

# UNEARTHING THE ENVIRONMENTAL IMPACT OF HUMAN ACTIVITY: A GLOBAL CO2 EMISSION ANALYSIS

## OUTPUT SCREENSHOTS

### MILESTONE: 7

### ACTIVITY 1: AMOUNT OF DATA RENDERED IN DB

SQLQuery2.sql - HP\SQLSERVER.Pd (HP\ELCOT (52)) - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Query Project Tools Window Help

Object Explorer

Connect

master model msdb msdtdb tempdb Database Snapshots Pd Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Co2 Columns Keys Constraints Triggers Indexes Statistics Views System Views

SQLQuery2.sql - HP\SQLSERVER.Pd (HP\ELCOT (52))

ms sqlquery1.sql - ...S.Pd (HP\ELCOT (55))

EXEC sp\_help 'dbo.Co2';

Results Messages

| Name | Owner | Type       | Created_datetime        |
|------|-------|------------|-------------------------|
| Co2  | dbo   | user table | 2023-04-10 14:07:06.867 |

| Column_name     | Type     | Computed | Length | Prec | Scale | Nullable | TrimTrailingBlanks | FixedLenNullInSource | Collation            |
|-----------------|----------|----------|--------|------|-------|----------|--------------------|----------------------|----------------------|
| country         | nvarchar | no       | 100    |      |       | no       | (n/a)              | (n/a)                | Latin1_General_CI_AI |
| year            | int      | no       | 4      | 10   | 0     | no       | (n/a)              | (n/a)                | NULL                 |
| co2             | float    | no       | 8      | 53   | NULL  | no       | (n/a)              | (n/a)                | NULL                 |
| co2_growth_pret | nvarchar | no       | 100    |      |       | no       | (n/a)              | (n/a)                | Latin1_General_CI_AI |
| co2_per_capita  | nvarchar | no       | 100    |      |       | no       | (n/a)              | (n/a)                | Latin1_General_CI_AI |
| cumulative_co2  | float    | no       | 8      | 53   | NULL  | no       | (n/a)              | (n/a)                | NULL                 |
| coal_co2        | nvarchar | no       | 100    |      |       | no       | (n/a)              | (n/a)                | Latin1_General_CI_AI |
| cement_co2      | nvarchar | no       | 100    |      |       | no       | (n/a)              | (n/a)                | Latin1_General_CI_AI |

Identity Seed Increment Not For Replication

| Identity                    | Seed | Increment | Not For Replication |
|-----------------------------|------|-----------|---------------------|
| No identity column defined. | NULL | NULL      | NULL                |

RowGuidCol

| RowGuidCol                    |
|-------------------------------|
| No rowguidcol column defined. |

Data\_located\_on\_filegroup

| Data_located_on_filegroup |
|---------------------------|
| PRIMARY                   |

Query executed successfully. HP\SQLSERVER (16.0 RTM) HP\ELCOT (52) Pd 00:00:03 20 rows

SQLQuery1.sql - HP\SQLSERVER.Pd (HP\ELCOT (55)) - Microsoft SQL Server Management Studio

Quick Launch (Ctrl+Q)

File Edit View Query Project Tools Window Help

Object Explorer

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master model msdb msdtdb tempdb Database Snapshots Pd Database Diagrams Tables System Tables FileTables External Tables Graph Tables dbo.Co2 Columns Keys Constraints Triggers Indexes Statistics Views System Views

SQLQuery1.sql - HP\SQLSERVER.Pd (HP\ELCOT (55))

