COVID 19 ANALYSIS WITH (SQL)

SELECT

  \*

FROM `newproject-377218.Covid\_19.covid\_19\_india`

SELECT

  State\_UnionTerritory,

  SUM(CAST(CASE WHEN REGEXP\_CONTAINS(ConfirmedIndianNational, r'^-?\d+$') THEN ConfirmedIndianNational ELSE NULL END AS INT64)) AS top\_10\_highest\_ConfirmedIndianNational

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  top\_10\_highest\_ConfirmedIndianNational DESC

LIMIT 10;

SELECT

  State\_UnionTerritory,

  SUM(CAST(CASE WHEN REGEXP\_CONTAINS(ConfirmedForeignNational, r'^-?\d+$') THEN ConfirmedForeignNational ELSE NULL END AS INT64)) AS top\_10\_highest\_ConfirmedForeignNational

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  top\_10\_highest\_ConfirmedForeignNational DESC

LIMIT 10;

SELECT

  State\_UnionTerritory,

  SUM(Cured) AS top\_10\_states\_cured

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  top\_10\_states\_cured DESC

LIMIT 10;

SELECT

  State\_UnionTerritory,

  SUM(Deaths) AS top\_10\_states\_Deaths

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  top\_10\_states\_Deaths DESC

LIMIT 10;

SELECT

  State\_UnionTerritory,

  SUM(Confirmed) AS top\_10\_states\_Confirmed

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  top\_10\_states\_Confirmed DESC

LIMIT 10;

SELECT

  State\_UnionTerritory,

  AVG(EXTRACT(HOUR FROM PARSE\_TIME('%l:%M %p', Time)) \* 60 + EXTRACT(MINUTE FROM PARSE\_TIME('%l:%M %p', Time))) AS average\_time\_of\_confirmed\_cases\_in\_India

FROM

  `newproject-377218.Covid\_19.covid\_19\_india`

GROUP BY

  State\_UnionTerritory

ORDER BY

  average\_time\_of\_confirmed\_cases\_in\_India;

SELECT

  State,

  SUM(TotalSamples) AS top\_10\_states\_with\_highest\_sample\_rates

FROM

  `newproject-377218.Covid\_19.StatewiseTestingDetails`

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_highest\_sample\_rates DESC

LIMIT 10;

SELECT

  State,

  SUM(Negative) AS top\_10\_states\_with\_most\_negative\_cases

FROM

  `newproject-377218.Covid\_19.StatewiseTestingDetails`

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_negative\_cases DESC

LIMIT 10;

SELECT

  State,

  SUM(Positive) AS top\_10\_states\_with\_most\_positive\_cases

FROM

  `newproject-377218.Covid\_19.StatewiseTestingDetails`

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_positive\_cases DESC

LIMIT 10;

SELECT

  State,

  SUM(Total\_Doses\_Administered) AS top\_10\_states\_with\_most\_doses\_administered

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_doses\_administered DESC

LIMIT 10;

SELECT

  State,

  SUM(First\_Dose\_Administered) AS top\_10\_states\_with\_most\_first\_doses\_administered,

  SUM(Second\_Dose\_Administered) AS top\_10\_states\_with\_most\_second\_doses\_administered

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_first\_doses\_administered DESC

LIMIT 10;

SELECT

  Updated\_On,

  SUM(First\_Dose\_Administered) AS most\_first\_doses\_administered\_updated\_on,

  SUM(Second\_Dose\_Administered) AS most\_second\_doses\_administered\_updated\_on

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  Updated\_On

ORDER BY

  most\_first\_doses\_administered\_updated\_on DESC

SELECT

  State,

  SUM(Male\_\_Doses\_Administered\_) AS states\_with\_most\_male\_doses\_administered,

  SUM(Female\_\_Doses\_Administered\_) AS states\_with\_most\_female\_doses\_administered,

  SUM(Transgender\_\_Doses\_Administered\_) AS states\_with\_most\_transgender\_doses\_administered

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  states\_with\_most\_male\_doses\_administered DESC

SELECT

  State,

  SUM(\_Covaxin\_\_Doses\_Administered\_) AS top\_10\_states\_with\_most\_covaxin\_doses\_administered,

  SUM(CoviShield\_\_Doses\_Administered\_) AS top\_10\_states\_with\_most\_covishield\_doses\_administered,

  SUM(Sputnik\_V\_\_Doses\_Administered\_) AS top\_10\_states\_with\_most\_sputnik\_doses\_administered

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_covaxin\_doses\_administered DESC

LIMIT 10;

SELECT

  State,

  SUM(Total\_Individuals\_Vaccinated) AS top\_10\_states\_with\_most\_individuals\_vaccinated

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  top\_10\_states\_with\_most\_individuals\_vaccinated DESC

LIMIT 10;

SELECT

  State,

  SUM(Sessions) AS states\_with\_most\_sessions,

  SUM(\_Sites\_) AS states\_with\_most\_sites

FROM

  `newproject-377218.Covid\_19.covid\_vaccine\_statewise`

WHERE

  State != 'India'

GROUP BY

  State

ORDER BY

  states\_with\_most\_sessions DESC