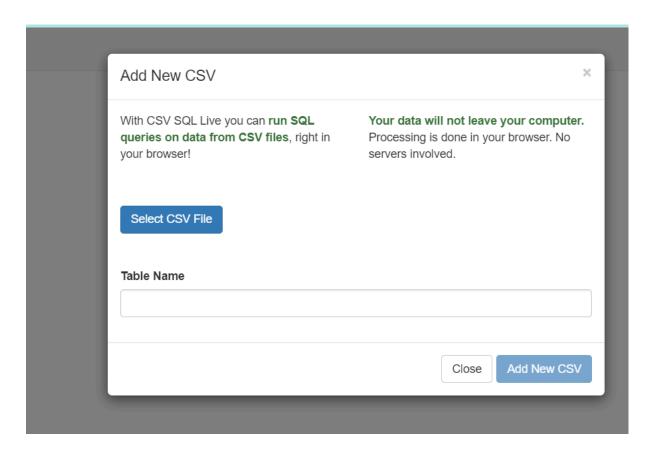
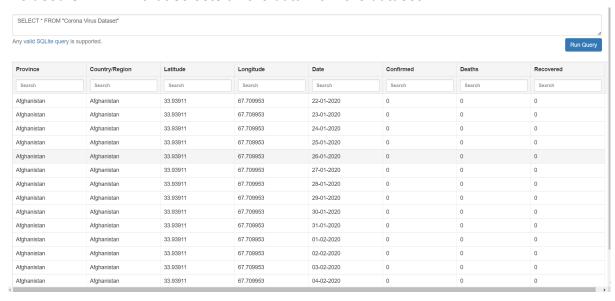
ADD CSV FILE FOR QUERIES:-



DATASET IS LOADED AND READY FOR THE QUERIES. We used SELECT * that selects all the data from the dataset.



Q1. Write a code to check NULL values?

CODE:-

SELECT * FROM "Corona Virus Dataset" WHERE "Corona Virus Dataset" IS NULL;

SELECT * FROM "Corona Virus Dataset" WHERE "Corona Virus Dataset" is NULL;

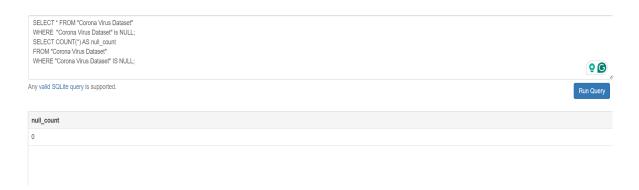
Any valid SQLite query is supported.

No rows returned.

******All the rows are Not NULL.*****

CODE:-

SELECT * FROM "Corona Virus Dataset" WHERE "Corona Virus Dataset" is NULL; SELECT COUNT(*) AS null_count FROM "Corona Virus Dataset" WHERE "Corona Virus Dataset" IS NULL;



Q2. If NULL values are present, update them with zeros for all columns?

SO as we can see from the above pic, it shows that there are no NULL spaces fro te

So, there is no Update needed in the columns.

Q3. check total number of rows?

QUERY:-SELECT COUNT(*) AS total_rows FROM "Corona Virus Dataset"



Q4. Check what is start_date and end_date?

QUERY:-

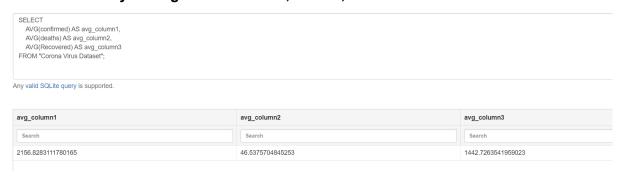
SELECT DISTINCT Date FROM "Corona Virus Dataset"; SELECT MIN(Date) AS earliest_start_date, MAX(Date) AS latest_end_date FROM "Corona Virus Dataset";



Q5. Number of month present in dataset?



Q6. Find monthly average for confirmed, deaths, recovered?



Q7. Find most frequent value for confirmed, deaths, recovered each month?

SELECT Date, COUNT(*) AS frequency FROM "Corona Virus Dataset" GROUP BY Date ORDER BY frequency DESC LIMIT 1;

Any valid SQLite query is supported.

Date A	frequency
Search	Search
01-01-2021	154

Q8. Find minimum values for confirmed, deaths, recovered per year?

SELECT
Date AS year,
MIN(confirmed) AS min_confirmed,
MIN(deaths) AS min_deaths,
MIN(recovered) AS min_recovered
FROM "Corona Virus Dataset"
GROUP BY Date;

Any valid SQLite query is supported.

year	min_confirmed	min_deaths	min_recovered
Search	Search	Search	Search
01-01-2021	0	0	0
01-02-2020	0	0	0
01-02-2021	0	0	0
01-03-2020	0	0	0
01-03-2021	0	0	0
01-04-2020	0	0	0
01-04-2021	0	0	0
01-05-2020	0	0	0
01-05-2021	0	0	0
01-06-2020	0	0	0
01-06-2021	0	0	0

Q9. Find maximum values of confirmed, deaths, recovered per year?