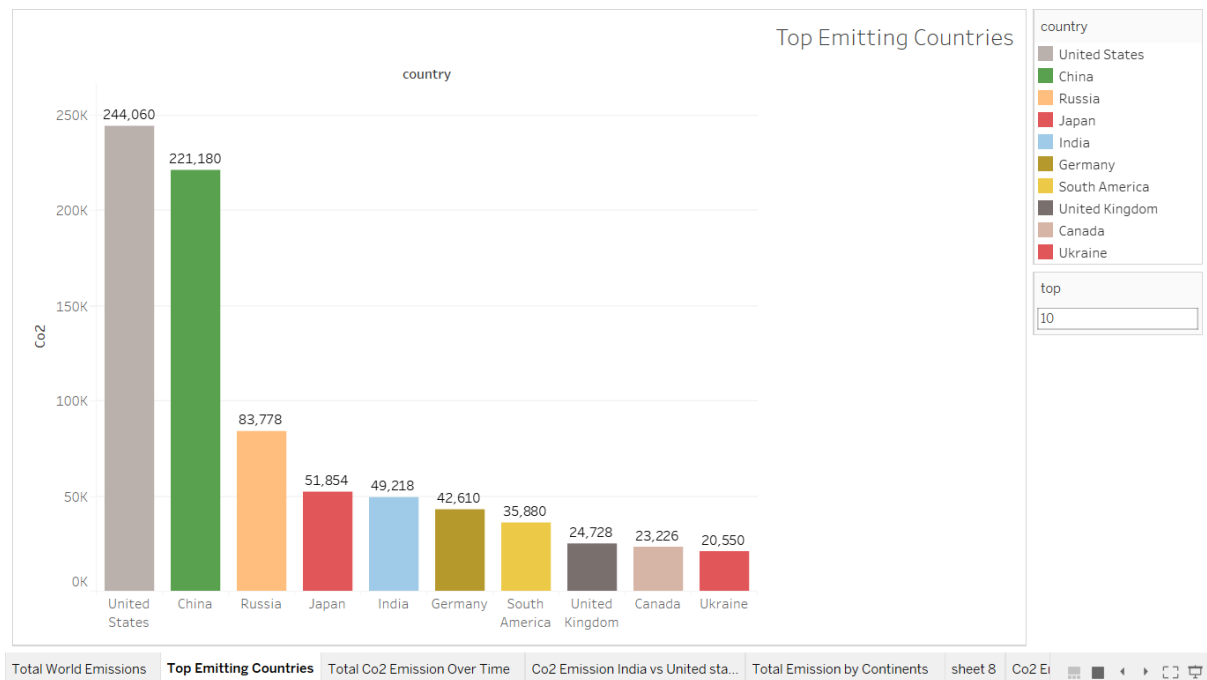
USE Pd SELECT \* FROM INFORMATION\_SCHEMA.COLUMNS

Results Messages

| TABLE_CATALOG | TABLE_SCHEMA | TABLE_NAME | COLUMN_NAME            | ORDINAL_POSITION | COLUMN_DEFAULT | IS_NULLABLE | DATA_TYPE | CHARACTER_LENGTH |
|---------------|--------------|------------|------------------------|------------------|----------------|-------------|-----------|------------------|
| Pd            | dbo          | Co2        | country                | 1                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | year                   | 2                | NULL           | NO          | int       | NULL             |
| Pd            | dbo          | Co2        | co2                    | 3                | NULL           | NO          | float     | NULL             |
| Pd            | dbo          | Co2        | co2_growth_pret        | 4                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | co2_per_capita         | 5                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | cumulative_co2         | 6                | NULL           | NO          | float     | NULL             |
| Pd            | dbo          | Co2        | coal_co2               | 7                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | cement_co2             | 8                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | flaring_co2            | 9                | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | gas_co2                | 10               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | oil_co2                | 11               | NULL           | NO          | float     | NULL             |
| Pd            | dbo          | Co2        | other_industry_co2     | 12               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | cement_co2_per_capita  | 13               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | coal_co2_per_capita    | 14               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | flaring_co2_per_capita | 15               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | gas_co2_per_capita     | 16               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | oil_co2_per_capita     | 17               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | other_co2_per_capita   | 18               | NULL           | NO          | nvarchar  | 50               |
| Pd            | dbo          | Co2        | trade_co2_share        | 19               | NULL           | NO          | nvarchar  | 50               |

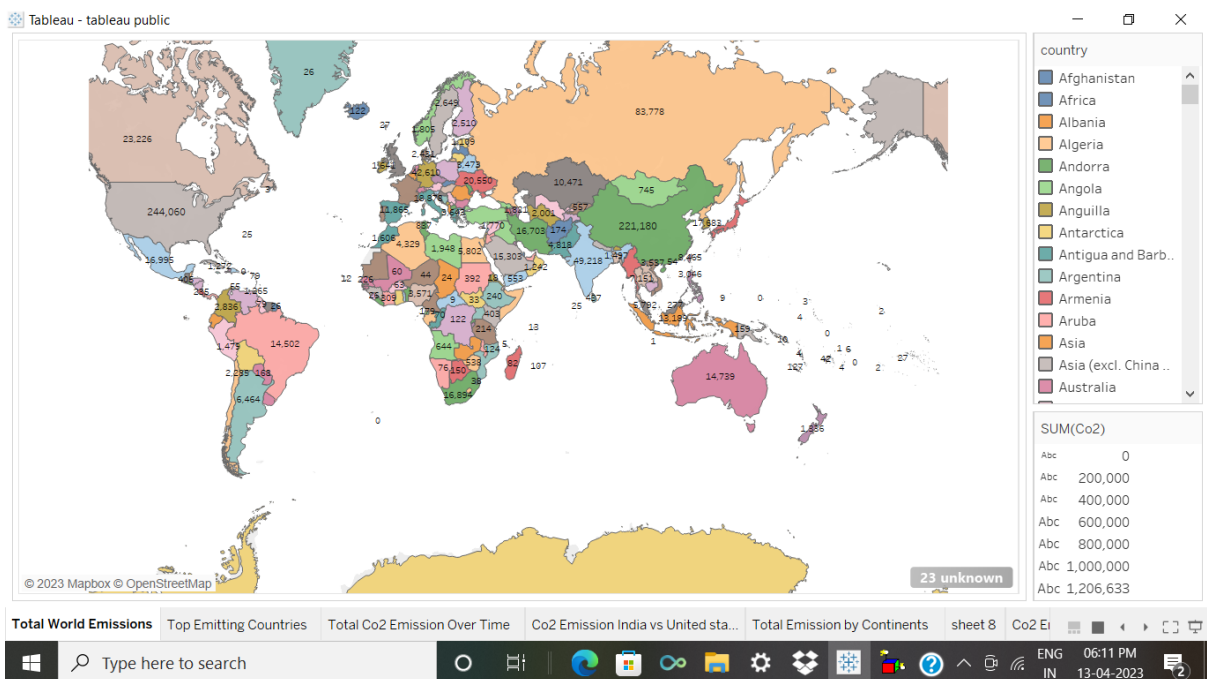
Query executed successfully. HP\SQLSERVER (16.0 RTM) HP\ELCOT (55) Pd 00:00:00 25 rows

