






## Data Appendix

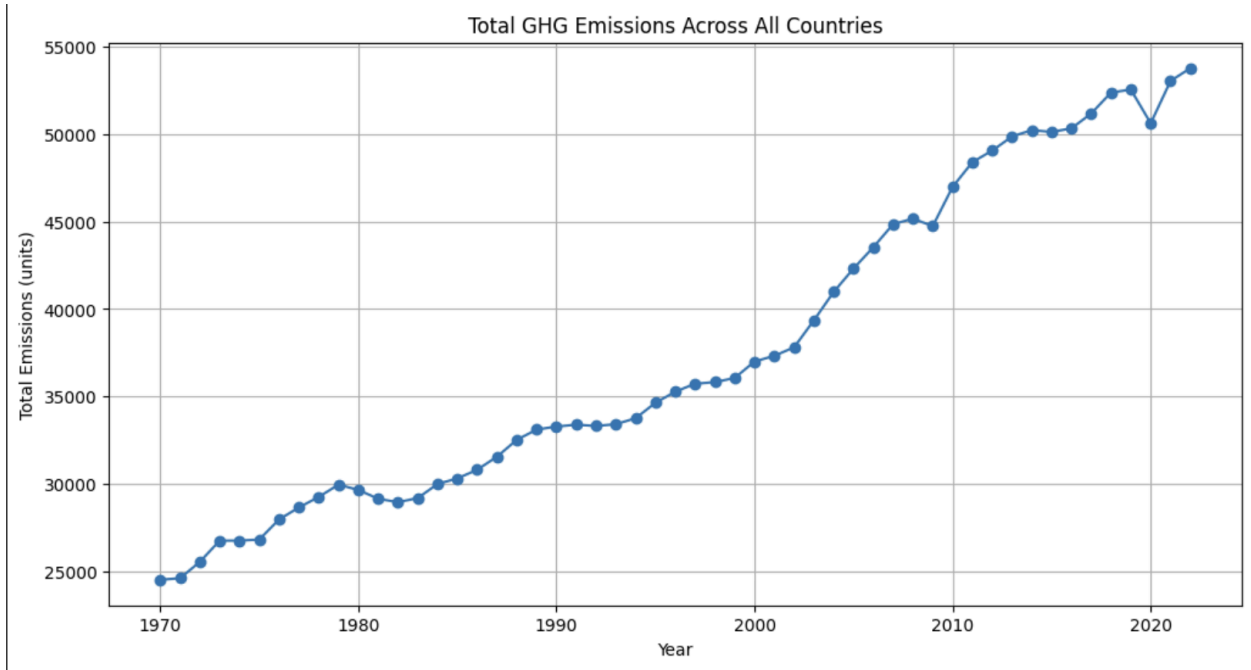
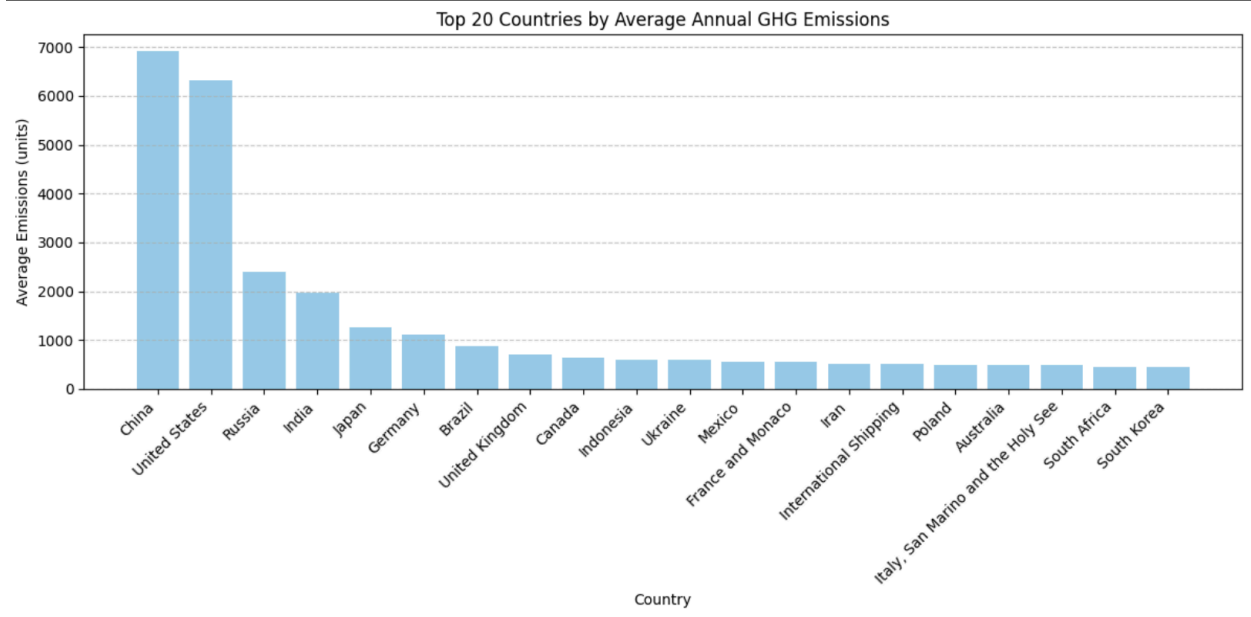
CSV Files	Variables	Unit of Observation
Gabon.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Jamaica.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Mauritius.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
United_Kingdom.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Côte_d'Ivoire.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Syria.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Japan.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Iran.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Sri_Lanka.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Sierra_Leone.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Venezuela.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Latvia.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Timor-Leste.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Greece.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Estonia.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Australia.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Puerto_Rico.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Serbia_and_Montenegro.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Romania.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Benin.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Yemen.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Guinea.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Equatorial_Guinea.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Togo.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Argentina.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Peru.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year
Paraguay.csv	Year, Emissions	Annual Greenhouse Gas Emissions (MTCO2e) per year

