

## Queries

Submitted By  
Deepthi Suresh  
S3991481

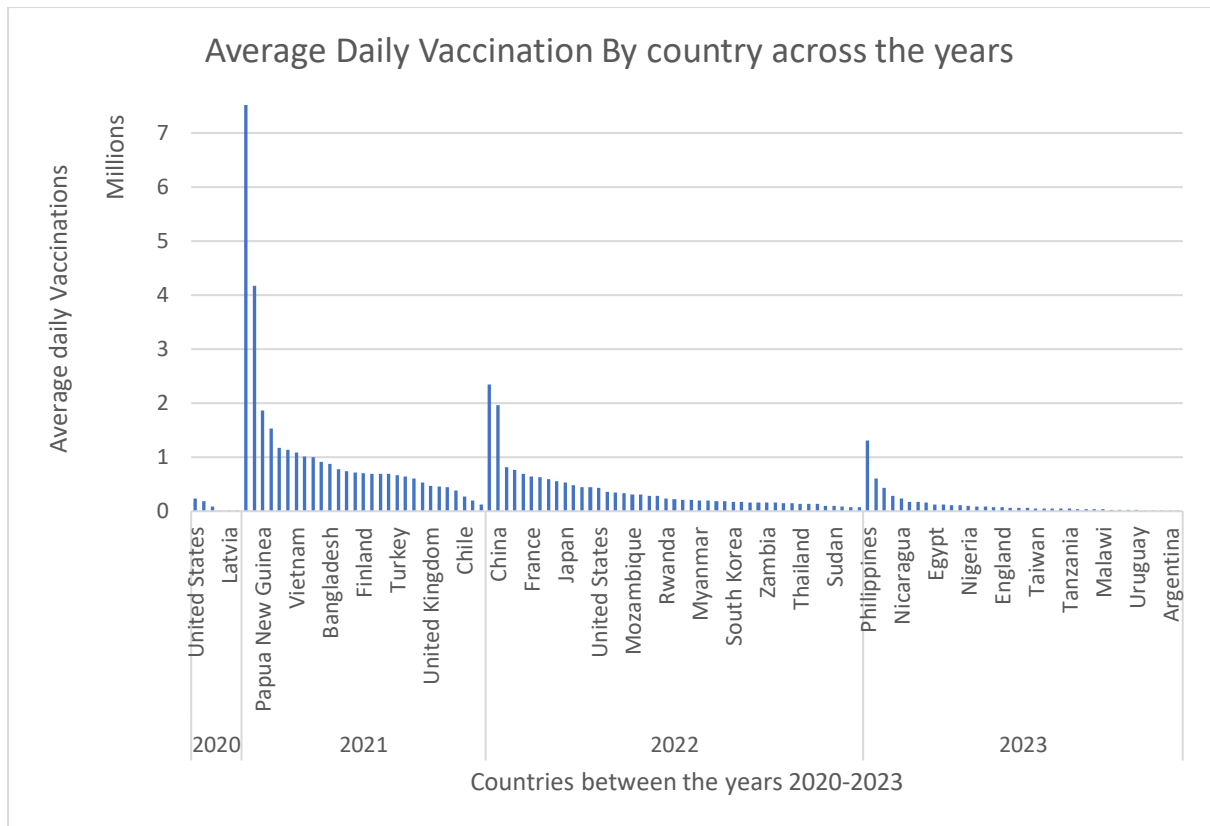
## Part D

### --Task D1

```
SELECT l.location AS "Country Name (CN)",total_vaccinations AS "Total Vaccinations
(administered to date)", daily_vaccinations AS "Daily Vaccinations",date AS Date
FROM vaccination v1
JOIN locations l
ON v1.iso_code = l.iso_code
JOIN
(SELECT avg(daily_vaccinations) as average,date
FROM vaccination
GROUP BY date)v2
ON v1.date = v2.date
WHERE v1.daily_vaccinations > average;
```

,

Total rows loaded: 18664					
	Country Name (CN)	Total Vaccinations (administered to date)	Daily Vaccinations	Date	
1	Afghanistan	7885045	190328	2022-07-19	
2	Afghanistan	7885045	188703	2022-07-20	
3	Afghanistan	7885045	187078	2022-07-21	
4	Afghanistan	8040605	162023	2022-08-04	
5	Afghanistan	8040605	162023	2022-08-05	
6	Afghanistan	8040605	162023	2022-08-06	
7	Afghanistan	9822860	162023	2022-08-07	
8	Afghanistan	9822860	163767	2022-08-08	
9	Afghanistan	9822860	165511	2022-08-09	
10	Afghanistan	9822860	167254	2022-08-10	



