

AIR POLLUTION ANALYSIS REPORT

SO₂ NO₂ PM₁₀

(All Years)

Across Indian Cities

What are these components(Pollutants):

SO₂ (Sulphur Dioxide)

- Released mainly from **coal burning, industries, and power plants**.
- Causes **acid rain**, reduces visibility, and irritates the **lungs and throat**.
- High SO₂ levels can trigger **asthma attacks** and breathing problems.

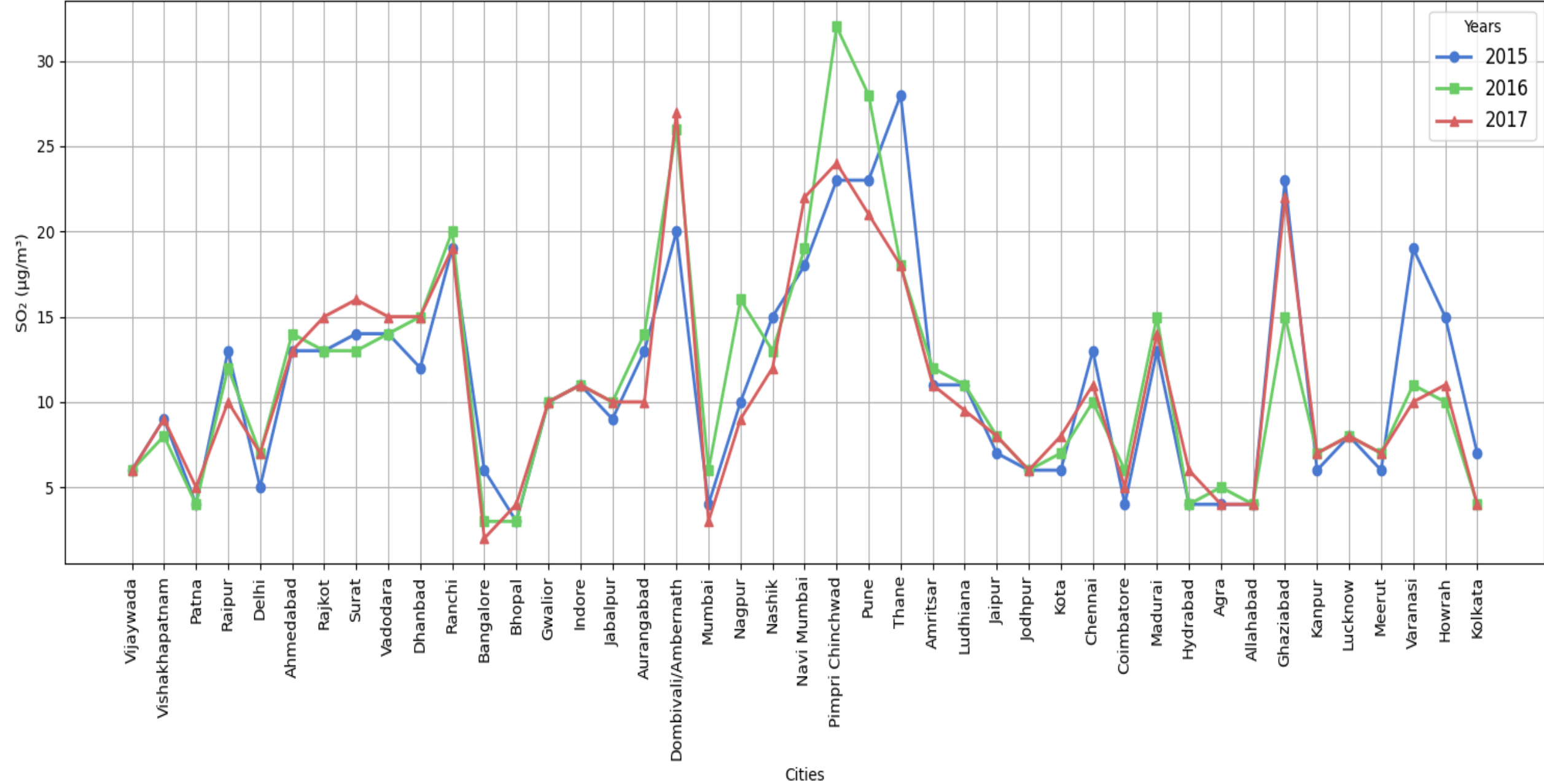
NO₂ (Nitrogen Dioxide)

- Comes mostly from **vehicle emissions**, diesel engines, and industrial combustion.
- Reacts in the air to form **ground-level ozone** and **smog**.
- Damages the lungs, decreases immunity, and increases **respiratory infections**.