## ACTIVITY 2: UTILIZATION OF DATA FILTERS

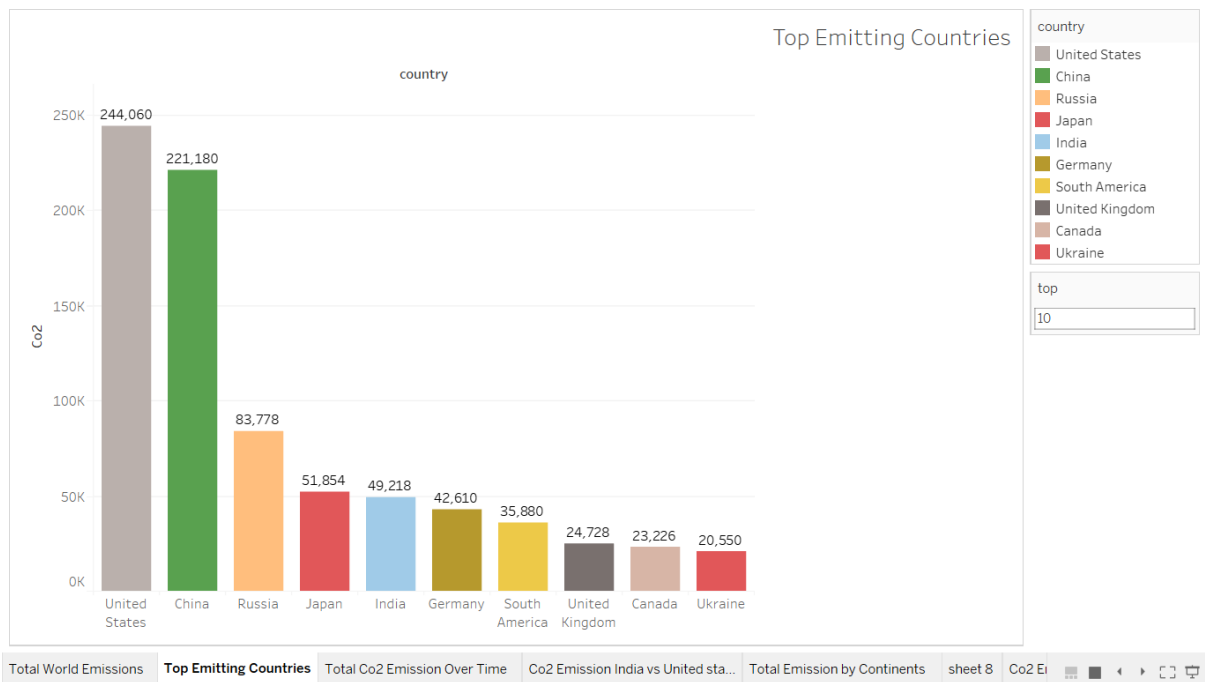


## ACTIVITY 3: NO. OF VISUALIZATIONS /GRAPHS

