

```

select * from alcohol_expenditure_who
select * from alcoholic_beverage_tax_who
select * from annual_revenue_from_alcohol_who
select * from revenue_beer
select * from revenue_Ethyl_alcohol
select * from revenue_intermediate_products
select * from revenue_sparkling_wine
select * from revenue_still_wine
select * from road_traffic_accidents
select * from SDR_alcohol_related_causes

```

-A--Identify the top 5 countries which showed increase & decrease in revenue annually for all types of Alcoholic

--Beverages

--i. at an aggregated level

--ii. at individual level

--aggregated level

```

select * from annual_revenue_from_alcohol_who

```

--increase in revenue

```

select *, (change_in_rev/years) as yearly_change_in_rev from (
select top 5 country, (last_reported_value_year-first_reported_value_year )

```

as years, (last\_reported\_value-first\_reported\_value) as change\_in\_rev from  
annual\_revenue\_from\_alcohol\_who

)a order by yearly\_change\_in\_rev desc

#### --decrease in revenue

select \*, (change\_in\_rev/years) as yearly\_change\_in\_rev from (

select country, (last\_reported\_value\_year-first\_reported\_value\_year ) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_rev

from annual\_revenue\_from\_alcohol\_who

where first\_reported\_value is not null and

LAST\_reported\_value is not null )b order by yearly\_change\_in\_rev

#### --individual level

#### --increase in rev for beer

select \*, (change\_in\_rev/years) as yearly\_change\_in\_rev from (

select top 5 country, (last\_reported\_value\_year-first\_reported\_value\_year ) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_rev

from revenue\_beer)a order by yearly\_change\_in\_rev desc

#### --decrease in rev for beer

select \*, (change\_in\_rev/years) as yearly\_change\_in\_rev from (

select country, (last\_reported\_value\_year-first\_reported\_value\_year ) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_rev from revenue\_beer

where first\_reported\_value is not null and

LAST\_reported\_value is not null )b order by yearly\_change\_in\_rev

--increase in rev \_\_ Ethyl\_alcohol

```
select *, (change_in_rev/years) as yearly_change_in_rev from (  
select top 5 country, (last_reported_value_year-first_reported_value_year ) as years,  
(last_reported_value-first_reported_value) as change_in_rev  
from revenue_Ethyl_alcohol order by change_in_rev desc)a order by yearly_change_in_rev desc
```

--decrease in rev \_\_ Ethyl\_alcohol

```
select *, (change_in_rev/years) as yearly_change_in_rev from (  
  
select country, (last_reported_value_year-first_reported_value_year ) as years,  
  
(last_reported_value-first_reported_value) as change_in_rev from revenue_Ethyl_alcohol  
  
where first_reported_value is not null and
```

LAST\_reported\_value is not null )b order by yearly\_change\_in\_rev

-- increase in rev--- intermediate\_products

```
select *, (change_in_rev/years) as yearly_change_in_rev from (  
select top 5 country, (last_reported_value_year-first_reported_value_year ) as years,  
(last_reported_value-first_reported_value) as change_in_rev  
from revenue_intermediate_products )a order by yearly_change_in_rev desc
```

--decrease in rev---revenue\_intermediate\_products

```
select *, (change_in_rev/years) as yearly_change_in_rev from (
```

```

select country, (last_reported_value_year-first_reported_value_year ) as years,

(last_reported_value-first_reported_value) as change_in_rev from
revenue_intermediate_products

where first_reported_value is not null and

LAST_reported_value is not null )b order by yearly_change_in_rev

```

#### --increase in rev for sparkling\_wine

```

select *, (change_in_rev/years) as yearly_change_in_rev from (
select top 5 country, (last_reported_value_year-first_reported_value_year ) as years,
(last_reported_value-first_reported_value) as change_in_rev
from revenue_sparkling_wine )a order by yearly_change_in_rev desc

```

#### --decrease in rev for sparkling\_wine

```

select *, (change_in_rev/years) as yearly_change_in_rev from (

select country, (last_reported_value_year-first_reported_value_year ) as years,

(last_reported_value-first_reported_value) as change_in_rev from revenue_sparkling_wine

where first_reported_value is not null and

LAST_reported_value is not null )b order by yearly_change_in_rev

```

#### --increase in rev for still\_wine

```

select *, (change_in_rev/years) as yearly_change_in_rev from (
select top 5 country, (last_reported_value_year-first_reported_value_year ) as years,
(last_reported_value-first_reported_value) as change_in_rev
from revenue_still_wine )a order by yearly_change_in_rev desc

```

--decrease in rev for still\_wine

select \*, (change\_in\_rev/years) as yearly\_change\_in\_rev from (

select country, (last\_reported\_value\_year-first\_reported\_value\_year ) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_rev from revenue\_still\_wine

where first\_reported\_value is not null and

LAST\_reported\_value is not null)b order by yearly\_change\_in\_rev

-----

---b. Analyze the expenditure of different countries on alcohol and see

--i. if it has any correlation with the alcohol related health causes

--ii. if it has any correlation with the road accidents

----CHANGE IN ALCOHOL EXP.