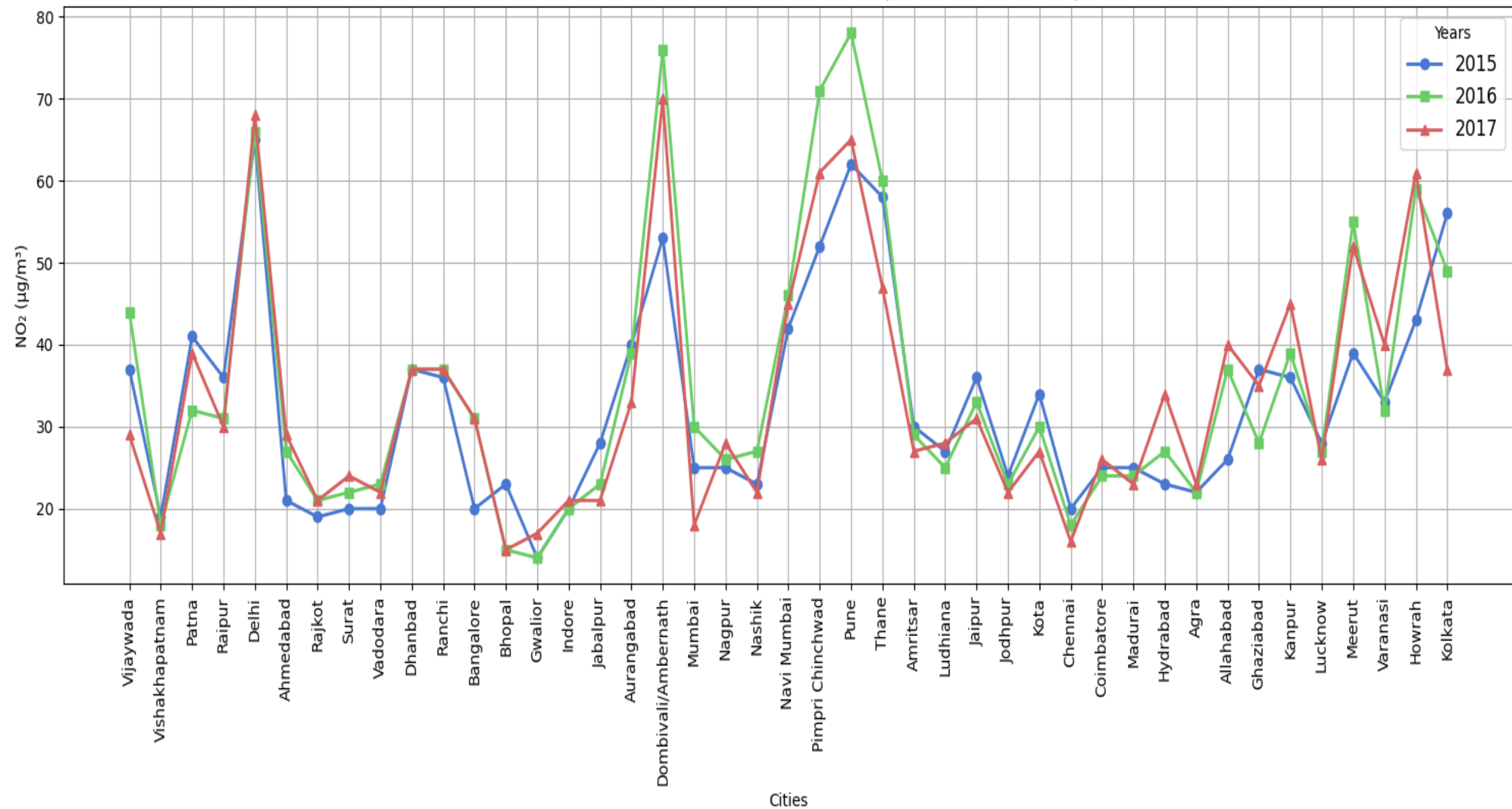
PM10 (Particulate Matter ≤10 microns)

- Tiny dust particles from **roads, construction, burning, industries**.
- Can enter the **lungs deeply**, causing coughing, asthma, heart disease, and even lung damage.
- Higher PM10 makes the air look **dusty, hazy**, and reduces visibility.

