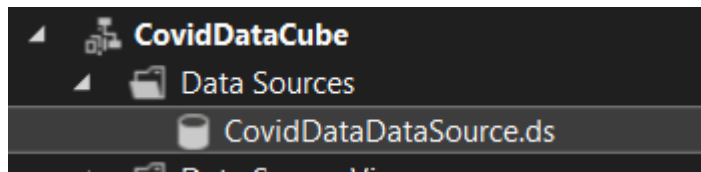


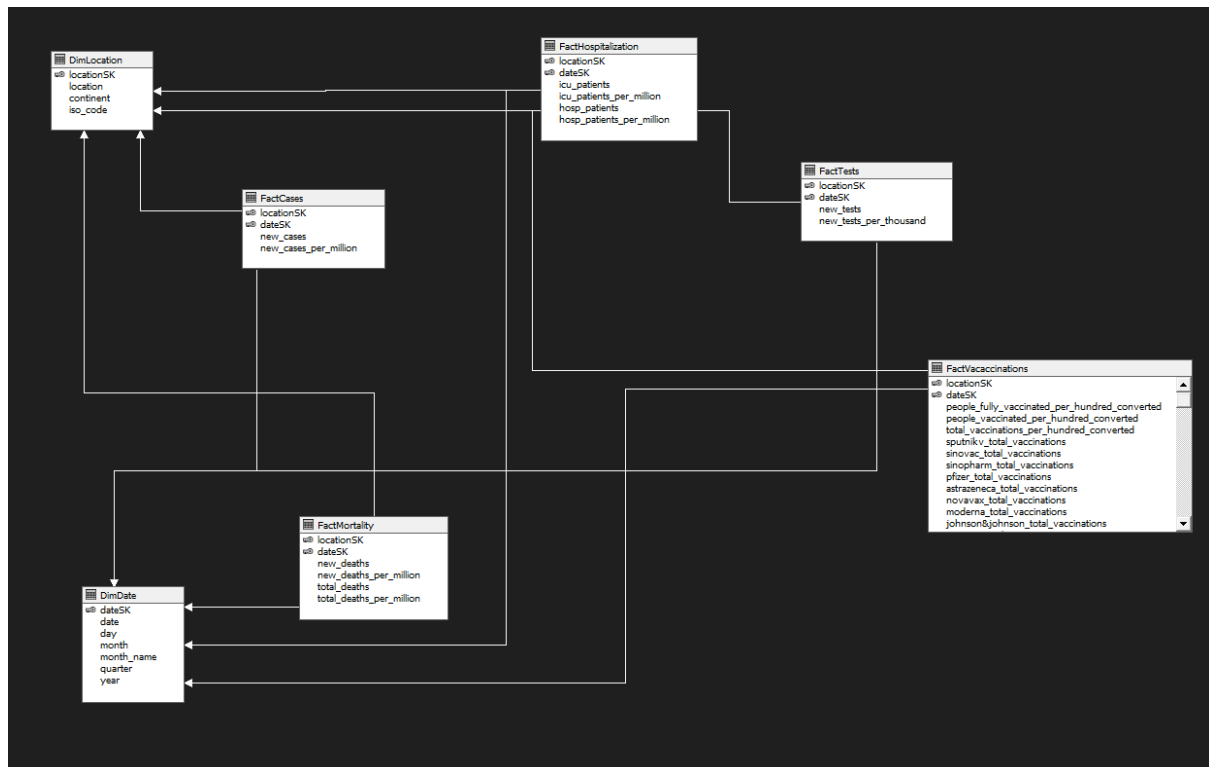
## Basic Steps:

### 1. Defining Data Source



### 2. Creating Data View

#### Data View:

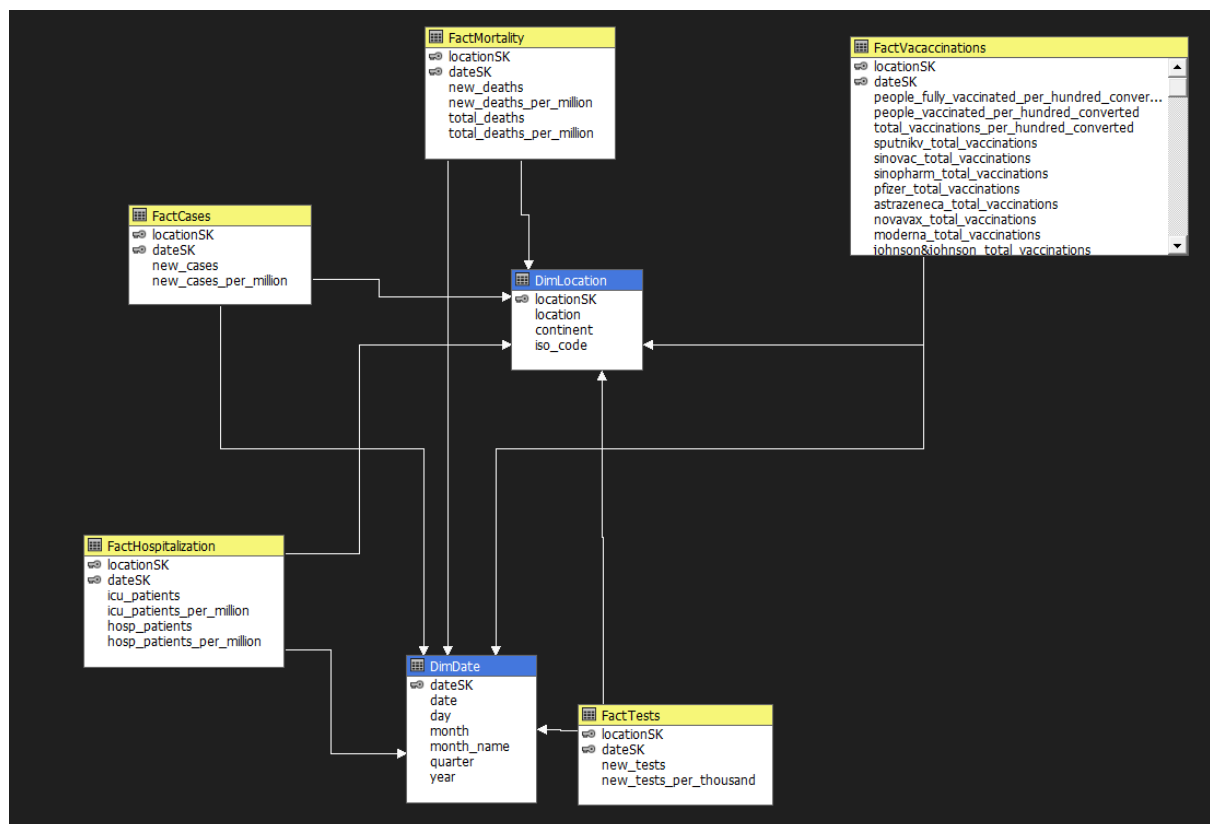


## Tables structure and relationships:

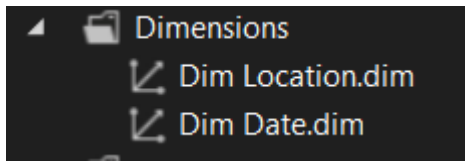
<b>Tables</b> <ul style="list-style-type: none"> <li>DimDate <ul style="list-style-type: none"> <li>dateSK</li> <li>date</li> <li>day</li> <li>month</li> <li>month_name</li> <li>quarter</li> <li>year</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>FactCases (using dateSK)</li> <li>FactHospitalization (using dateSK)</li> <li>FactMortality (using dateSK)</li> <li>FactTests (using dateSK)</li> <li>FactVacaccinations (using dateSK)</li> </ul> </li> <li>DimLocation <ul style="list-style-type: none"> <li>locationSK</li> <li>location</li> <li>continent</li> <li>iso_code</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>FactCases (using locationSK)</li> <li>FactHospitalization (using locationSK)</li> <li>FactMortality (using locationSK)</li> <li>FactTests (using locationSK)</li> <li>FactVacaccinations (using locationSK)</li> </ul> </li> <li>FactCases <ul style="list-style-type: none"> <li>locationSK</li> <li>dateSK</li> <li>new_cases</li> <li>new_cases_per_million</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>DimDate (using dateSK)</li> <li>DimLocation (using locationSK)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>FactHospitalization <ul style="list-style-type: none"> <li>locationSK</li> <li>dateSK</li> <li>icu_patients</li> <li>icu_patients_per_million</li> <li>hosp_patients</li> <li>hosp_patients_per_million</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>DimDate (using dateSK)</li> <li>DimLocation (using locationSK)</li> </ul> </li> <li>FactMortality <ul style="list-style-type: none"> <li>locationSK</li> <li>dateSK</li> <li>new_deaths</li> <li>new_deaths_per_million</li> <li>total_deaths</li> <li>total_deaths_per_million</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>DimDate (using dateSK)</li> <li>DimLocation (using locationSK)</li> </ul> </li> <li>FactTests <ul style="list-style-type: none"> <li>locationSK</li> <li>dateSK</li> <li>new_tests</li> <li>new_tests_per_thousand</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>DimDate (using dateSK)</li> <li>DimLocation (using locationSK)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>FactVacaccinations <ul style="list-style-type: none"> <li>locationSK</li> <li>dateSK</li> <li>people_fully_vaccinated_per_hundred_converted</li> <li>people_vaccinated_per_hundred_converted</li> <li>total_vaccinations_per_hundred_converted</li> <li>sputnikv_total_vaccinations</li> <li>sinovac_total_vaccinations</li> <li>sinopharm_total_vaccinations</li> <li>pfizer_total_vaccinations</li> <li>astrazeneca_total_vaccinations</li> <li>novavax_total_vaccinations</li> <li>moderna_total_vaccinations</li> <li>johnson&amp;johnson_total_vaccinations</li> <li>covaxin_total_vaccinations</li> <li>cansino_total_vaccinations</li> </ul> </li> <li>Relationships <ul style="list-style-type: none"> <li>DimDate (using dateSK)</li> <li>DimLocation (using locationSK)</li> </ul> </li> </ul>
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### 3. Creating a Cube (Dimensions and Measures):

#### Data Source View:

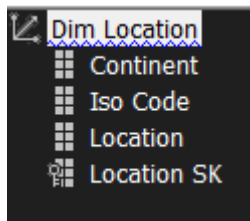


## Dimensions:

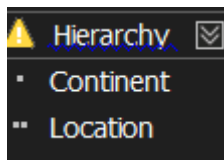


- **Dim Location:**

**Attributes:**

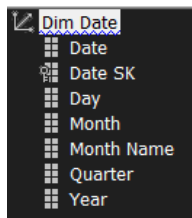


**Hierarchy:**

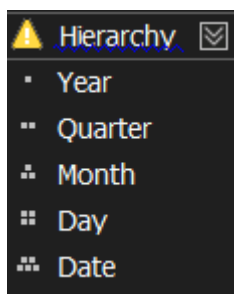


- **Dim Date:**





































**Attributes:**



**Hierarchy:**



## Measures:

Measures	
 CovidDataCube	
 Fact Tests	
 New Tests	
 New Tests Per Thousand	
 Fact Tests Count	
 Fact Cases	
 New Cases	
 New Cases Per Million	
 Fact Cases Count	
 Fact Vaccinations	
 People Fully Vaccinated Per Hundred Converted	
 People Vaccinated Per Hundred Converted	
 Total Vaccinations Per Hundred Converted	
 Sputnikv Total Vaccinations	
 Sinovac Total Vaccinations	
 Sinopharm Total Vaccinations	
 Pfizer Total Vaccinations	
 AstraZeneca Total Vaccinations	
 Novavax Total Vaccinations	
 Moderna Total Vaccinations	
 Johnsonjohnson Total Vaccinations	
 Covaxin Total Vaccinations	
 Cansino Total Vaccinations	
 Fact Vaccinations Count	
 Fact Mortality	
 New Deaths	
 New Deaths Per Million	
 Total Deaths	
 Total Deaths Per Million	
 Fact Mortality Count	
 Fact Hospitalization	
 Icu Patients	
 Icu Patients Per Million	
 Hosp Patients	
 Hosp Patients Per Million	
 Fact Hospitalization Count	

## 4. Processing the Cube