select country, years, change\_in\_expenditure from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-  
first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_expenditure

from alcohol\_expenditure\_who where first\_reported\_value is not null and LAST\_reported\_value is not  
null)a order by

change\_in\_expenditure desc

---Percent change in road traffic\_accidents

```

select country, years, (change_in_accidents/100000 *100) as change_in_percent_in_road_accidents
from (
select country, first_reported_value, last_reported_value, (last_reported_value_year-
first_reported_value_year) as years,
(last_reported_value-first_reported_value) as change_in_accidents
from road_traffic_accidents where first_reported_value is not null and LAST_reported_value is not
null)a order by
change_in_percent_in_road_accidents desc

```

#### --Percent change in alcohol\_related\_causes

```

select country, years, (change_in_SDR/100000 *100) as change_in_percent_in_SDR from (
select country, first_reported_value, last_reported_value, (last_reported_value_year-
first_reported_value_year) as years,
(last_reported_value-first_reported_value) as change_in_SDR
from SDR_alcohol_related_causes where first_reported_value is not null and LAST_reported_value is
not null)b order by change_in_percent_in_SDR desc

```

#### -----joining exp and accident table

```

with alcohol_exp as (
select country, years, change_in_expenditure from (
select country, first_reported_value, last_reported_value, (last_reported_value_year-
first_reported_value_year) as years,
(last_reported_value-first_reported_value) as change_in_expenditure
from alcohol_expenditure_who where first_reported_value is not null and LAST_reported_value is not
null)a ),

accident as(
select country, years, (change_in_accidents/100000 *100) as change_in_percent_in_road_accidents
from (
select country, first_reported_value, last_reported_value, (last_reported_value_year-
first_reported_value_year) as years,

```

(last\_reported\_value-first\_reported\_value) as change\_in\_accidents

from road\_traffic\_accidents where first\_reported\_value is not null and LAST\_reported\_value is not null)b )

select \* from alcohol\_exp inner join accident on alcohol\_exp.country=accident.country

-----joining exp and SDR table

with expenditure as(

select country, years, change\_in\_expenditure from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_expenditure

from alcohol\_expenditure\_who where first\_reported\_value is not null and LAST\_reported\_value is not null)a ),

SDR as(

select country, years, (change\_in\_SDR/100000 \*100) as change\_in\_percent\_in\_SDR from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_SDR

from SDR\_alcohol\_related\_causes where first\_reported\_value is not null and LAST\_reported\_value is not null)b)

select \* from expenditure inner join SDR on expenditure.Country=SDR.country

-----c. Analyze how the change in tax percentage through the years affected the expenditure, the number of alcohol related

-----health causes

-----and number of road traffic accidents amongst the countries.

-----joining tax table and expenditure table and accident table

with tax as(

select country, years, change\_in\_tax\_percent from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_tax\_percent

from alcoholic\_beverage\_tax\_who where first\_reported\_value is not null and LAST\_reported\_value is not null )a),

expenditure as(

select country, years, change\_in\_expenditure from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_expenditure

from alcohol\_expenditure\_who where first\_reported\_value is not null and LAST\_reported\_value is not null)b ),

accident as(

select country, years, change\_in\_accidents from (

select country, first\_reported\_value, last\_reported\_value, (last\_reported\_value\_year-first\_reported\_value\_year) as years,

(last\_reported\_value-first\_reported\_value) as change\_in\_accidents

from road\_traffic\_accidents where first\_reported\_value is not null and LAST\_reported\_value is not null)c )



```
select * from tax inner join expenditure on tax.country=expenditure.country inner join accident on expenditure.country=accident.country
```

#### -----joining tax and expenditure table and SDR table

with tax as(

```
select country, years, change_in_tax_percent from (
```

```
select country, first_reported_value, last_reported_value, (last_reported_value_year-  
first_reported_value_year) as years,
```

```
(last_reported_value-first_reported_value) as change_in_tax_percent
```

```
from alcoholic_beverage_tax_who where first_reported_value is not null and LAST_reported_value is  
not null )a),
```

expenditure as(

```
select country, years, change_in_expenditure from (
```

```
select country, first_reported_value, last_reported_value, (last_reported_value_year-  
first_reported_value_year) as years,
```

```
(last_reported_value-first_reported_value) as change_in_expenditure
```

```
from alcohol_expenditure_who where first_reported_value is not null and LAST_reported_value is not  
null)b ),
```

SDR as(

```
select country, years, change_in_SDR from (
```

```
select country, first_reported_value, last_reported_value, (last_reported_value_year-  
first_reported_value_year) as years,
```

```
(last_reported_value-first_reported_value) as change_in_SDR
```

```
from SDR_alcohol_related_causes where first_reported_value is not null and LAST_reported_value is  
not null)b)
```

```
select * from tax inner join expenditure on tax.country=expenditure.country inner join sdr on  
expenditure.country=sdr.country
```