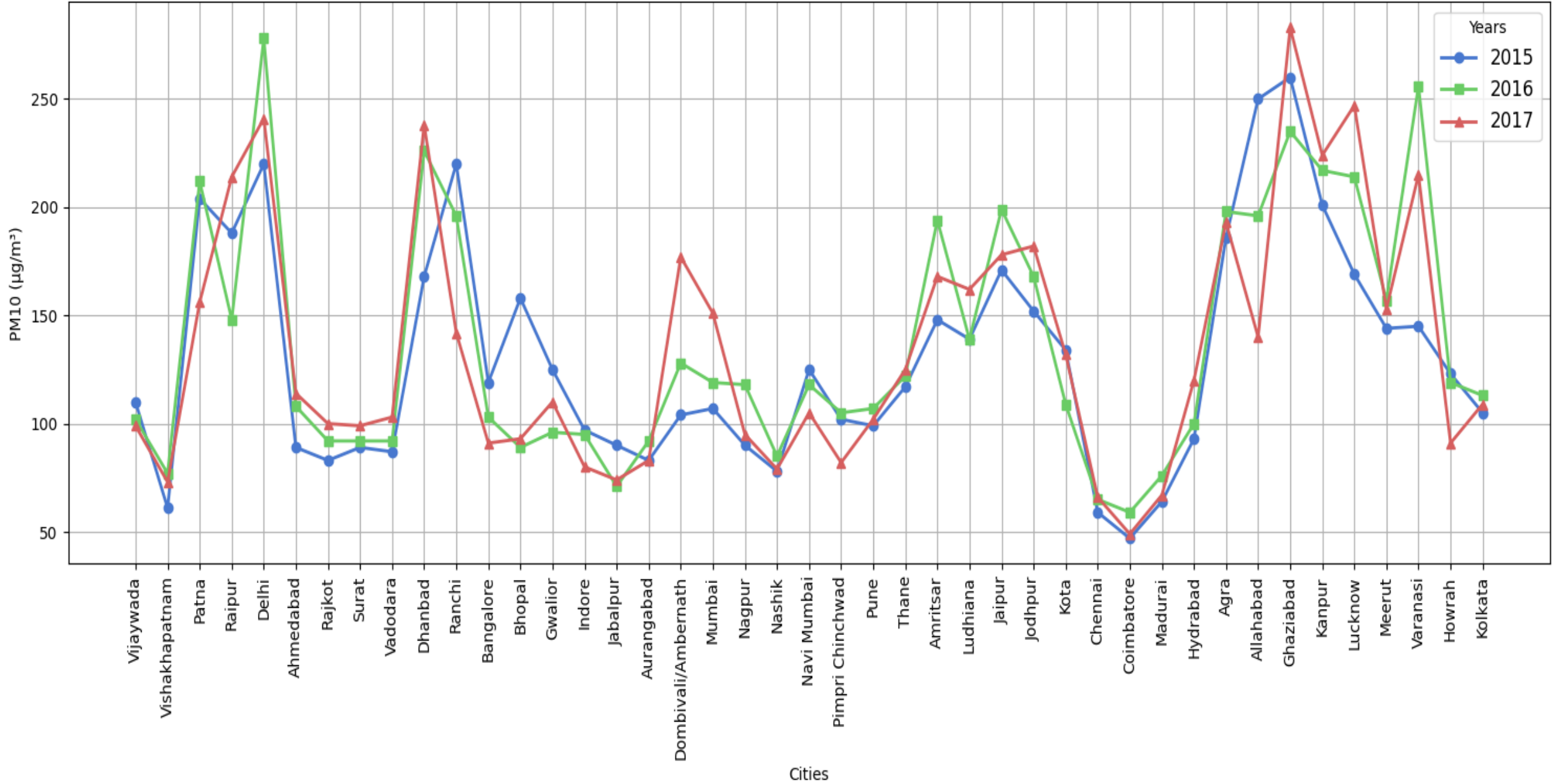
SO₂ Pollution Levels Across Cities (Combined Years)