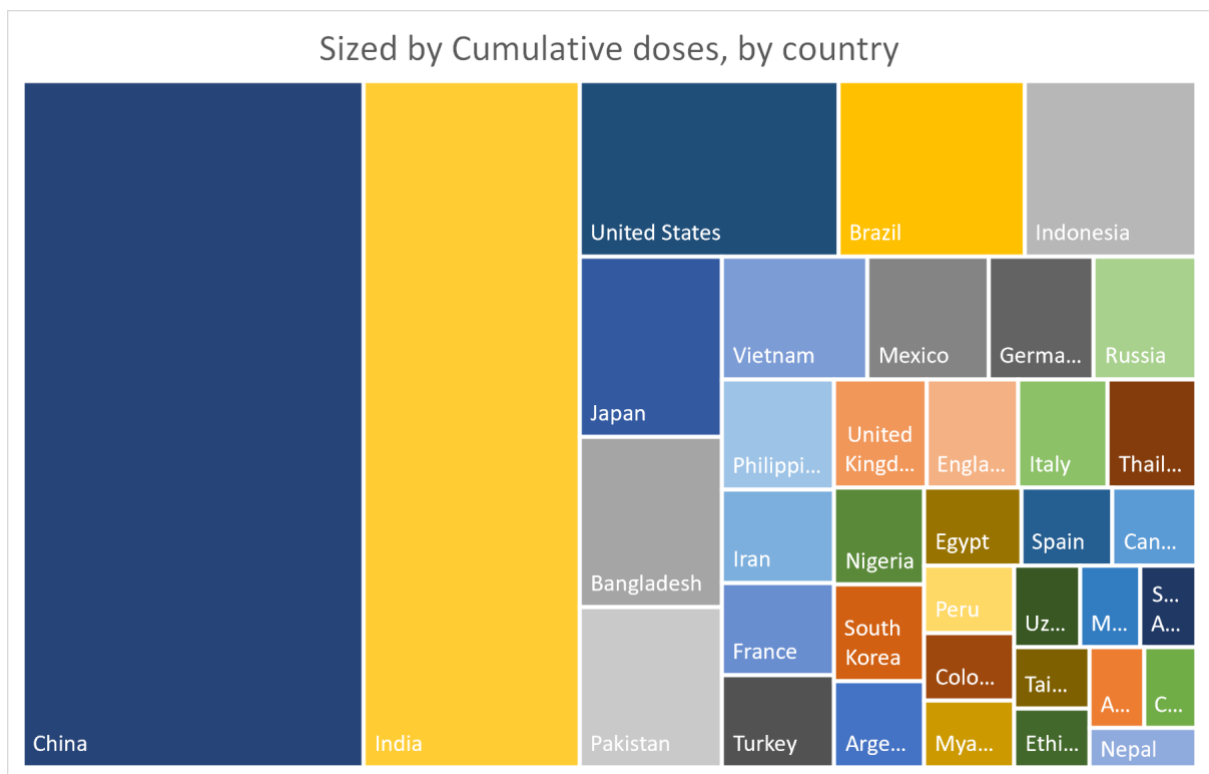
## --Task D2

```

SELECT location AS Country, sum(daily_vaccinations) AS "Cumulative Doses" FROM
vaccination
JOIN Locations
    ON Locations.iso_code=vaccination.iso_code
WHERE location IS NOT NULL
GROUP BY vaccination.iso_code
HAVING sum(daily_vaccinations) > (
    SELECT avg(sum_daily_vaccinations)
    FROM(
        SELECT sum(daily_vaccinations) AS sum_daily_vaccinations
        FROM vaccination
        JOIN Locations
            ON Locations.iso_code=vaccination.iso_code
        WHERE location IS NOT NULL
        GROUP BY Locations.iso_code));

```

Total rows loaded: 37		
	Country	Cumulative Doses
1	Argentina	116416948
2	Australia	65396878
3	Bangladesh	361686692
4	Brazil	486446621
5	Canada	96948200
6	Chile	62694374
7	China	3489858891
8	Colombia	90513332
9	Germany	192293551
10	Egypt	112630086