\*\*\*NOTE: (There are a total of 212 rows representing 212 countries)\*\*\*

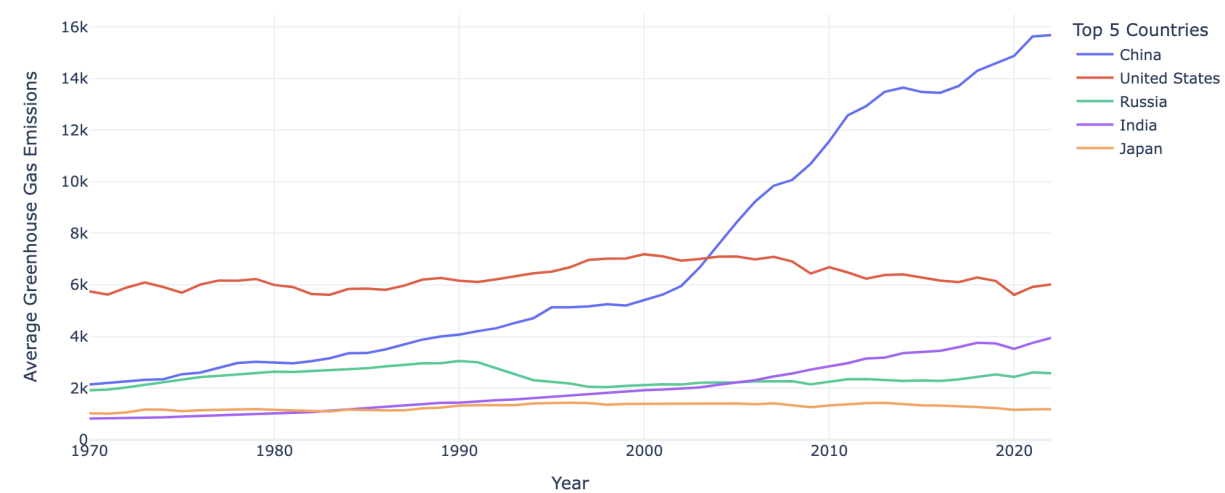
### Variable Analysis:

Individual Country Data 		
Column 	Description 	Example Response 
Year	Year of data collection of environmental data from 1970 to 2022	1990, 2022
Emissions	Annual greenhouse gas emissions per country(MTCO2e)	2866.10, 3013.46

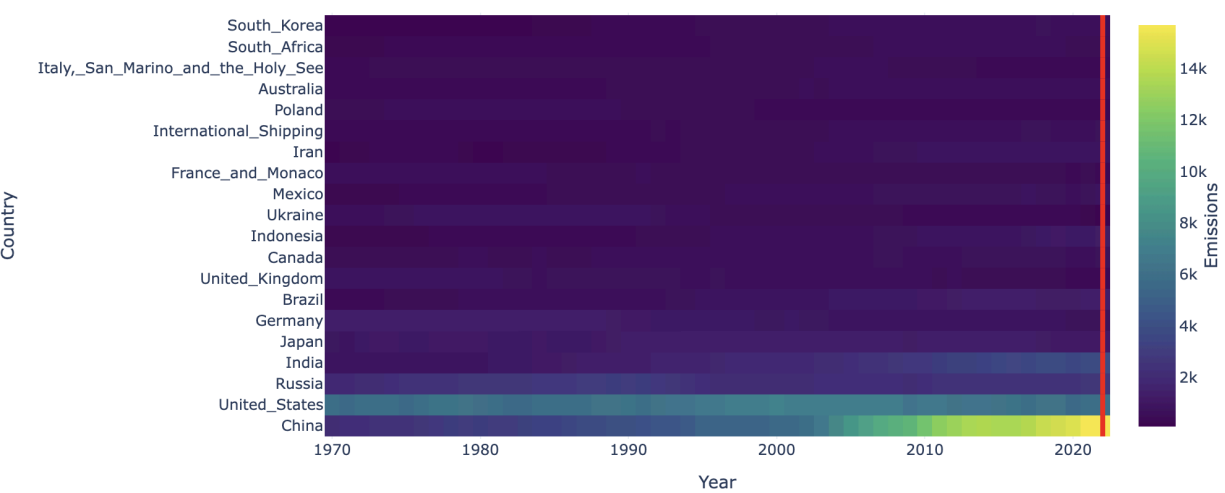
EDA Diagrams:



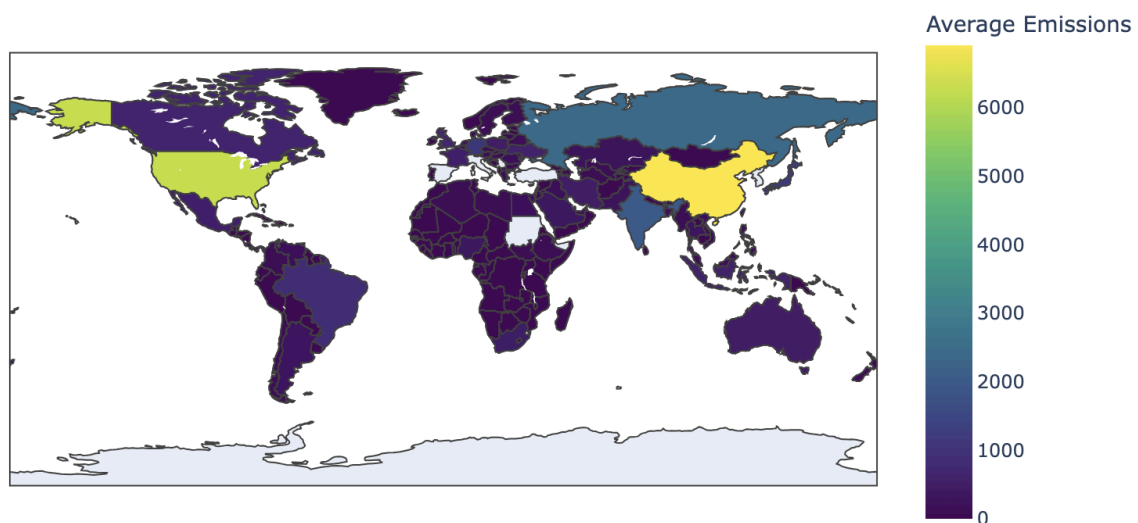
Greenhouse Gas Emission Trends by Top 5 Countries (Highest to Lowest Average Emissions)



Greenhouse Gas Emissions Heatmap (Top 20 Countries)



## Average Greenhouse Gas Emissions by Country



### Each Country's Projected Emissions in 2050:

Country	Project Emissions in 2050
Gabon	18.32814832
Jamaica	7.290719335
Mauritius	9.177237019
United Kingdom	427.4005762
Côte d'Ivoire	58.56275149
Syria	47.6719072
Japan	1179.972376
Iran	965.0337843
Sri Lanka	39.11310244
Sierra Leone	7.056901896
Venezuela	178.4029772
Latvia	9.395797435
Timor-Leste	2.352075802
Greece	67.09143642
Estonia	13.73120673
Australia	535.1582039

Puerto Rico	15.20884435
Serbia and Montenegro	69.93378739
Romania	109.8785709
Benin	38.46580819
Yemen	38.12473968
Guinea	50.11810207
Equatorial Guinea	6.752590943
Togo	17.4634638
Argentina	383.2935951
Peru	141.5014163
Paraguay	54.07095838
Greenland	0.5390589326
Saint Pierre and Miquelon	0.04381910787
Eritrea	6.948746502
Morocco	170.8090034
Faroes	0.05103222005
Nepal	78.49673643
Slovakia	45.71474506
Thailand	530.6879982
North Korea	81.95651344
Georgia	18.57703818
Iceland	4.755192442
Anguilla	0.02837234544
Seychelles	1.193021413
Haiti	16.88724118
Aruba	0.4954744226
Suriname	4.442640174
United Arab Emirates	440.1000854
Algeria	400.0165429
Kiribati	0.1098796514
Israel and Palestine, State of	87.03441013
Qatar	196.51074
Singapore	101.484793