NO₂ Pollution Levels Across Cities (Combined Years)

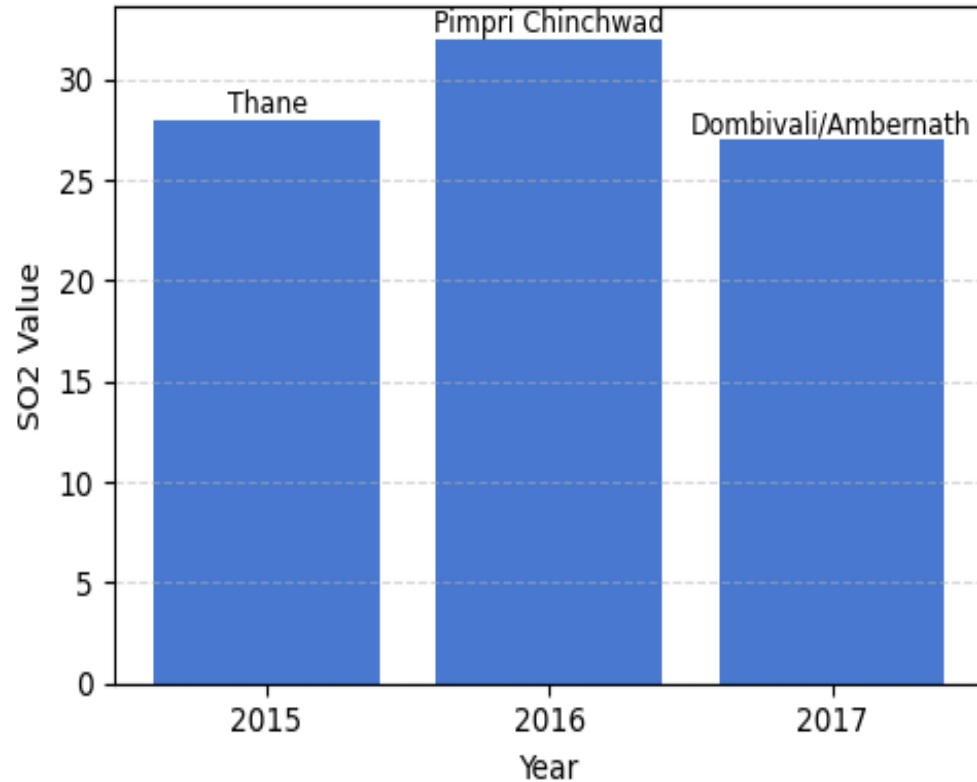


PM10 Pollution Levels Across Cities (Combined Years)