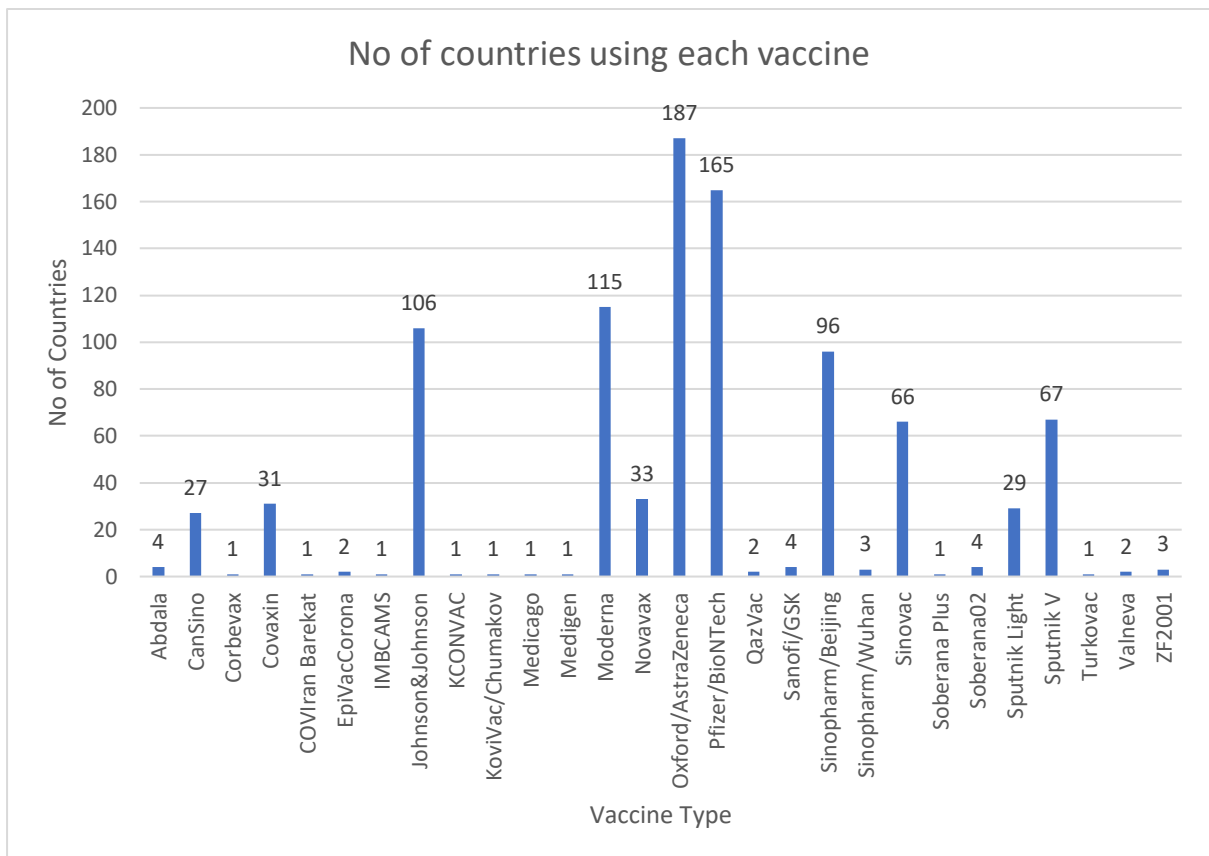
### --Task D3

```

SELECT location AS Country, vaccines AS "Vaccine Type"
FROM Vaccinebyloc v
JOIN locations l
  ON v.iso_code = l.iso_code;

```

Total rows loaded: 955		
	Country	Vaccine Type
1	Aruba	Pfizer/BioNTech
2	Afghanistan	CanSino
3	Afghanistan	Covaxin
4	Afghanistan	Johnson&Johnson
5	Afghanistan	Moderna
6	Afghanistan	Oxford/AstraZeneca
7	Afghanistan	Pfizer/BioNTech
8	Afghanistan	Sinopharm/Beijing
9	Afghanistan	Sinovac
10	Afghanistan	Sputnik Light