SELECT
Date AS year,
MAX(confirmed) AS max_confirmed,
MAX(deaths) AS max_deaths,
MAX(recovered) AS max_recovered
FROM "Corona Virus Dataset"
GROUP BY Date;

Any valid SQLite query is supported.

max_confirmed	max_deaths	max_recovered
Search	Search	Search
990	97	99
8	45	4
984	97	95
9	5	6
9891	91	957
96	923	99
984	94	9789
99	98	99
930	91	970
9	9	974
9575	95	983
	Search 990 8 984 9 9891 96 984 99 930	Search Search 990 97 8 45 984 97 9 5 9891 91 96 923 984 94 99 98 930 91 9 9

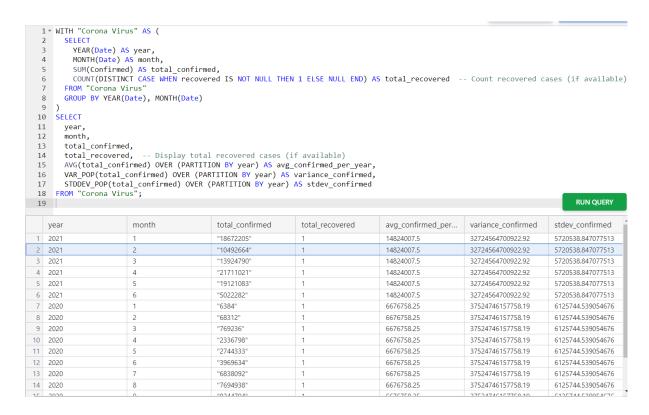
Q10. The total number of case of confirmed, deaths, recovered each month?

SELECT SUM(Confirmed) AS total_confirmed, SUM(Deaths) AS total_deaths,
SUM(Recovered) AS total_recovered
FROM "Corona Virus Dataset" GROUP BY Date ORDER BY Date;

Any valid SQLite query is supported.

total_confirmed	total_deaths	total_recovered
Search	Search	Search
508371	9416	258035
1529	45	35
434336	10301	252926
2361	53	2700
289970	7499	201498
80525	5937	15318
669784	11760	321647
83536	5127	35542
773832	12815	653659
88163	3342	51652
450268	14989	562762
204829	4992	107605

Q11. Check how corona virus spread out with respect to confirmed case?



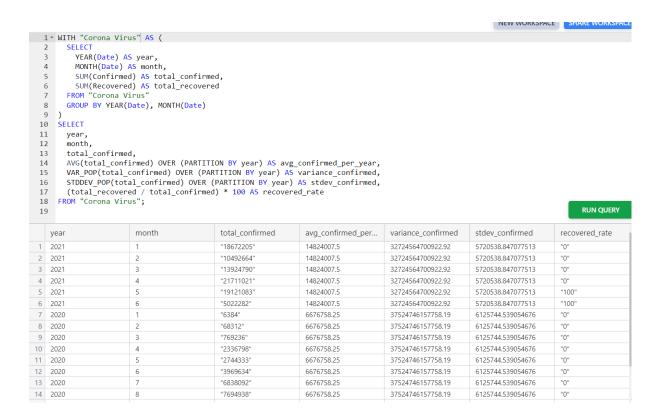
Q12. Check how corona virus spread out with respect to death case per month?

SELECT date, SUM(deaths) AS total_deaths
FROM "Corona Virus Dataset"
GROUP BY date
ORDER BY date;

Any valid SQLite query is supported.

Date	total_deaths
Search	Search
01-01-2021	9416
01-02-2020	45
01-02-2021	10301
01-03-2020	53
01-03-2021	7499
01-04-2020	5937
01-04-2021	11760
01-05-2020	5127
01-05-2021	12815
01-06-2020	3342
01-06-2021	14989
01-07-2020	4992

Q13. Check how corona virus spread out with respect to recovered case -- (Eg.: total confirmed cases, their average, variance & STDEV)



Q14. Find Country having highest number of the Confirmed case?

SELECT Province, SUM(Confirmed) AS TotalConfirmed
FROM "Corona Virus Dataset"
GROUP BY Province
ORDER BY TotalConfirmed DESC
LIMIT 1;

Any valid SQLite query is supported.

Province	TotalConfirmed
US	33461982

Q15. Find Country having lowest number of the death case?

Any valid SQLite query is supported.

Province		TotalDeaths
Dominica		0

Q16. Find top 5 countries having highest recovered case?

SELECT Province, SUM(Recovered) AS TotalRecovered FROM "Corona Virus Dataset" GROUP BY Province ORDER BY TotalRecovered DESC LIMIT 5;

Any valid SQLite query is supported.

Province	TotalRecovered
India	28089649
Brazil	15400169
US	6303715
Turkey	5202251
Russia	4745756

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