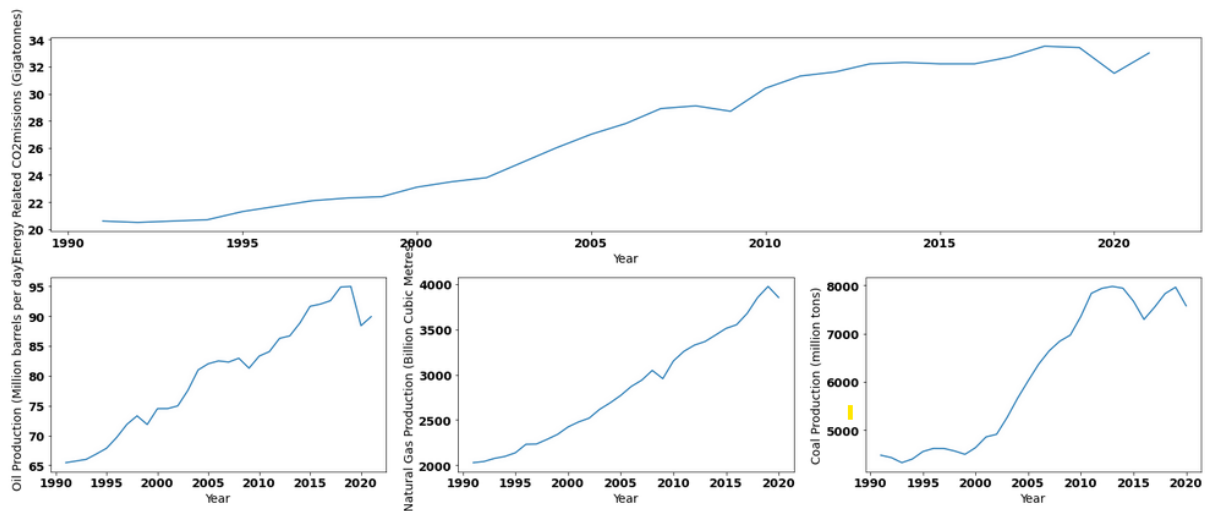


These charts shows us there is a big gap between Africa and Europe countries and this make gap between poverty.

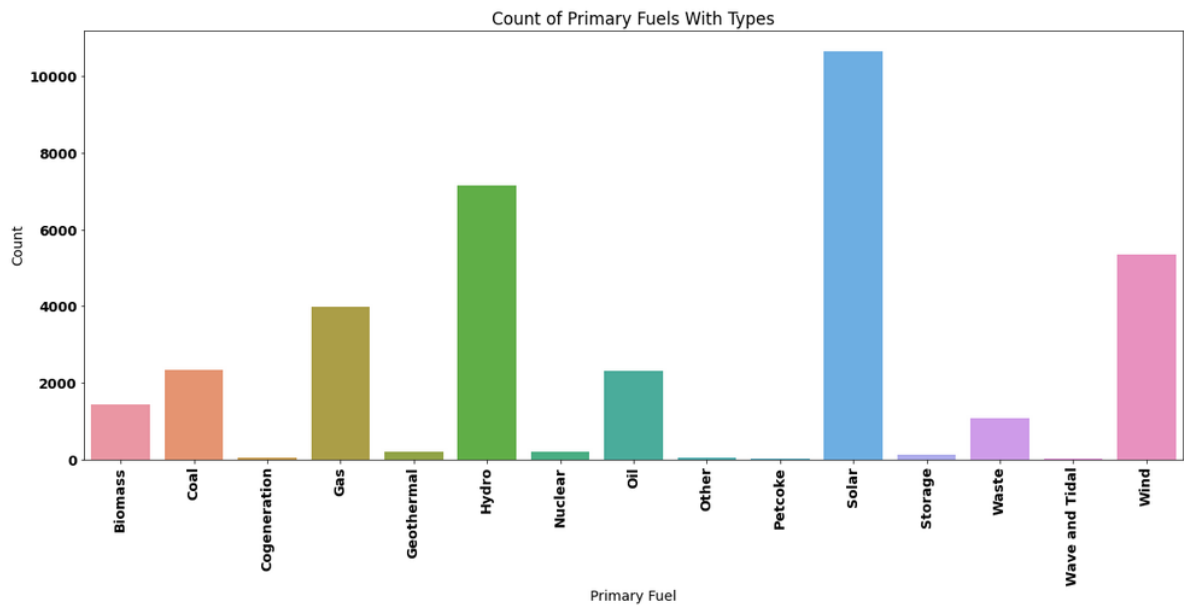
	Country Name	Year	GDP	GDP per Capita
0	United States	2021	2.299610e+13	69288
1	Luxembourg	2021	8.671080e+10	135683
10	China	2021	1.773410e+13	12556
11	Bermuda	2021	7.080900e+09	110869
20	Japan	2021	4.937420e+12	39285
...
1015	Virgin Islands (U.S.)	2021	0.000000e+00	0
1020	Iran	2021	0.000000e+00	0
1025	UAE	2021	0.000000e+00	0
1030	Kiribati	2021	0.000000e+00	0
1035	Puerto Rico	2021	0.000000e+00	0