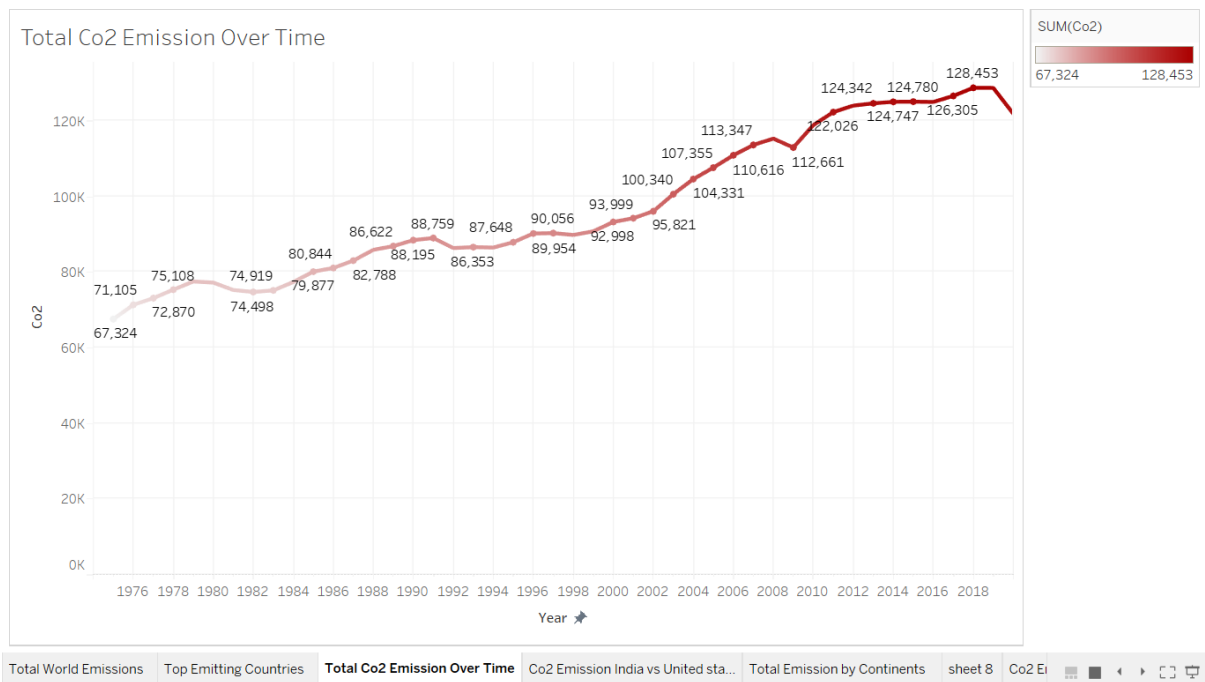
### TOTAL WORLD EMISSION



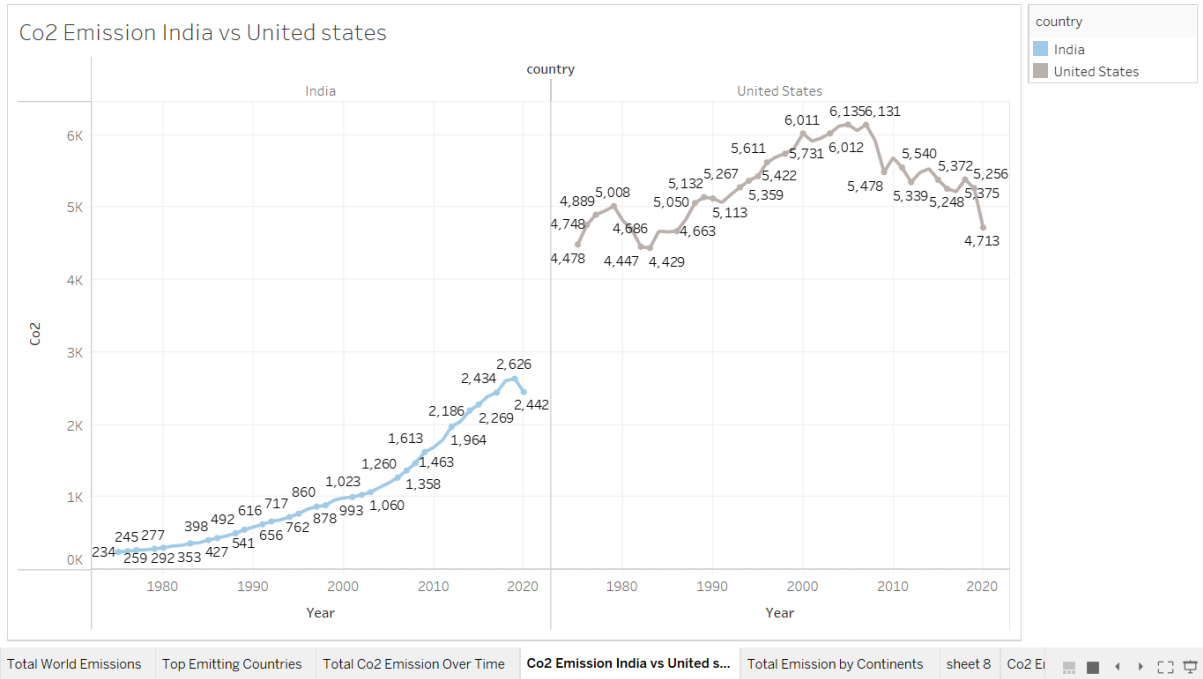
# TOP EMITTING COUNTRIES



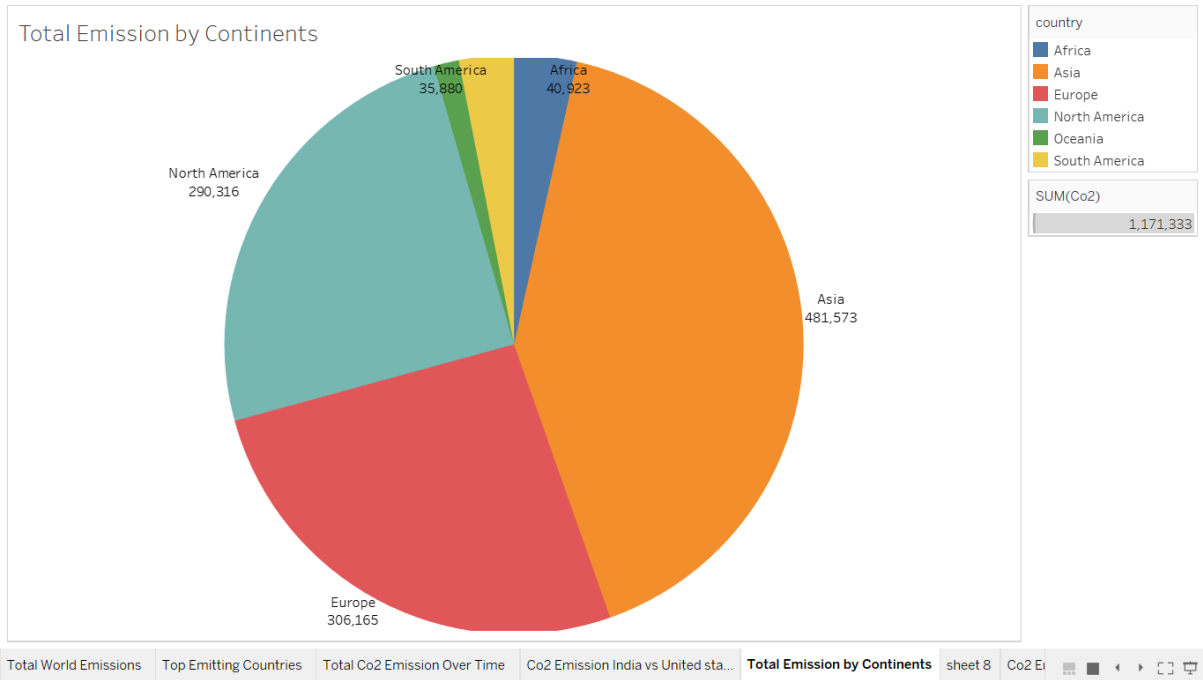
