create table continentcode(

continent varchar(15),

continent\_code char(2),

primary key(continent)

);

create table countries(

country\_name varchar(60),

two\_letter\_country\_code char(2),

three\_letter\_country\_code char(3),

country\_number int,

primary key(country\_name),

);

create table country\_continent(

continent varchar(15),

country\_name varchar(60),

primary key (country\_name,continent),

foreign key(continent) REFERENCES continentcode

);

create table jurisdict(

country\_name varchar(60),

jurisdicton varchar(10),

primary key(country\_name)

);

create table oxcgrt\_data(

country\_name varchar(60),

date char(8),

C1M real,

C1M\_Flag real,

C2M real,

C2M\_Flag real,

C3M real,

C3M\_Flag real,

C4M real,

C4M\_Flag real,

C5M real,

C5M\_Flag real,

C6M real,

C6M\_Flag real,

C7M real,

C7M\_Flag real,

C8EV real,

E1 real,

E1\_Flag real,

E2 real,

E3 float8,

E4 real,

H1 real,

H1\_Flag real,

H2 real,

H3 real,

H4 real,

H5 real,

H6M real,

H6M\_Flag real,

H7 real,

H7\_Flag real,

H8M real,

H8M\_Flag real,

M1\_Wildcard real,

V1 real,

V2A real,

V2B varchar(20),

V2C varchar(20),

V2D real,

V2E real,

V2F real,

V2G real,

V3 real,

V4 real,

ConfirmedCases real,

ConfirmedDeaths real,

PopulationVaccinated float8,

primary key (country\_name,date)

);

create table containment(

C1M real,

C1M\_Flag real,

C2M real,

C2M\_Flag real,

C3M real,

C3M\_Flag real,

C4M real,

C4M\_Flag real,

C5M real,

C5M\_Flag real,

C6M real,

C6M\_Flag real,

C7M real,

C7M\_Flag real,

C8EV real,

H1 real,

H1\_Flag real,

H2 real,

H3 real,

H6M real,

H6M\_Flag real,

H7 real,

H7\_Flag real,

H8M real,

H8M\_Flag real,

ContainmentHealthIndex real

);

create table government(

C1M real,

C1M\_Flag real,

C2M real,

C2M\_Flag real,

C3M real,

C3M\_Flag real,

C4M real,

C4M\_Flag real,

C5M real,

C5M\_Flag real,

C6M real,

C6M\_Flag real,

C7M real,

C7M\_Flag real,

C8EV real,

E1 real,

E1\_Flag real,

E2 real,

H1 real,

H1\_Flag real,

H2 real,

H3 real,

H6M real,

H6M\_Flag real,

H7 real,

H7\_Flag real,

H8M real,

H8M\_Flag real,

GovernmentResponseIndex real

);

create table economic(

E1 real,

E1\_Flag real,

E2 real,

EconomicSupportIndex real

);

create table stringency(

C1M real,

C1M\_Flag real,

C2M real,

C2M\_Flag real,

C3M real,

C3M\_Flag real,

C4M real,

C4M\_Flag real,

C5M real,

C5M\_Flag real,

C6M real,

C6M\_Flag real,

C7M real,

C7M\_Flag real,

C8EV real,

H1 real,

H1\_Flag real,

StringencyIndex real

);

create table populaton\_majority(

majority\_vaccinated varchar(3),

population\_vaccinated float8,

primary key (population\_vaccinated)

);

(select maxindex.ct as continent,alld.date, alld.country\_name

from (select max(stringency.stringencyindex) as maxstr,country\_continent.continent as ct

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20200601')as ad natural join stringency natural join country\_continent

group by continent) as maxindex,

((select \* from oxcgrt\_data

where oxcgrt\_data.date='20200601')as ad natural join stringency natural join country\_continent)

as alld

where alld.stringencyindex=maxindex.maxstr and alld.continent=maxindex.ct

order by continent)

union

(select maxindex.ct as continent,alld.date, alld.country\_name

from (select max(stringency.stringencyindex) as maxstr,country\_continent.continent as ct