208 rows × 4 columns



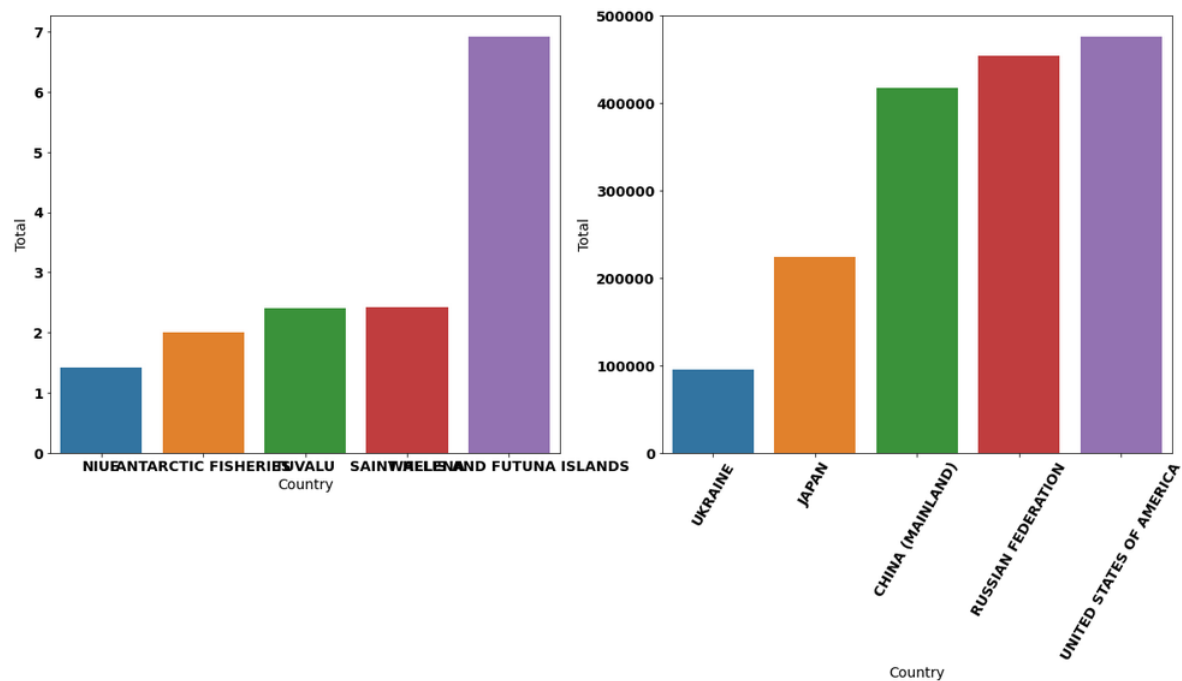
Top chart shows that what is the CO₂ emission over the years. And it shows that CO₂ emission increased significantly. And the last 3 charts shows that how is the Oil , Natural Gas and Coal production changed over the years. And it means there is a big correlation between production of these mines and CO₂ emission.

