**Name :** Harsh Tankariya

**E-mail :** [tankariyaharsh7@gmail.com](mailto:tankariyaharsh7@gmail.com)

**Mobile no :** 7990748717

**Subject :** Project ( **COVID-19 Global Policy Impact Analysis**)

**All Table Names**

1. cases\_deaths
2. compact
3. country\_income\_classification
4. oxcgrt\_policy
5. tracking\_r
6. vaccinations\_global

**Common Columns**

* Almost all tables share the country and date columns, so those will be used to **link** them.
* compact table is a **static lookup** with just country and income\_group.

**Recommended Primary Keys**

| **Table** | **Primary Key (PK)** |
| --- | --- |
| compact | country |
| cases\_deaths | (country, date) |
| country\_income\_classification | (country, date) |
| oxcgrt\_policy | (country, date) |
| tracking\_r | (country, date) |
| vaccinations\_global | (country, date) |

**Foreign Key Relationships**

| **From Table** | **Foreign Key** | **References Table** |
| --- | --- | --- |
| cases\_deaths | country | compact(country) |
| country\_income\_classification | country | compact(country) |
| oxcgrt\_policy | country | compact(country) |
| tracking\_r | country | compact(country) |
| vaccinations\_global | country | compact(country) |

**SQL Schema for All Tables and Relationships**

-- Table 1: compact

CREATE TABLE compact (

country VARCHAR(100) PRIMARY KEY,

income\_group VARCHAR(50)

);

-- Table 2: cases\_deaths

CREATE TABLE cases\_deaths (

country VARCHAR(100),

date DATE,

total\_cases BIGINT,

new\_cases BIGINT,

new\_cases\_smoothed FLOAT,

total\_cases\_per\_million FLOAT,

new\_cases\_per\_million FLOAT,

new\_cases\_smoothed\_per\_million FLOAT,

total\_deaths BIGINT,

new\_deaths BIGINT,

new\_deaths\_smoothed FLOAT,

total\_deaths\_per\_million FLOAT,

new\_deaths\_per\_million FLOAT,

new\_deaths\_smoothed\_per\_million FLOAT,

PRIMARY KEY (country, date),

FOREIGN KEY (country) REFERENCES compact(country)

);

-- Table 3: country\_income\_classification

CREATE TABLE country\_income\_classification (

country VARCHAR(100),

date DATE,

c1m\_school\_closing INT,

c2m\_workplace\_closing INT,

c3m\_cancel\_public\_events INT,

c4m\_restrictions\_on\_gatherings INT,

c5m\_close\_public\_transport INT,

c6m\_stay\_at\_home\_requirements INT,

c7m\_restrictions\_on\_internal\_movement INT,

c8ev\_international\_travel\_controls INT,

e1\_income\_support INT,

e2\_debt\_contract\_relief INT,

e3\_fiscal\_measures FLOAT,

e4\_international\_support FLOAT,

h1\_public\_information\_campaigns INT,

h2\_testing\_policy INT,

h3\_contact\_tracing INT,

h4\_emergency\_investment\_in\_healthcare FLOAT,

h5\_investment\_in\_vaccines FLOAT,

h6m\_facial\_coverings INT,

h7\_vaccination\_policy INT,

v2a\_vaccine\_availability\_\_summary VARCHAR(255),

v2b\_vaccine\_age\_eligibility\_availability\_age\_floor\_\_general\_population\_summary VARCHAR(255),

v2c\_vaccine\_age\_eligibility\_availability\_age\_floor\_\_at\_risk\_summary VARCHAR(255),

stringency\_index FLOAT,

containment\_health\_index FLOAT,

v2\_vaccine\_availability\_\_summary VARCHAR(255),

v2\_pregnant\_people VARCHAR(255),

stringency\_index\_nonvax FLOAT,

stringency\_index\_vax FLOAT,

stringency\_index\_weighted\_average FLOAT,

PRIMARY KEY (country, date),

FOREIGN KEY (country) REFERENCES compact(country)

);

-- Table 4: oxcgrt\_policy

CREATE TABLE oxcgrt\_policy (

country VARCHAR(100),

date DATE,

r FLOAT,

ci\_95\_u FLOAT, ci\_95\_l FLOAT,

ci\_65\_u FLOAT, ci\_65\_l FLOAT,

days\_infectious INT,

PRIMARY KEY (country, date),

FOREIGN KEY (country) REFERENCES compact(country));

-- Table 5: tracking\_r

CREATE TABLE tracking\_r (

country VARCHAR(100),

date DATE,

total\_vaccinations BIGINT,

people\_vaccinated BIGINT,

people\_fully\_vaccinated BIGINT,

total\_boosters BIGINT,

daily\_vaccinations BIGINT,

daily\_vaccinations\_smoothed FLOAT,

daily\_people\_vaccinated\_smoothed FLOAT,

total\_vaccinations\_per\_hundred FLOAT,

people\_vaccinated\_per\_hundred FLOAT,

people\_fully\_vaccinated\_per\_hundred FLOAT,

total\_boosters\_per\_hundred FLOAT,

daily\_people\_vaccinated\_smoothed\_per\_hundred FLOAT,

daily\_vaccinations\_smoothed\_per\_million FLOAT,

people\_unvaccinated BIGINT,

share\_of\_boosters FLOAT,

total\_vaccinations\_interpolated BIGINT,

people\_vaccinated\_interpolated BIGINT,

people\_fully\_vaccinated\_interpolated BIGINT,

total\_boosters\_interpolated BIGINT,

total\_vaccinations\_no\_boosters\_interpolated BIGINT,

total\_vaccinations\_no\_boosters\_per\_hundred\_interpolated FLOAT,

rolling\_vaccinations\_6m BIGINT,

rolling\_vaccinations\_6m\_per\_hundred FLOAT,

rolling\_vaccinations\_9m BIGINT,

rolling\_vaccinations\_9m\_per\_hundred FLOAT,

rolling\_vaccinations\_12m BIGINT,

rolling\_vaccinations\_12m\_per\_hundred FLOAT,

PRIMARY KEY (country, date),

FOREIGN KEY (country) REFERENCES compact(country)

);

-- Table 6: vaccinations\_global

CREATE TABLE vaccinations\_global (

country VARCHAR(100), date DATE,

total\_cases BIGINT, new\_cases BIGINT,

new\_cases\_smoothed FLOAT,

total\_cases\_per\_million FLOAT,

new\_cases\_per\_million FLOAT,

new\_cases\_smoothed\_per\_million FLOAT,

total\_deaths BIGINT,

new\_deaths BIGINT,

new\_deaths\_smoothed FLOAT,

total\_deaths\_per\_million FLOAT,

new\_deaths\_per\_million FLOAT,

new\_deaths\_smoothed\_per\_million FLOAT,

PRIMARY KEY (country, date),

FOREIGN KEY (country) REFERENCES compact(country));