# TOTAL CO2 EMISSION OVER TIME



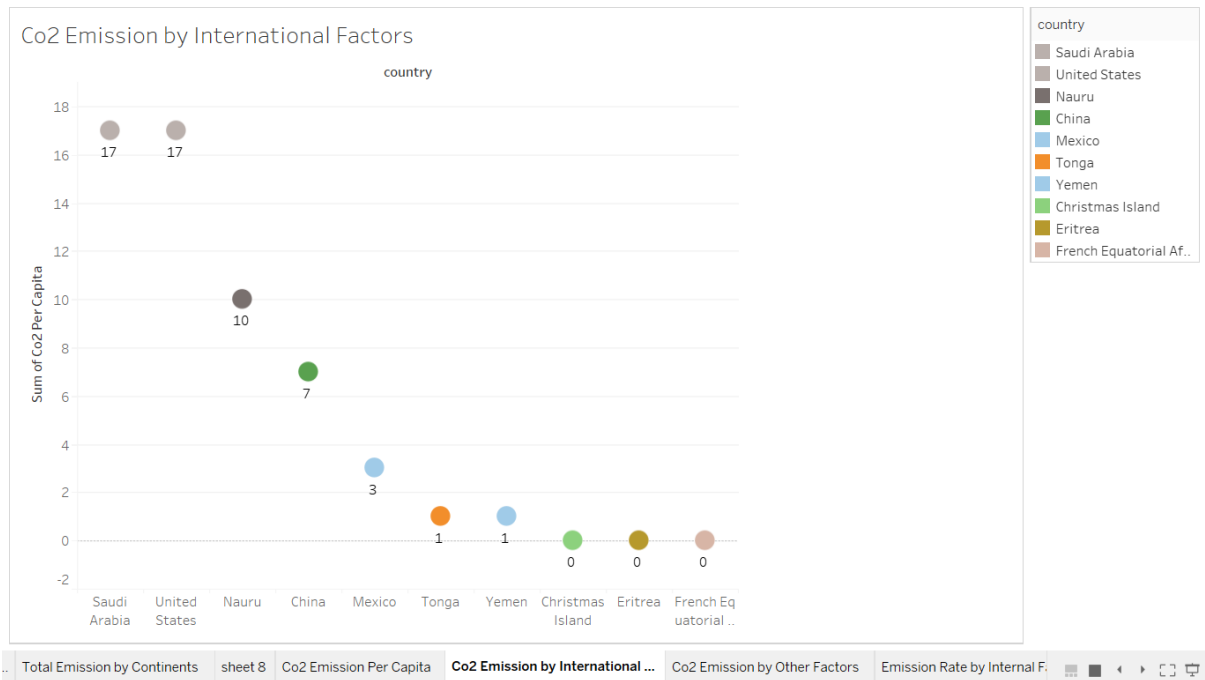
CO2 EMISSION INDIA VS UNITED STATES