Bangladesh	360.5603079
Saint Helena, Ascension and Tristan da Cunha	0.0196567766
Honduras	32.59743122
Mexico	1085.409595
Egypt	383.9700045
South Korea	879.978124
Kenya	182.2816234
Portugal	54.40867311
Belize	0.977758216
Slovenia	18.42559523
Kyrgyzstan	21.8587439
Western Sahara	0.4905325437
Zimbabwe	30.30906931
Solomon Islands	0.754671563
Sweden	60.62897796
Fiji	2.957743252
British Virgin Islands	0.07535848617
Barbados	0.9307742707
Afghanistan	28.79556222
France and Monaco	431.2526256
Finland	55.49710212
Poland	401.0051896
Djibouti	2.231522771
Lithuania	20.49889472
Martinique	1.069846786
Lesotho	2.990773026
Italy, San Marino and the Holy See	383.2756803
Curaçao	2.15271037
Guatemala	70.30873835
China	16749.18364
Belgium	115.3678639
Nicaragua	21.1409747
Comoros	1.51881551

Saint Lucia	0.4313402482
Taiwan	296.0611157
Canada	746.1747136
Myanmar-Burma	190.2932462
EU27	3392.544074
Cayman Islands	0.3437397365
Bermuda	0.3516659337
Bosnia and Herzegovina	29.24288938
Uzbekistan	227.4304858
The Gambia	2.351893294
Eswatini	3.353511421
Burkina Faso	60.27783862
Germany	549.7790838
Luxembourg	8.357140962
Kuwait	169.0401698
Brunei	14.89755133
GLOBAL TOTAL	69347.22256
Falkland Islands	0.02465320736
Belarus	95.96672143
Czechia	125.6464761
Saint Vincent and the Grenadines	0.1548750354
Indonesia	1269.08127
Grenada	0.1940998454
Mongolia	62.09091485
Botswana	12.65051302
Jordan	50.24019419
Pakistan	811.1154499
Mozambique	40.83769797
Moldova	11.4077393
South Africa	470.5768213
Netherlands	133.1069611
International Aviation	438.8030874
Malawi	38.63793954

Malaysia	506.7126025
Rwanda	9.03069186
New Caledonia	5.690782422
Tajikistan	23.8484811
Palau	1.586425246
Burundi	9.497436835
United States	5958.144006
Cameroon	42.76046888
Turkmenistan	128.6282972
Colombia	282.5255315
Laos	36.69137393
Niger	74.48526369
Armenia	8.925433994
Bulgaria	69.32668724
International Shipping	755.9854246
Costa Rica	16.83271429
Zambia	41.08928268
New Zealand	83.15533346
Mali	64.81733308
Uganda	86.3950068
Russia	2603.124882
Saudi Arabia	956.802735
Bahrain	99.95476687
Hungary	61.04331736
Bhutan	4.1303771
El Salvador	13.07488737
Angola	63.38397084
Panama	18.27524998
Brazil	1806.224094
Cook Islands	0.1182355746
Cuba	45.01198958
India	6048.324492
Congo	26.20417532



Samoa	0.6437313269
French Polynesia	1.112545138
Chile	176.0910549
Sudan and South Sudan	173.5955487
Réunion	3.146068873
Papua New Guinea	9.148492399
Saint Kitts and Nevis	0.1534712876
Ireland	63.66850078
Bahamas	1.881581474
São Tomé and Príncipe	0.3776566578
Austria	77.42485192
Albania	7.977388757
Mauritania	24.06603904
Namibia	12.98977477
Switzerland and Liechtenstein	46.08954587
Ethiopia	349.1972046
Dominica	0.1471157327
Guadeloupe	1.260739496
Vietnam	477.0923395
Spain and Andorra	341.0175493
Liberia	6.784428079
Denmark	46.04965888
Central African Republic	13.41189858
Malta	2.180742261
Hong Kong	30.86514207
Dominican Republic	41.82308464
Guinea-Bissau	3.238231544
Nigeria	405.4430574
Macao	2.475382282
Tanzania	141.7475729
Democratic Republic of the Congo	78.94583967
Gibraltar	0.7043316602
Oman	211.943375

Guyana	9.177779404
Lebanon	32.01331326
Tunisia	69.78370579
Bolivia	64.78249597
Antigua and Barbuda	0.360800751
Somalia	33.37866457
Iraq	367.6255202
Chad	181.051718
Madagascar	41.39128258
Norway	70.0949119
Uruguay	41.97757703
Ghana	100.7455125
Azerbaijan	73.86905781
Croatia	24.19399013
Cabo Verde	1.724988096
Cyprus	14.39623858
Libya	90.85477676
Philippines	405.3344195
Senegal	50.09377399
North Macedonia	11.2482823
Turks and Caicos Islands	0.1004244274
Tonga	0.28425269
Trinidad and Tobago	41.95046289
Ukraine	108.2253692
Cambodia	62.21283752
Ecuador	108.5263065
Türkiye	1184.465368
Maldives	2.429024257
French Guiana	0.5854874779
Kazakhstan	342.6703379
Vanuatu	0.5838217002