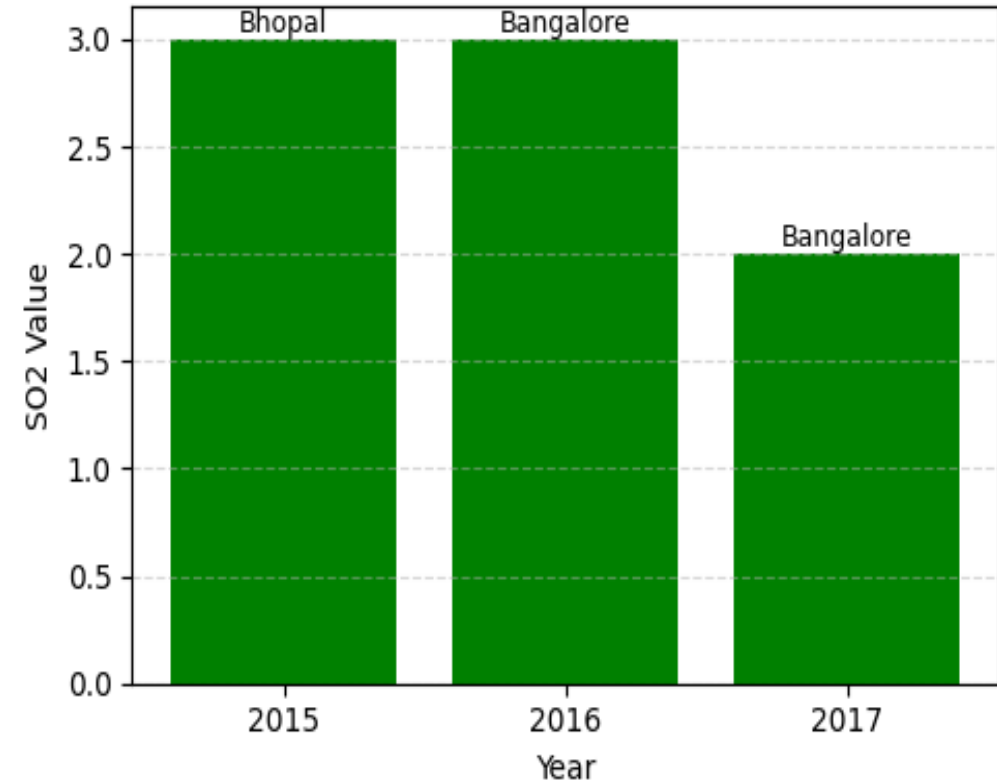


MOST & least Polluted cities due to SO₂

Highest SO₂ Levels - City with Maximum Pollution Each Year

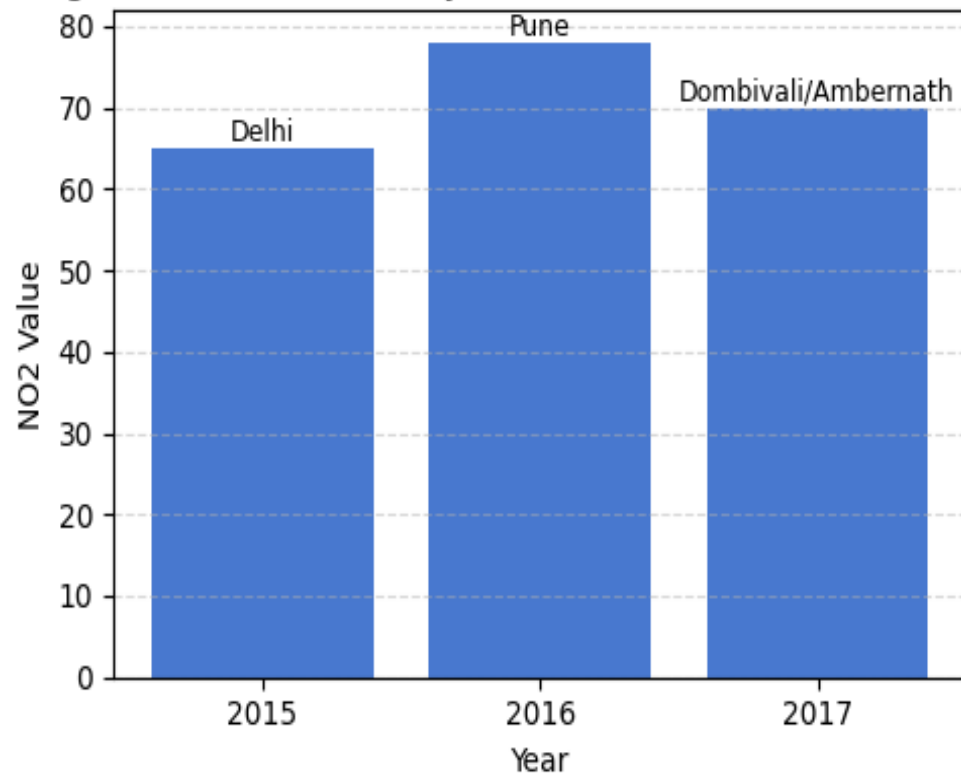