	Year	Energy Related CO ₂ missions (Gigatonnes)	Oil Production (Million barrels per day)	Natural Gas Production (Billion Cubic Metres)	Coal Production (million tons)	Electricity Generation (Terawatt-hours)	Hydroelectricity consumption in TWh	Nuclear energy consumption in TWh	Installed Solar Capacity (GW)	Installed Wind Capacity in GW
0	1991	20.6	65.44	2026.8	4481.0	12,218	2247.96	2089.56	NaN	1.93
1	1992	20.5	65.71	2039.4	4432.0	12,330	2240.48	2105.40	NaN	2.17
2	1993	20.6	65.99	2073.5	4327.0	12,592	2364.56	2179.32	NaN	2.50
3	1994	20.7	66.89	2095.7	4402.0	12,917	2382.16	2217.60	NaN	2.99
4	1995	21.3	67.85	2136.1	4557.0	13,375	2508.44	2314.84	NaN	3.49
5	1996	21.7	69.67	2230.0	4622.0	13,789	2548.92	2397.12	NaN	6.10
6	1997	22.1	71.85	2233.0	4621.0	14,121	2589.40	2381.28	NaN	7.60
7	1998	22.3	73.28	2284.1	4569.0	14,503	2620.64	2422.20	NaN	10.20
8	1999	22.4	71.83	2339.3	4499.0	14,918	2640.00	2514.16	NaN	13.60
9	2000	23.1	74.48	2421.8	4638.0	15,556	2714.36	2574.00	1.3	17.00
10	2001	23.5	74.49	2477.2	4860.0	15,789	2615.80	2645.28	1.6	24.00
11	2002	23.8	74.95	2518.9	4914.0	16,345	2633.84	2686.20	2.1	31.00
12	2003	24.9	77.57	2616.6	5263.0	16,924	2632.96	2632.52	2.6	39.00
13	2004	26.0	80.97	2688.5	5663.0	17,727	2797.52	2749.56	3.7	48.00
14	2005	27.0	82.01	2770.4	6022.0	18,454	2914.12	2757.48	5.1	59.00
15	2006	27.8	82.48	2869.4	6367.0	19,155	3023.68	2794.88	6.7	74.00
16	2007	28.9	82.29	2939.3	6644.0	20,046	3081.76	2735.92	9.2	94.00
17	2008	29.1	82.93	3047.2	6842.0	20,422	3201.88	2723.60	16.0	121.00
18	2009	28.7	81.26	2955.9	6968.0	20,265	3245.00	2702.04	23.0	159.00
19	2010	30.4	83.29	3150.8	7354.0	21570.7	3427.16	2755.72	40.0	198.00
20	2011	31.3	84.04	3258.0	7833.0	22257	3482.60	2636.92	70.0	238.00
21	2012	31.6	86.26	3326.8	7936.0	22806.3	3655.08	2461.80	101.0	283.00
22	2013	32.2	86.67	3366.1	7976.0	23435.2	3781.36	2480.72	138.0	319.00



This chart shows that the primary fuels that power-plant uses and number of them. The top 3 primary fuels are Solar, Hydro, Wind.

	country code	country_long	name of powerplant	capacity in MW	latitude	longitude	primary_fuel	secondary fuel	other_fuel2	other_fuel3	start date	owner of plant	generation_gwh_2021
0	AFG	Afghanistan	Kajaki Hydroelectric Power Plant Afghanistan	33.0	32.3220	65.1190	Hydro	NaN	NaN	NaN	NaN	NaN	NaN
1	AFG	Afghanistan	Kandahar DOG	10.0	31.6700	65.7950	Solar	NaN	NaN	NaN	NaN	NaN	NaN
2	AFG	Afghanistan	Kandahar JOL	10.0	31.6230	65.7920	Solar	NaN	NaN	NaN	NaN	NaN	NaN
3	AFG	Afghanistan	Mahipar Hydroelectric Power Plant Afghanistan	66.0	34.5560	69.4787	Hydro	NaN	NaN	NaN	NaN	NaN	NaN
4	AFG	Afghanistan	Naghlu Dam Hydroelectric Power Plant Afghanistan	100.0	34.6410	69.7170	Hydro	NaN	NaN	NaN	NaN	NaN	NaN
...
34931	ZMB	Zambia	Ndola	50.0	-12.9667	28.6333	Oil	NaN	NaN	NaN	NaN	ZESCO	NaN
34932	ZMB	Zambia	Nkana	20.0	-12.8167	28.2000	Oil	NaN	NaN	NaN	NaN	ZESCO	NaN
34933	ZMB	Zambia	Victoria Falls	108.0	-17.9167	25.8500	Hydro	NaN	NaN	NaN	NaN	ZESCO	NaN



This chart shows that the top 5 and last 5 countries that produce CO2 emission and it means if a country has more population its CO2 emission is more. And if a country has less population it means there is less CO2 emission.

Year	Country	Total	Solid Fuel	Liquid Fuel	Gas Fuel	Cement	Gas Flaring	Per Capita	Bunker fuels (Not in Total)
0 1751	UNITED KINGDOM	2552	2552	0	0	0	0	0.00	0
1 1752	UNITED KINGDOM	2553	2553	0	0	0	0	0.00	0
2 1753	UNITED KINGDOM	2553	2553	0	0	0	0	0.00	0
3 1754	UNITED KINGDOM	2554	2554	0	0	0	0	0.00	0
4 1755	UNITED KINGDOM	2555	2555	0	0	0	0	0.00	0
...
17227 2014	VIET NAM	45517	19246	12694	5349	8229	0	0.49	761
17228 2014	WALLIS AND FUTUNA ISLANDS	6	0	6	0	0	0	0.44	1
17229 2014	YEMEN	6190	137	5090	581	381	0	0.24	153
17230 2014	ZAMBIA	1228	132	797	0	299	0	0.08	33
17231 2014	ZIMBABWE	3278	2097	1005	0	177	0	0.22	9

17232 rows × 10 columns