X = data[['Longitude', 'Latitude', 'Elevation', 'Antenna Gain', 'Transmitter Power',

          'Uplink Frequency', 'Polarization Type', 'Beam Type', 'Polarization Match',

          'Transmission Mode', 'Satellite Latitude', 'Satellite Longitude', 'Satellite Antenna Gain',

          'Rain Rate', 'Surface Temperature', 'Total Surface Pressure',

          'Humidity Level', 'Cloud Thickness', 'Path Length']]

X=[91.9963, 22.5475, 49.715, 54.5, 2200, 4.544461186, ‘Vertical’, ‘Narrow’, ‘Vertical’, ‘Continuous’, 0, 119.1, 111.2, 4.89, 18.06, 1014.7, 43.79, 1.12, 0.22, 17.19, 35786]

[90.3846, 23.9930, 49.715, 61.2, 1250, 12.01881235, Horizontal, Wide, Horizontal, Continuous, 0, 119.1, 125.4, 34.53, 28.37, 1006.39, 89.5, 3.35, 0.18, 25.79, 35786] (171 row)