 7

India Air Quality Index

Winter Internship

By Arijit Dhali

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Data Processing

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	stn_code	sampling_	state	location	agency	type	so2	no2	rspm	spm	location_	pm2_5	date
2	150	February -	Andhra Pr	Hyderaba	NA	Residenti	4.8	17.4	NA	NA	NA	NA	2/1/1990
3	151	February -	Andhra Pr	Hyderaba	NA	Industrial	3.1	7	NA	NA	NA	NA	2/1/1990
4	152	February -	Andhra Pr	Hyderaba	NA	Residenti	6.2	28.5	NA	NA	NA	NA	2/1/1990
5	150	March - M	Andhra Pr	Hyderaba	NA	Residenti	6.3	14.7	NA	NA	NA	NA	3/1/1990
6	151	March - M	Andhra Pr	Hyderaba	NA	Industrial	4.7	7.5	NA	NA	NA	NA	3/1/1990
7	152	March - M	Andhra Pr	Hyderaba	NA	Residenti	6.4	25.7	NA	NA	NA	NA	3/1/1990
8	150	April - M0	Andhra Pr	Hyderaba	NA	Residenti	5.4	17.1	NA	NA	NA	NA	4/1/1990
9	151	April - M0	Andhra Pr	Hyderaba	NA	Industrial	4.7	8.7	NA	NA	NA	NA	4/1/1990
10	152	April - M0	Andhra Pr	Hyderaba	NA	Residenti	4.2	23	NA	NA	NA	NA	4/1/1990
11	151	May - M05	Andhra Pr	Hyderaba	NA	Industrial	4	8.9	NA	NA	NA	NA	5/1/1990
12	152	May - M05	Andhra Pr	Hyderaba	NA	Residenti	3.6	18.6	NA	NA	NA	NA	5/1/1990
13	150	June - M0	Andhra Pr	Hyderaba	NA	Residenti	3.9	14.1	NA	133	NA	NA	6/1/1990
14	151	June - M0	Andhra Pr	Hyderaba	NA	Industrial	5.6	11.8	NA	82	NA	NA	6/1/1990
15	152	June - M0	Andhra Pr	Hyderaba	NA	Residenti	3.3	19.3	NA	111	NA	NA	6/1/1990
16	150	July - M07	Andhra Pr	Hyderaba	NA	Residenti	3.9	8.2	NA	118	NA	NA	7/1/1990
17	152	July - M07	Andhra Pr	Hyderaba	NA	Residenti	3.5	12.1	NA	135	NA	NA	7/1/1990
18	151	July - M07	Andhra Pr	Hyderaba	NA	Industrial	7.9	10.2	NA	80	NA	NA	7/1/1990
19	150	August - M	Andhra Pr	Hyderaba	NA	Residenti	4	9.9	NA	179	NA	NA	8/1/1990
20	151	August - M	Andhra Pr	Hyderaba	NA	Industrial	12.4	11.5	NA	58	NA	NA	8/1/1990
21	152	August - M	Andhra Pr	Hyderaba	NA	Residenti	4	12.3	NA	99	NA	NA	8/1/1990
22	150	Septembe	Andhra Pr	Hyderaba	NA	Residenti	6.3	11.5	NA	270	NA	NA	9/1/1990
23	151	Septembe	Andhra Pr	Hyderaba	NA	Industrial	44.8	13.7	NA	97	NA	NA	9/1/1990
24	152	Septembe	Andhra Pr	Hyderaba	NA	Residenti	8.1	17.8	NA	167	NA	NA	9/1/1990
25	150	October -	Andhra Pr	Hyderaba	NA	Residenti	7.7	11.3	NA	145	NA	NA	10/1/1990

Uncleaned Data

50%
Size Reduction

	A	B	C	D	E	F	G	H	I	J
1	state	location	type	so2	no2	rspm	spm	pm2_5	date	year
2	Andhra Pr	Hyderaba	Industrial	3.1	7	130.3	82		2/1/1990	1990
3	Andhra Pr	Hyderaba	Industrial	4.7	7.5	130.3	82		3/1/1990	1990
4	Andhra Pr	Hyderaba	Industrial	4.7	8.7	130.3	82		4/1/1990	1990
5	Andhra Pr	Hyderaba	Industrial	4	8.9	130.3	82		5/1/1990	1990
6	Andhra Pr	Hyderaba	Industrial	5.6	11.8	130.3	82		6/1/1990	1990
7	Andhra Pr	Hyderaba	Industrial	7.9	10.2	130.3	80		7/1/1990	1990
8	Andhra Pr	Hyderaba	Industrial	12.4	11.5	130.3	58		8/1/1990	1990
9	Andhra Pr	Hyderaba	Industrial	44.8	13.7	130.3	97		9/1/1990	1990
10	Andhra Pr	Hyderaba	Industrial	20.6	13.6	130.3	75		10/1/1990	1990
11	Andhra Pr	Hyderaba	Industrial	11.2	18.6	130.3	61		11/1/1990	1990
12	Andhra Pr	Hyderaba	Industrial	28.7	16.2	130.3	77		1/1/1991	1991
13	Andhra Pr	Hyderaba	Industrial	20.4	12.6	130.3	93		2/1/1991	1991
14	Andhra Pr	Hyderaba	Industrial	4.8	8.4	130.3	85		3/1/1991	1991
15	Andhra Pr	Hyderaba	Industrial	21.2	11.5	130.3	108		4/1/1991	1991
16	Andhra Pr	Hyderaba	Industrial	17.7	14	130.3	121		5/1/1991	1991
17	Andhra Pr	Hyderaba	Industrial	3.1	7.5	130.3	84		6/1/1991	1991
18	Andhra Pr	Hyderaba	Industrial	7.9	9.2	130.3	67		7/1/1991	1991
19	Andhra Pr	Hyderaba	Industrial	7.8	9.8	130.3	71		8/1/1991	1991
20	Andhra Pr	Hyderaba	Industrial	13.3	11.9	130.3	56		9/1/1991	1991
21	Andhra Pr	Hyderaba	Industrial	12.3	12.2	130.3	83		10/1/1991	1991
22	Andhra Pr	Hyderaba	Industrial	14.6	12.9	130.3	103		11/1/1991	1991
23	Andhra Pr	Hyderaba	Industrial	11.2	18.4	130.3	129		12/1/1991	1991
24	Andhra Pr	Hyderaba	Industrial	24.5	11.5	130.3	118		1/1/1992	1992
25	Andhra Pr	Hyderaba	Industrial	14.4	10.4	130.3	122		2/1/1992	1992

Cleaned Data

Data has been processed using Pandaes

AIR QUALITY DASHBOARD

State: (All)

Year: 2013

Year [Only For AQI Index]: 1987 – 2015

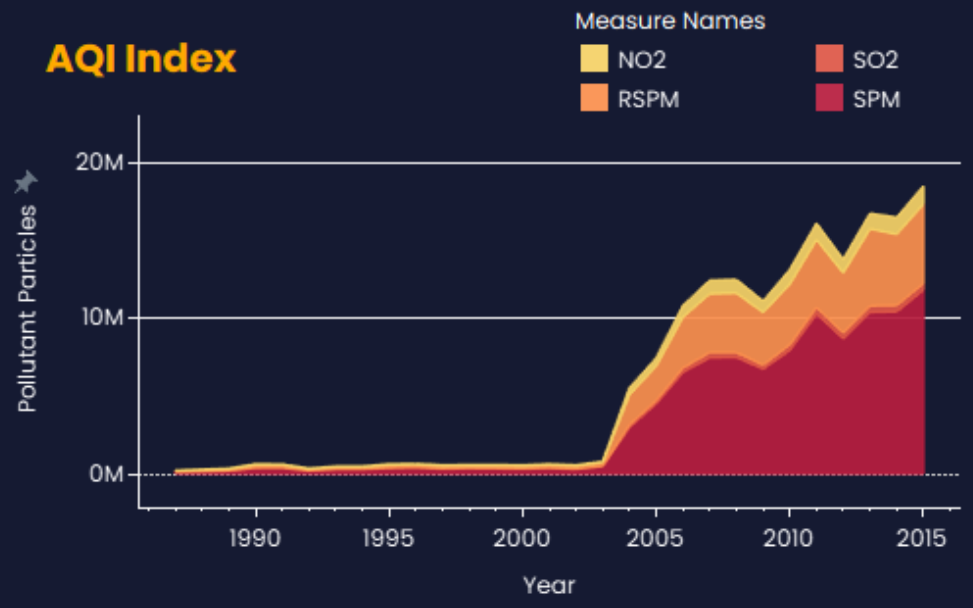
Location

Healthy Poor Unhealthy

Andhra Pradesh Arunachal Pradesh Assam Bihar Chandigarh Chhattisgarh Dadra & Nagar Haveli Daman & Diu Delhi Goa Gujarat Haryana Himachal Pradesh Jammu & Kashmir Jharkhand Karnataka Kerala Madhya Pradesh Maharashtra Manipur Meghalaya Mizoram Nagaland Odisha Puducherry Punjab Rajasthan Sikkim Tamil Nadu Telangana ...

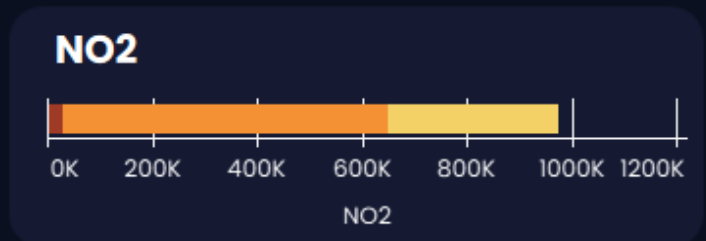
NO2	SO2	SPM	RSPM
974,740	407,019	10,357,941	4,934,536

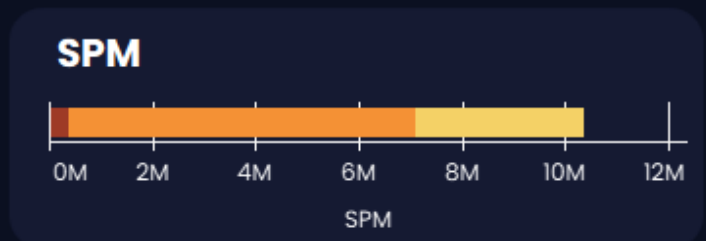
AQI Index

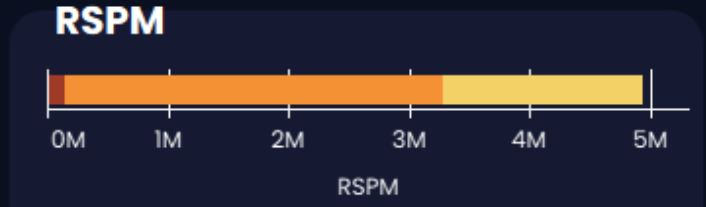


PPM

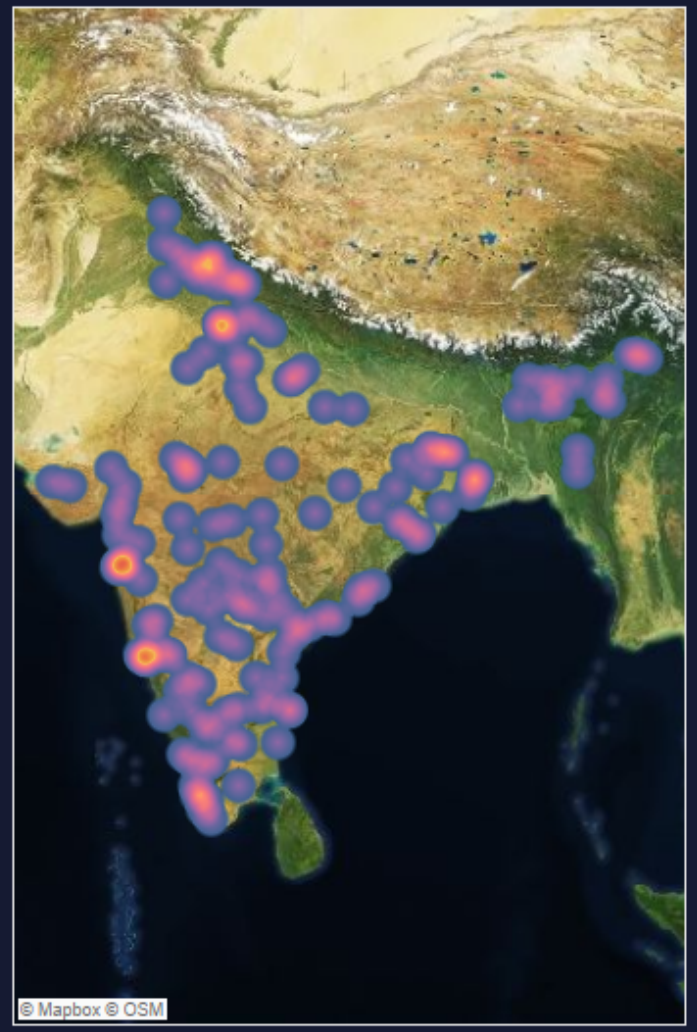
Type: Sensitive, Residential, RIRUO, Industrial







AQI Density Map



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Thank You

Winter Internship

By Arijit Dhali