

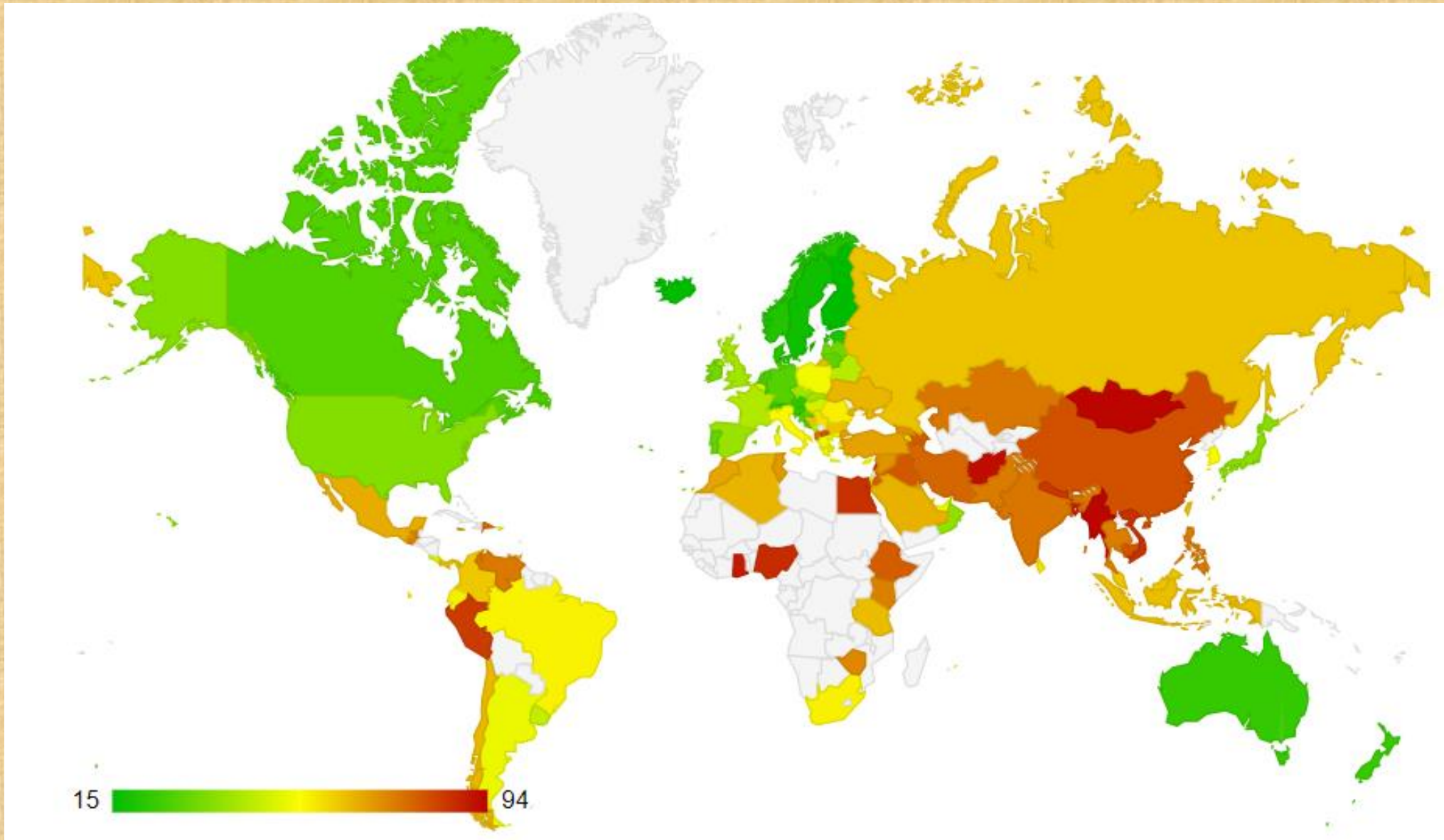


POLLUTION INDEX OF COUNTRIES

SUNIL RAPERIA (A0198464M)

The various factors taken into account while calculating the pollution index of various countries:

- Air quality
- Drinking water quality and accessibility
- Water pollution
- Green and parks in the city
- Noise pollution and light during the night
- Satisfaction with garbage disposal



Air pollution is the main factor for the Pollution index. Air Pollution takes seven million lives per year while costing the world's economy nearly 225 billion USD

### Some Facts About Pollution

14 billion pounds (6B Kg) of garbage are dumped into the ocean every year. Most of it is plastic.

Pollution kills more than 1 million seabirds and 100 million mammals every year.

While Beijing's pollution problem is more famous, the world's most polluted city is New Delhi, India.

During London's "Great Smog" of 1952, between 4,000 and 12,000 people died in a few days due to air pollution.

Breathing the air of Beijing has the same health risks as smoking 21 cigarettes a day.

A single car generates half a ton of CO<sub>2</sub> and a NASA space shuttle releases 28 tons of CO<sub>2</sub>.

Lake Karachay in Russia is the most radioactive and polluted lake in the world.

*Pollution is the introduction of contaminants into the natural environment that cause adverse change.*

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**Whilst the WHO estimates that 9 out of 10 people worldwide are now breathing unsafe polluted air, huge parts of the world still lack access to real-time data.**

	US AQI Level		PM2.5 (µg/m <sup>3</sup> )	Health Recommendation (for 24hr exposure)
	Good	0-50	0-12.0	Air quality is satisfactory and poses little or no risk.
	Moderate	51-100	12.1-35.4	Sensitive individuals should avoid outdoor activity as they may experience respiratory symptoms.
	Unhealthy for Sensitive Groups	101-150	35.5-55.4	General public and sensitive individuals in particular are at risk to experience irritation and respiratory problems.
	Unhealthy	151-200	55.5-150.4	Increased likelihood of adverse effects and aggravation to the heart and lungs among general public.
	Very Unhealthy	201-300	150.5-250.4	General public will be noticeably affected. Sensitive groups should restrict outdoor activities.
	Hazardous	301+	250.5+	General public is at high risk to experience strong irritations and adverse health effects. Everyone should avoid outdoor activities.