1. Summarized details of the data.
2. Count the number of data
3. How Many rows and Columns are there in the dataset
4. How many null data are in each column
5. Drop out the following columns stn\_code, agency, sampling\_date, location\_monitoring\_agency
6. Drop out the row where the date is not available.
7. Notice that the ‘type’ column has values such as ‘Industrial Area’ and ‘Industrial Areas’. So, let’s remove such type of stuff as changing the types to uniform format: As "Residential": "R", "Residential and others": "RO", "Residential, Rural and other Areas": "RRO", "Industrial Area": "I", "Industrial Areas": "I", "Industrial": "I", "Sensitive Area": "S", "Sensitive Areas": "S", "Sensitive": "S", np.nan: "RRO" because
8. Create additional column year
9. Remove null values from SO2, NO2, rspm, spm, pm2\_5
10. Plot barchart statewise of so2, no2, rspm, spm, pm2\_5
11. What is the yearly trend in a particular state, say ‘Andhra Pradesh’?