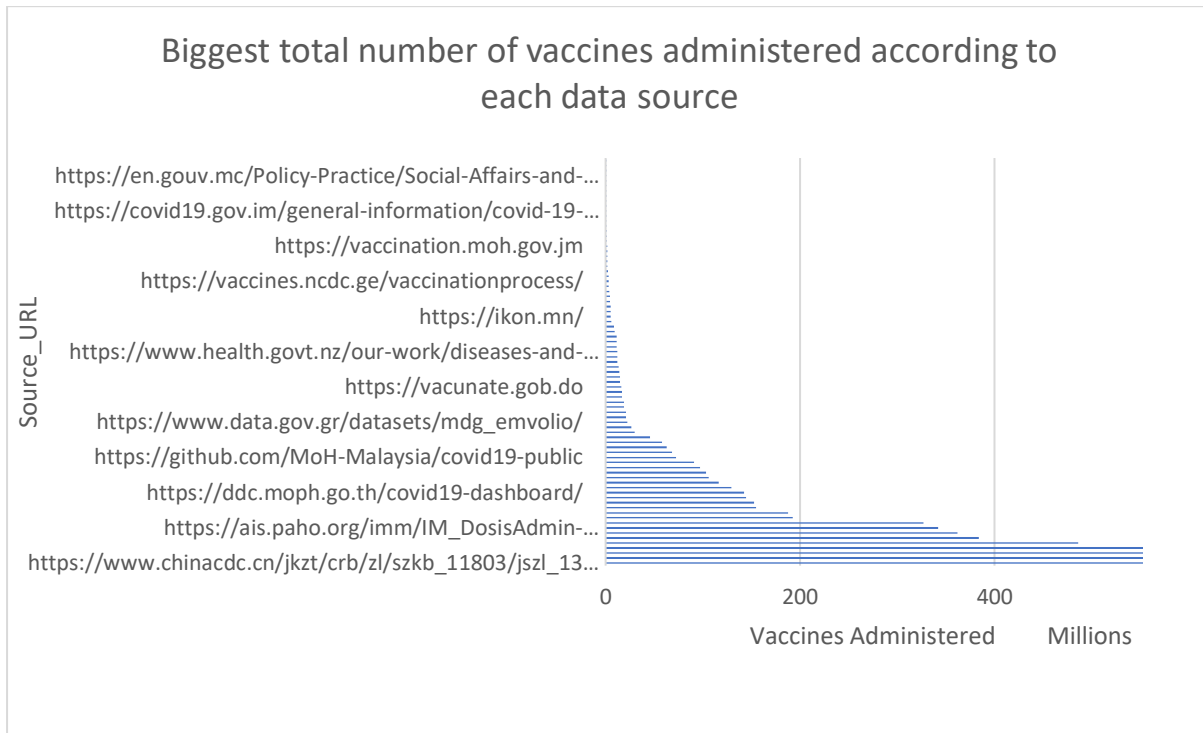
#### -- Task D4

```

SELECT location AS Country,source_website AS "Source Name
(URL)",max(total_vaccinations) AS "Biggest total Administered Vaccines"
FROM Vaccinebyloc v1
JOIN vaccination v1
    ON v1.iso_code = v1.iso_code
    JOIN locations l
        ON l.iso_code = v1.iso_code
GROUP BY v1.iso_code, source_website
ORDER BY source_website;

```

Total rows loaded: 223			
	Country	Source Name (URL)	Biggest total Administered Vaccines
1	Bangladesh	http://103.247.238.92/webportal/pages/covid19-vaccination-update.php	361674604
2	Anguilla	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	24604
3	Bahamas	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	366359
4	Belize	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	510717
5	Bermuda	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	132042
6	Curacao	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	260324
7	Dominica	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	67647
8	Ecuador	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	39564195
9	Grenada	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	90686
10	Guatemala	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	20362104
11	Guyana	https://ais.paho.org/imm/IM_DosisAdmin-Vacunacion.asp	960133



## --Task D5

SELECT

```

strftime('%Y', Date) || '-' ||
substr('0' || (strftime('%W', Date) + 1), -2) AS "Date Range (Weeks)",
SUM(CASE WHEN iso_code = 'AUS' THEN people_fully_vaccinated ELSE 0 END)
AS Australia,
SUM(CASE WHEN iso_code = 'DEU' THEN people_fully_vaccinated ELSE 0
END) AS Germany,
SUM(CASE WHEN iso_code = 'GBR' THEN people_fully_vaccinated ELSE 0
END) AS England,
SUM(CASE WHEN iso_code = 'FRA' THEN people_fully_vaccinated ELSE 0 END)
AS France

```

FROM Vaccination

WHERE Date >= '2021-01-01' AND Date <= '2022-12-31'

GROUP BY "Date Range (Weeks)"

ORDER BY "Date Range (Weeks)";

Total rows loaded: 106					
	Date Range (Weeks)	Australia	Germany	England	France
1	2021-01	0	20680098	0	20
2	2021-02	0	48253562	391399	476
3	2021-03	0	27595966	3071415	3175
4	2021-04	0	1112296	3257078	10626
5	2021-05	0	3223396	3367035	211938
6	2021-06	0	6193684	3538065	1374176
7	2021-07	0	9236790	3702700	3873898
8	2021-08	62384	11857987	4112415	7388688
9	2021-09	62434	14378426	5129406	10686836
10	2021-10	130	16957062	7093325	13258159
11	2021-11	214	19682948	9960320	15454301

Area chart showing the comparison in the speed of vaccine administration across countries