Lowest SO₂ Levels - City with Minimum Pollution Each Year

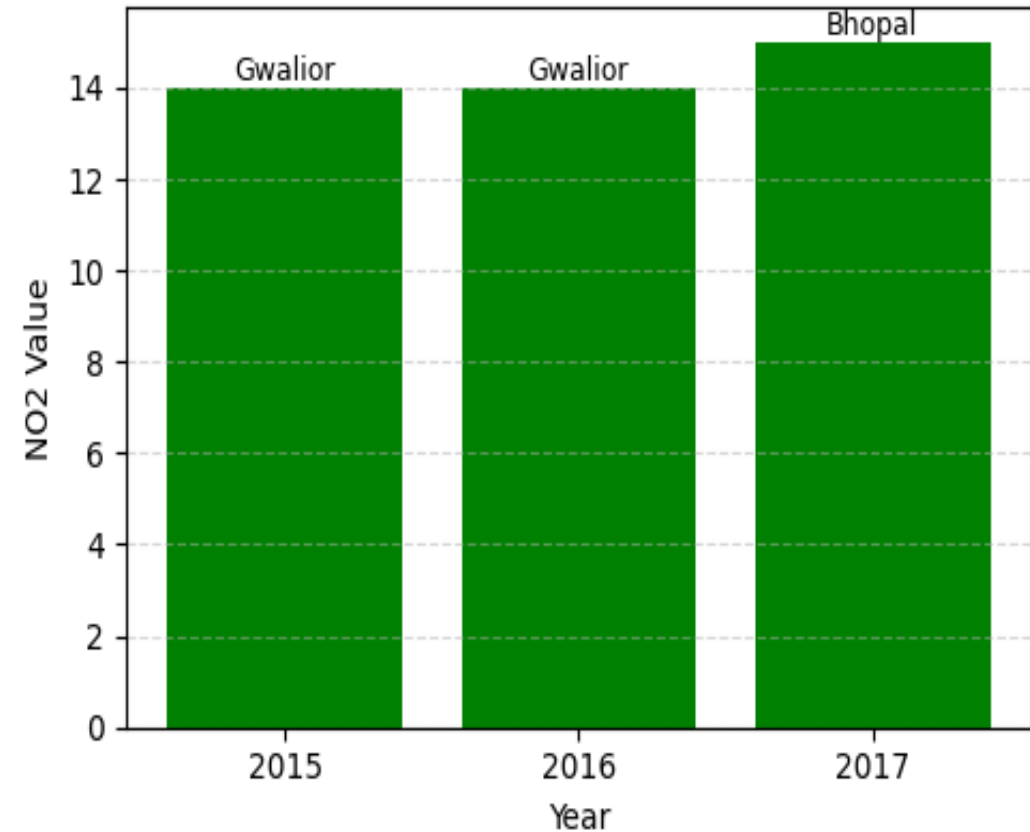


MOST & least Polluted cities due to NO₂

Highest NO₂ Levels - City with Maximum Pollution Each Year