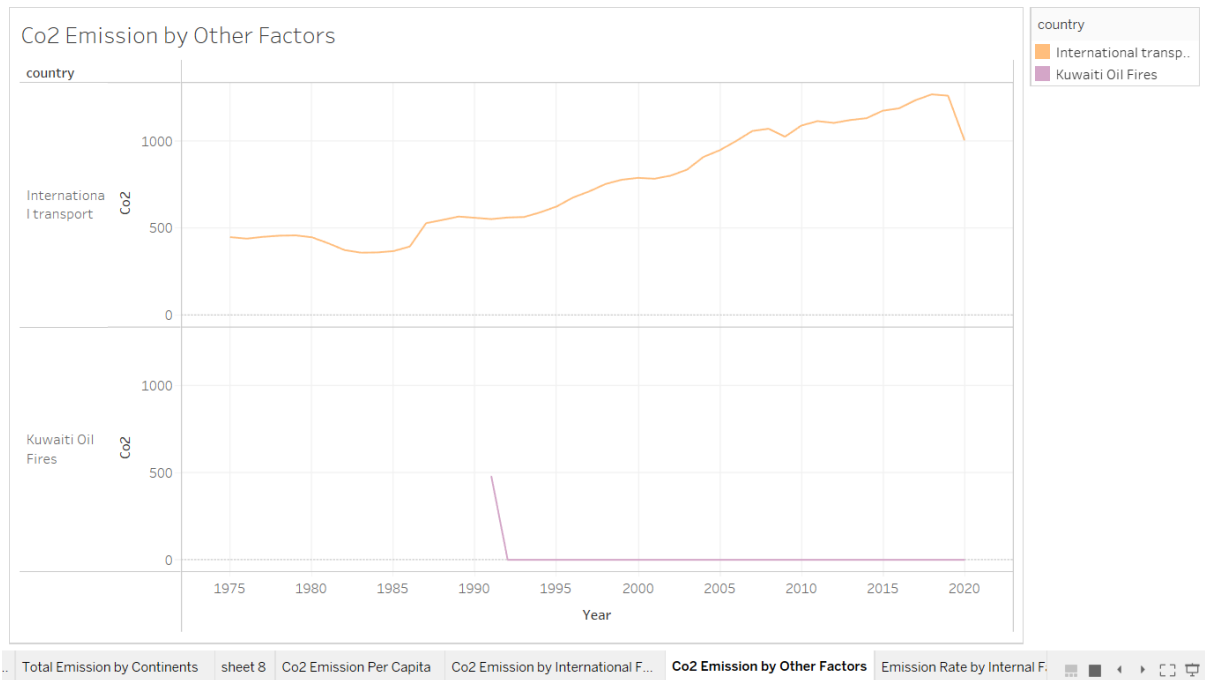
TOTAL EMISSION BY CONTINENTS



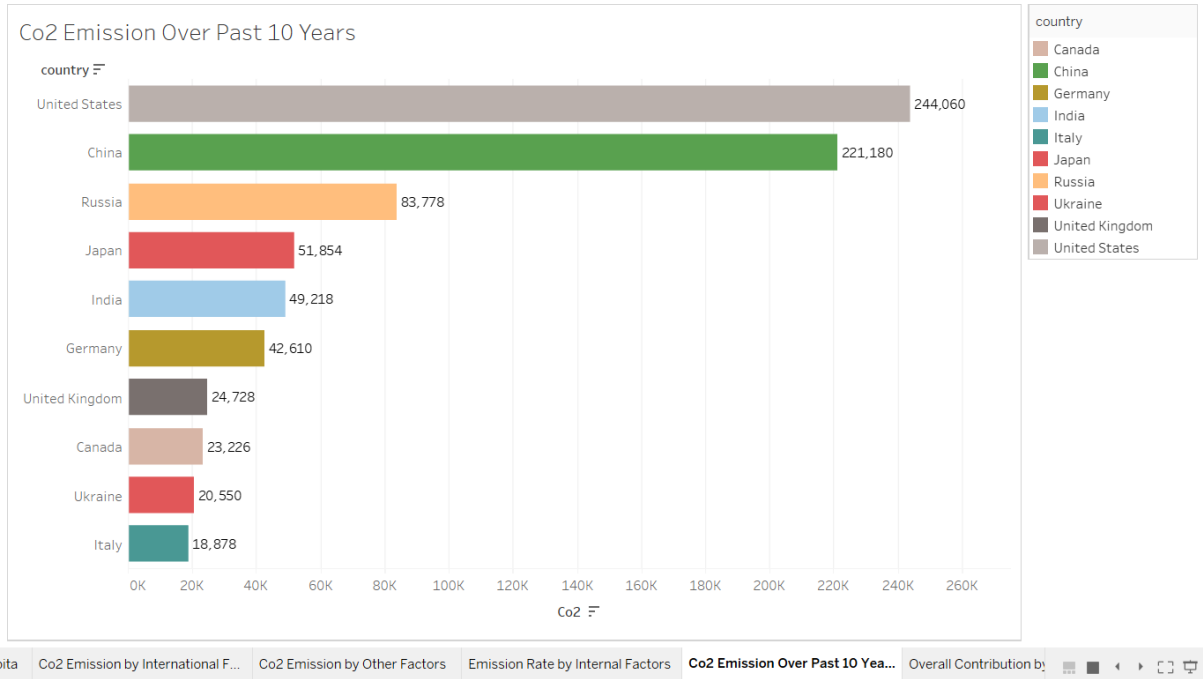
## CO2 EMISSION BY INTERNATIONAL FACTORS



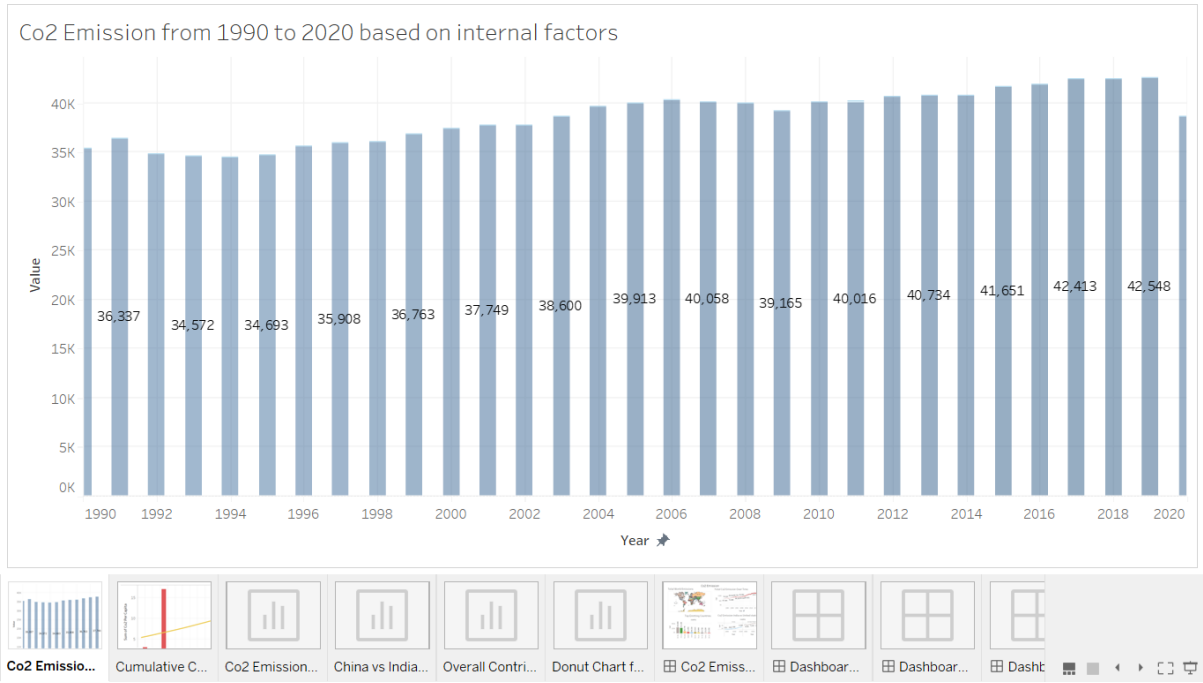
## CO2 EMISSION BY OTHER FACTORS



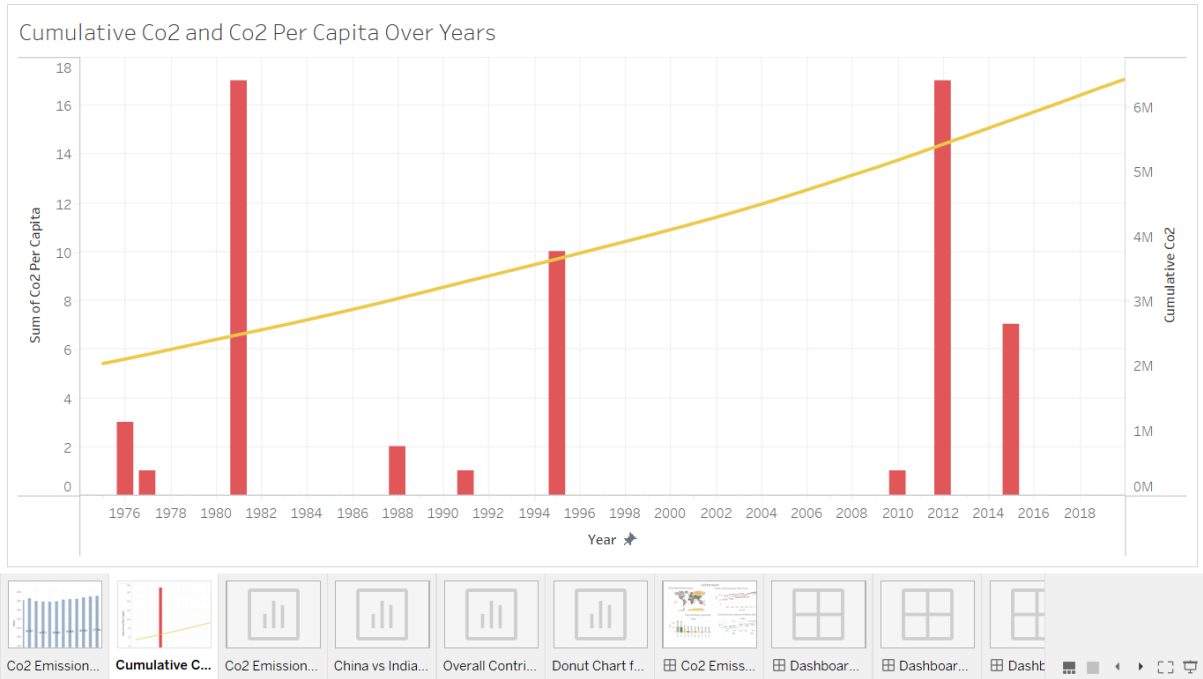
# CO2 EMISSION OVER PAST 10 YEARS



# CO2 EMISSION FROM 