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20210601')as ad natural join stringency natural join country\_continent

group by continent) as maxindex,

((select \* from oxcgrt\_data

where oxcgrt\_data.date='20210601')as ad natural join stringency natural join country\_continent)

as alld

where alld.stringencyindex=maxindex.maxstr and alld.continent=maxindex.ct

order by continent)

union

(select maxindex.ct as continent,alld.date, alld.country\_name

from (select max(stringency.stringencyindex) as maxstr,country\_continent.continent as ct

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20220601')as ad natural join stringency natural join country\_continent

group by continent) as maxindex,

((select \* from oxcgrt\_data

where oxcgrt\_data.date='20220601')as ad natural join stringency natural join country\_continent)

as alld

where alld.stringencyindex=maxindex.maxstr and alld.continent=maxindex.ct

order by continent)

(select showT.country\_name,showT.continent,'20200601' as date

from (select coun\_conti\_moving.continent as con,min(coun\_conti\_moving.overindex) as minindex

from(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20200601' or oxcgrt\_data.date='20200531' or oxcgrt\_data.date='20200530' or oxcgrt\_data.date='20200529' or oxcgrt\_data.date='20200528' or oxcgrt\_data.date='20200527' or oxcgrt\_data.date='20200526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20200601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as coun\_conti\_moving

group by coun\_conti\_moving.continent) as referenceT,

(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20200601' or oxcgrt\_data.date='20200531' or oxcgrt\_data.date='20200530' or oxcgrt\_data.date='20200529' or oxcgrt\_data.date='20200528' or oxcgrt\_data.date='20200527' or oxcgrt\_data.date='20200526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20200601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as showT

where showT.continent=referenceT.con and showT.overindex = referenceT.minindex)

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(select showT.country\_name,showT.continent,'20210601' as date

from (select coun\_conti\_moving.continent as con,min(coun\_conti\_moving.overindex) as minindex

from(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20210601' or oxcgrt\_data.date='20210531' or oxcgrt\_data.date='20210530' or oxcgrt\_data.date='20210529' or oxcgrt\_data.date='20210528' or oxcgrt\_data.date='20210527' or oxcgrt\_data.date='20210526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20210601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as coun\_conti\_moving

group by coun\_conti\_moving.continent) as referenceT,

(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20210601' or oxcgrt\_data.date='20210531' or oxcgrt\_data.date='20210530' or oxcgrt\_data.date='20210529' or oxcgrt\_data.date='20210528' or oxcgrt\_data.date='20210527' or oxcgrt\_data.date='20210526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20210601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as showT

where showT.continent=referenceT.con and showT.overindex = referenceT.minindex)

union

(select showT.country\_name,showT.continent,'20220601' as date

from (select coun\_conti\_moving.continent as con,min(coun\_conti\_moving.overindex) as minindex

from(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20220601' or oxcgrt\_data.date='20220531' or oxcgrt\_data.date='20220530' or oxcgrt\_data.date='20220529' or oxcgrt\_data.date='20220528' or oxcgrt\_data.date='20220527' or oxcgrt\_data.date='20220526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20220601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as coun\_conti\_moving

group by coun\_conti\_moving.continent) as referenceT,

(select b.stringencyindex/tocon.totalconfirm as overindex,tocon.country\_name, country\_continent.continent

from(select sum(confirmedcases) as totalconfirm, country\_name

from oxcgrt\_data

where oxcgrt\_data.date='20220601' or oxcgrt\_data.date='20220531' or oxcgrt\_data.date='20220530' or oxcgrt\_data.date='20220529' or oxcgrt\_data.date='20220528' or oxcgrt\_data.date='20220527' or oxcgrt\_data.date='20220526'

group by country\_name) as tocon ,

(select stringencyindex,country\_name

from (select \*

from oxcgrt\_data

where oxcgrt\_data.date='20220601') as newt natural join stringency) as b,country\_continent

where tocon.country\_name = b.country\_name and country\_continent.country\_name=tocon.country\_name) as showT

where showT.continent=referenceT.con and showT.overindex = referenceT.minindex)

order by date