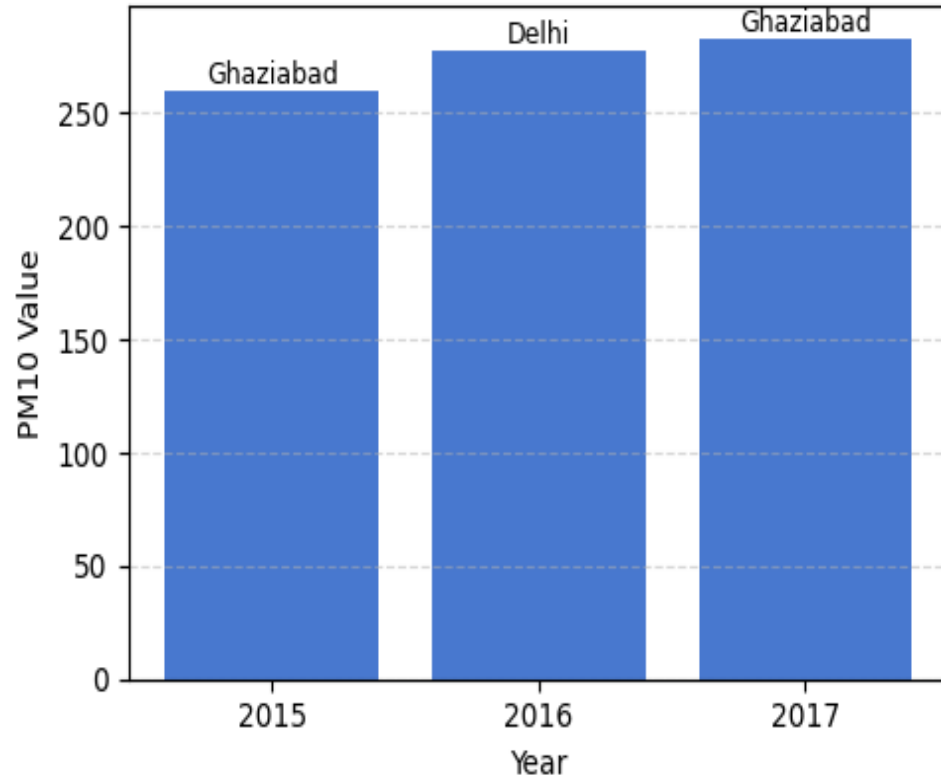


Lowest NO₂ Levels - City with Minimum Pollution Each Year

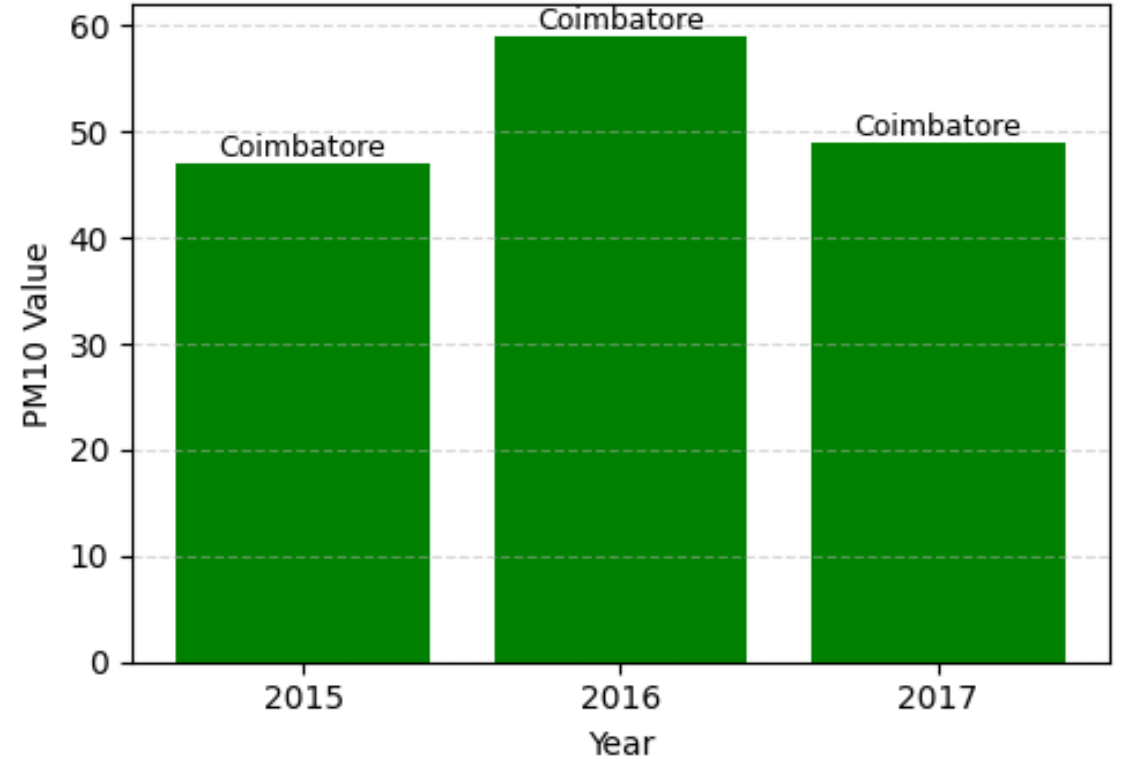


MOST & least Polluted cities due to PM₁₀

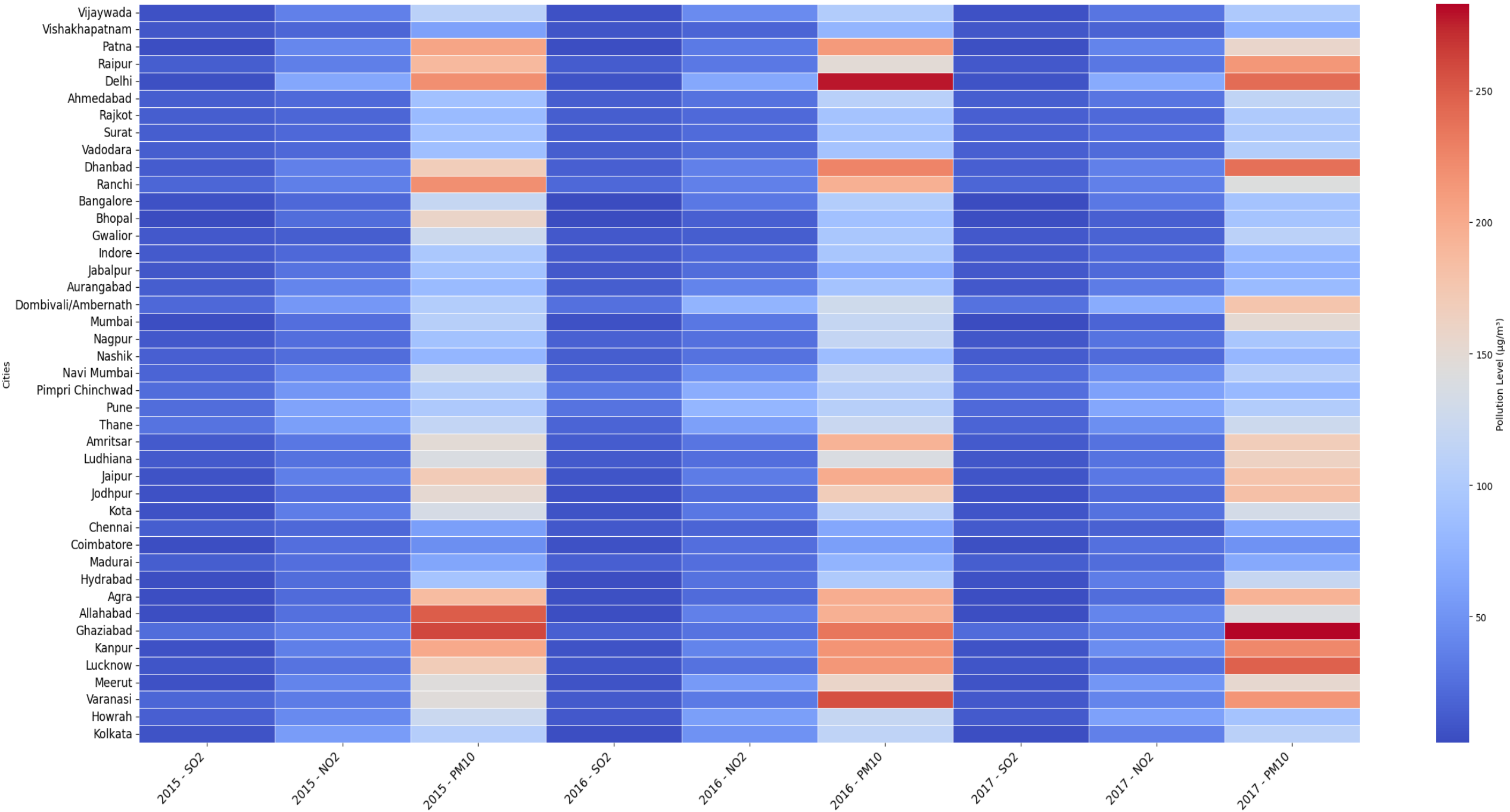
Highest PM10 Levels - City with Maximum Pollution Each Year



Lowest PM10 Levels - City with Minimum Pollution Each Year



Pollution Heatmap Across Indian Cities (SO₂, NO₂, PM₁₀, All Years)



Summary:

