**WATER ANALYSIS**

**Phase 3: Development part 1**

Stn Code Sampling Date

State City/Town/Village/Area \

1. 38 01-02-14 Tamil Nadu Chennai
2. 38 01-07-14 Tamil Nadu Chennai
3. 38 21-01-14 Tamil Nadu Chennai
4. 38 23-01-14 Tamil Nadu Chennai
5. 38 28-01-14 Tamil Nadu Chennai

0

1

2

3

4

Location of Monitoring Station Kathivakkam, Municipal Kalyana Mandapam, Chennai Kathivakkam, Municipal Kalyana Mandapam, Chennai Kathivakkam, Municipal Kalyana Mandapam, Chennai Kathivakkam, Municipal Kalyana Mandapam, Chennai Kathivakkam, Municipal Kalyana Mandapam, Chennai

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**In this section begin building your project by loading and preprocessing the dataset.**

**Program:**

import pandas as pd

data = pd.read\_csv('data2.csv') print(data.head())

data = data.dropna()

**Output:**

Agency Type of Location SO2 NO2 \

1. Tamilnadu State Pollution Control Board Industrial Area 11.0 17.0
2. Tamilnadu State Pollution Control Board Industrial Area 13.0 17.0
3. Tamilnadu State Pollution Control Board Industrial Area 12.0 18.0
4. Tamilnadu State Pollution Control Board Industrial Area 15.0 16.0
5. Tamilnadu State Pollution Control Board Industrial Area 13.0

14.0

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RSPM/PM10 PM | 2.5 |  | | |
| 0 55.0 | NaN |
| 1 45.0 | NaN |
| 2 50.0 | NaN |
| 3 46.0 | NaN |
| 4 42.0 | NaN |
| Stn Code | SO2 | NO2 | RSPM/PM10 | PM 2.5 |
| count 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| mean NaN | NaN | NaN | NaN | NaN |
| std NaN | NaN | NaN | NaN | NaN |
| min NaN | NaN | NaN | NaN | NaN |
| 25% NaN | NaN | NaN | NaN | NaN |
| 50% NaN | NaN | NaN | NaN | NaN |
| 75% NaN | NaN | NaN | NaN | NaN |
| max NaN | NaN | NaN | NaN | NaN |