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**Sentimental analysis**

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**About:**

In today’s world economy, people are leading a successful life in all parts of the world. But the real question arises, how many people are actually happy with the successful life they are leading?

This project mainly revolves around different categories that could influence a person’s success and happiness by analysing data of internet usage, world happiness report, world’s crime report, world’s literacy report, world’s gdp and not the least world’s alcohol consumption.

By analysing, scrapping, munging, normalising huge amounts of data, this databases provides a person a clear understanding of which country they could settle with respect to all satisfying permutations and combinations of categories mentioned above. - Ultimately, by refining the data, a person can now visualise data by looking at graphs that could affect a person’s opinion to expand business, or even to settle in!

This project is mainly a thoughtful experiment to have a predictive analysis with respect to all major categories that influence a person’s happiness.

**Data Sources:**

* Kaggle
* Data repositories

**Tables:**

* Country
* Happiness Report
* Crime Report
* Gdp Report
* Literacy Report
* Internet Report
* Alchappines

**SQL Statements-**

create table crime(

crime\_id INT primary key auto\_increment,

country\_code CHAR(5),

crime\_index DECIMAL(10,6),

unemployment DECIMAL(10,6),

foreign key (country\_code) references country(country\_code)

);

create table alchappiness(

alchappiness\_id INT primary key auto\_increment,

country\_code CHAR(5),

human\_development DECIMAL(10,6),

beer\_capita DECIMAL(10,6),

wine\_capita DECIMAl(10,6),

foreign key (country\_code) references country(country\_code)

);

create table gdp(

gdp\_id INT primary key auto\_increment,

country\_code CHAR(5),

year\_2020 BIGINT(50),

year\_2021 BIGINT(50),

foreign key (country\_code) references country(country\_code)

);

create table happiness(

happiness\_id INT primary key auto\_increment,

country\_code CHAR(5),

freedom DECIMAL(10,6),

happiness\_score DECIMAL(10,6),

foreign key (country\_code) references country(country\_code)

);

create table internet(

internet\_id INT primary key auto\_increment,

country\_code CHAR(5),

income\_person DECIMAL(20,10),

internet\_rate DECIMAL(20,10),

foreign key (country\_code) references country(country\_code)

);

create table literacy(

literacy\_id INT primary key auto\_increment,

country\_code CHAR(5),

data\_year INT,

literacy\_rate DECIMAL(10,6),

population BIGINT(55),

foreign key (country\_code) references country(country\_code)

);

create table country(

country\_code CHAR(5) primary key,

country\_name VARCHAR(25) );

**ER Diagram:**

Diagram

Description automatically generated

**Use cases-**

#1. How is the happiness index in the top 3 countries of Highest GDP?

SELECT

t1.happiness\_score, t2.country\_name, t3.year\_2021

FROM happiness t1

INNER JOIN

country t2 ON t1.country\_code = t2.country\_code

INNER JOIN

gdp t3 ON t3.country\_code = t1.country\_code

order by t3.year\_2021 desc

limit 3;

#3.Which is the country with top 3 internet usage?

SELECT t2.country\_name, t1.country\_code, t1.internet\_rate

FROM internet t1

INNER JOIN country t2 ON t2.country\_code = t1.country\_code

order by t1.internet\_rate desc

limit 3;

#.4 Average internet usage of all countries with 200 > gallons of beer capita

select avg(t2.internet\_rate) as "Average Internet Usage"

from alchappiness t1

join internet t2 on t1.country\_code=t2.country\_code

where t1.beer\_capita>200;

#Avrage crime rate of highest 3 gdp countries ranking and 3

(select avg(crime\_index) from

(select cr.crime\_index

from country c

join gdp g on c.country\_code=g.country\_code

join crime cr on cr.country\_code=c.country\_code

order by year\_2020 desc

limit 3 ) as t1)

union all

(select avg(crime\_index) from

(select cr.crime\_index

from country c

join gdp g on c.country\_code=g.country\_code

join crime cr on cr.country\_code=c.country\_code

order by year\_2020 asc

limit 3) as t2);

#which countries have the highest crime rate and what is their happiness index?

SELECT

t1.happiness\_score, t2.country\_name, t3.crime\_index

FROM happiness t1

INNER JOIN

country t2 ON t1.country\_code = t2.country\_code

INNER JOIN

crime t3 ON t3.country\_code = t1.country\_code

order by t3.crime\_index desc

limit 3;

**Extra questions-**

6. Which is the happiest country with highest gdp

7. Which is the happiest country with least crime index

8. Which is the happiest country with most crime rate?

9. Which is the least happiest country with highest beer capita?