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:

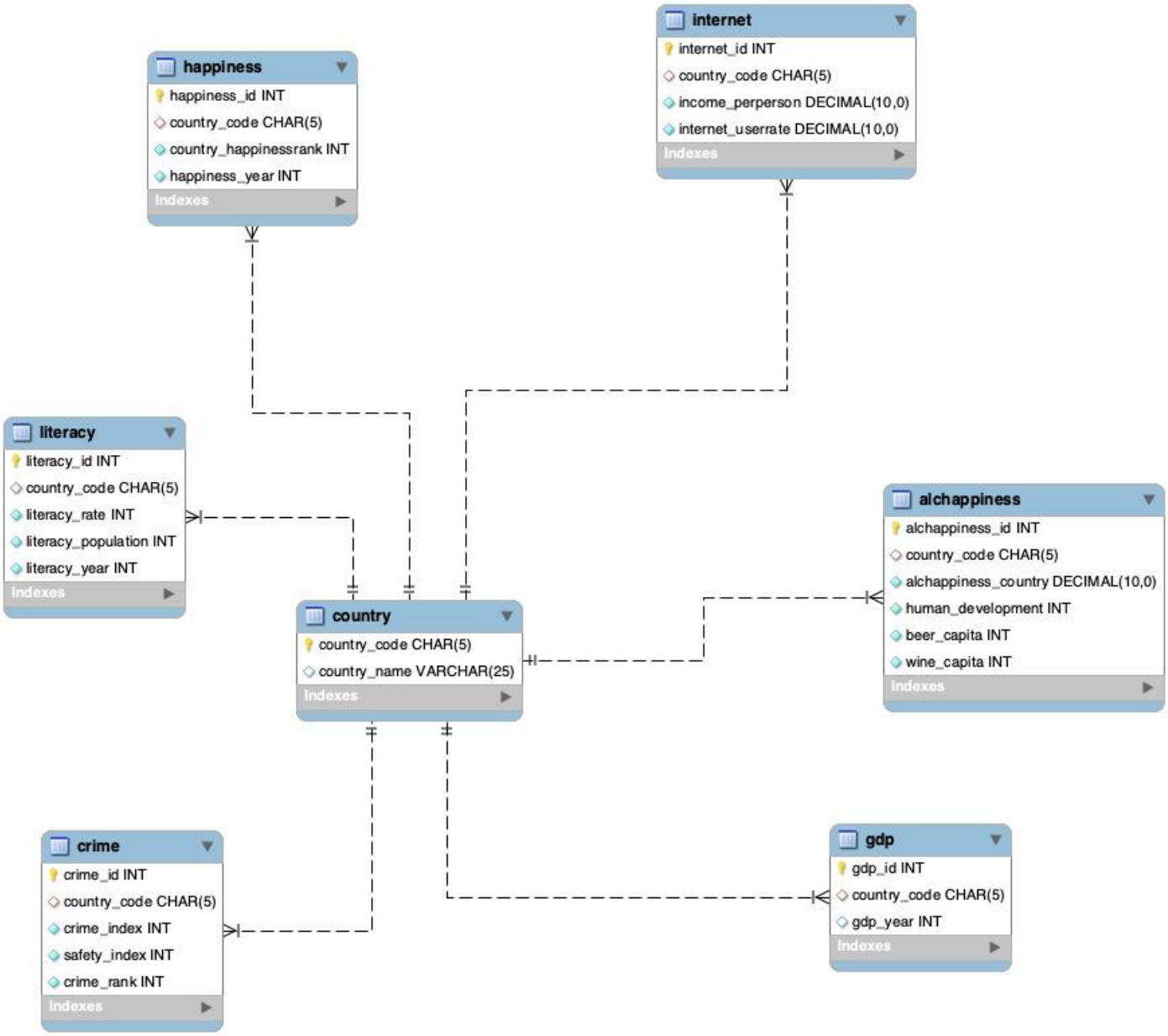
- Country
- Happiness Report
- Crime Report
- Gdp Report
- Literacy Report
- Internet Report
- Alchappines

SQL Statements:

```
create table country(
country_code CHAR(5) primary key,
country_name VARCHAR(25)
);

Create table happiness(
happiness_id int auto_increment primary key,
country_code CHAR(5),
country_happinessrank INT not null,
happiness_year INT not null,
foreign key(country_code) references country(country_code)
);

drop table literacy;
create table literacy(
literacy_id int auto_increment primary key,
country_code CHAR(5),
literacy_rate VARCHAR(10),
literacy_population VARCHAR(20),
literacy_year VARCHAR(10),
foreign key(country_code) references country(country_code)
);

Create Table crime(
crime_id int primary key auto_increment,
country_code CHAR(5),
crime_index VARCHAR(10),
safety_index VARCHAR(10),
foreign key(country_code) references country(country_code)
);

Create Table gdp(
```

```
gdp_id int primary key,
country_code CHAR(5),
gdp_year INT unique,
foreign key(country_code) references country(country_code)
);

drop table internet;
Create Table internet(
internet_id INT auto_increment primary key,
country_code CHAR(5),
income_perperson  VARCHAR(20),
internet_userrate VARCHAR(20),
foreign key(country_code) references country(country_code)
);

drop table alchappiness;
Create Table alchappiness (
alchappiness_id INT primary key auto_increment,
country_code CHAR(5),
human_development VARCHAR(20),
beer_capita VARCHAR(20),
wine_capita VARCHAR(20),
foreign key(country_code) references country(country_code)
);
```

ER Diagram:


internet
internet_id INT
country_code CHAR(5)
income_perperson DECIMAL(10,0)
internet_userrate DECIMAL(10,0)
Indexes
happiness
happiness_id INT
country_code CHAR(5)
country_happinessrank INT
happiness_year INT
Indexes
literacy
literacy_id INT
country_code CHAR(5)
literacy_rate INT
literacy_population INT
literacy_year INT
Indexes
alchappiness
alchappiness_id INT
country_code CHAR(5)
alchappiness_country DECIMAL(10,0)
human_development INT
beer_capita INT
wine_capita INT
Indexes
country
country_code CHAR(5)
country_name VARCHAR(25)
Indexes
crime
crime_id INT
country_code CHAR(5)
crime_index INT
safety_index INT
crime_rank INT
Indexes
gdp
gdp_id INT
country_code CHAR(5)
gdp_year INT
Indexes

Use cases-

1. How many people are happy in the country with a well established gdp?

```
 SELECT
   t1.country_happinessrank, t2.country_name, t3.gdp_year
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;
```

2. How countries spending most internet hours contributing to a country's happiness?

```
SELECT
   t1.country_happinessrank, t2.internet_userrate
FROM
   happiness t1
      INNER JOIN
       country t2 ON t1.country_code = t2.country_code;
```

3. Which is the country with maximum internet usage?

```
SELECT
   t2.country_name, t1.internet_userrate
FROM
   Internet t1
```

```
        INNER JOIN
         country t2 ON t2.country_code = t1.country_code;
```

4. How is the happiness and beer capita relation in each country?

```
SELECT
   t1.country_happinessrank, t2.beer_capita
FROM
   happiness t1
       INNER JOIN
        alchappiness t2 ON t1.country_code = t2.country_code;
```

5. How is the happiness and wine capita relation in each country?

```
SELECT
   t1.country_happinessrank, t2.wine_capita
FROM
   happiness t1
       INNER JOIN
        alchappiness t2 ON t1.country_code = t2.country_code;
```

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?