1990 TO 2020 BASED ON INTERNAL FACTORS

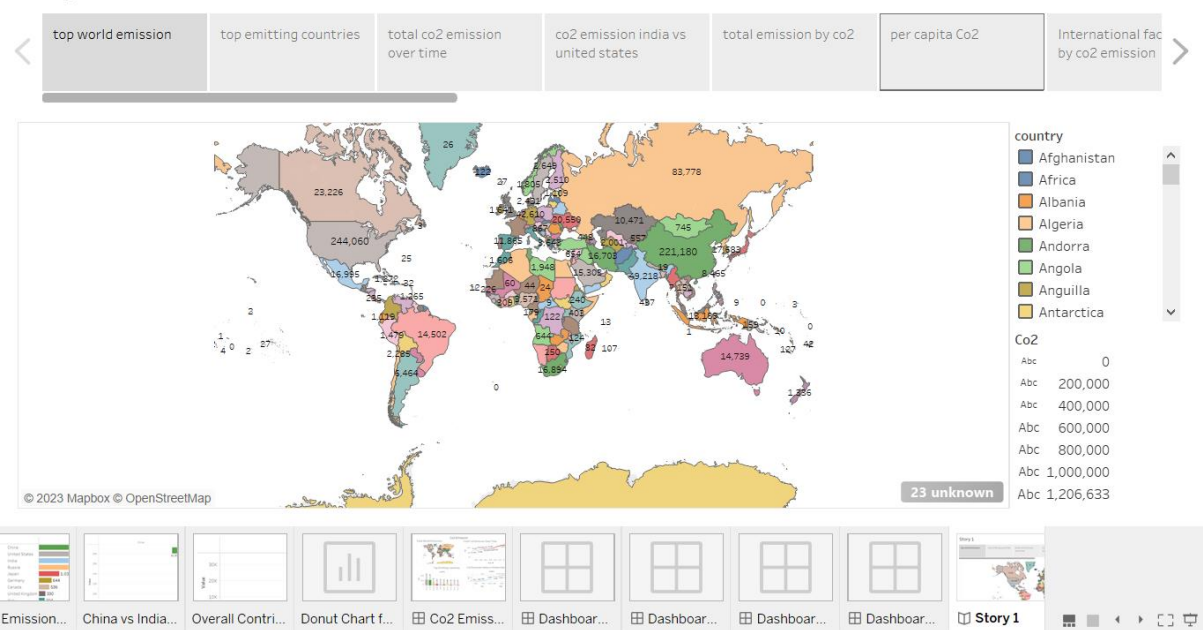


# CUMULATIVE CO2 AND CO2 PER CAPITA



# STORY SCREENSHOT

## Story 1



# WEBAPP SCREENSHOTS

