

Big Query Mortality.

CENSUS BUREAU INTERNATIONAL

Table Details: mortality_life_expectancy

Correct Call: FROM

`bigquery-public-data.census_bureau_international.mortality_life_expectancy`

NOTE BIG QUERY NEW IS LOOKING FOR BACK TICKS

NOT SINGLE QUOTE MARKS. `not`

This project was done in SQL STD on Google's BIG Query

How many Rows are in the database?

SELECT COUNT(*)

FROM

[bigquery-public-data:census_bureau_international.mortality_life_expectancy]

15,0156

How many unique countries are there in this database?

SELECT COUNT(Distinct country_name)

FROM

[bigquery-public-data:census_bureau_international.mortality_life_expectancy]

228

Get the list of each country:

SELECT

country_name,

COUNT(*)

FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`

GROUP BY country_name

What is the smallest number in a column ?

SELECT Min (year)

FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`

1950

SELECT Max (year)

```
FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`  
2050
```

Let us look at infant mortality and only years that we have records for.

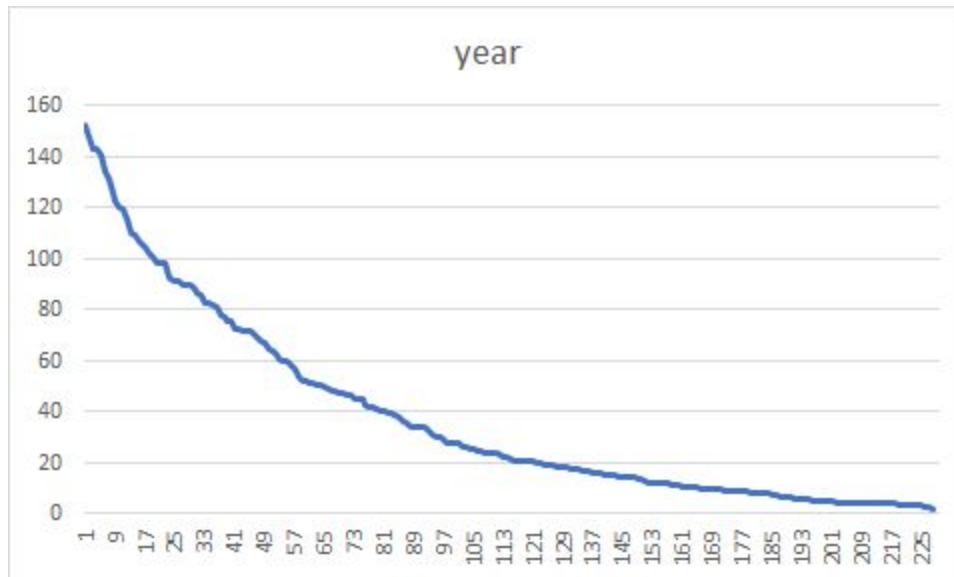
We will FILTER out forecasts.

```
SELECT AVG(infant_mortality)  
year,  
country_name  
FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`  
WHERE year BETWEEN 1950 AND 2017  
GROUP BY  
country_name
```

Frighteningly some countries have averaged a infant mortality rate FIFTY times those countries with the lowest

avg	country_name	avg	country_name
152.1823	Afghanistan	3.519259	Bermuda
147.88	Sierra Leone	3.514074	Norway
143.3661	Niger	3.50963	Hong Kong
143.3509	Cambodia	3.458214	Korea, South
140.9568	Guinea	3.456667	Iceland
134.1505	Mozambique	3.417778	Finland
131.526	Somalia	3.277857	Singapore
125.8554	Angola	3.093214	Japan
123.0573	Liberia	3.021852	Sweden
120.0969	Mali	2.156429	Monaco

And just to really jammer the point here is a chart:



But these averages are of data from 1950 to 2017.

Let zoom in on the countries with the highest infant mortality scores

See how they have been doing over time.

This code selects every row of Afghanistan:

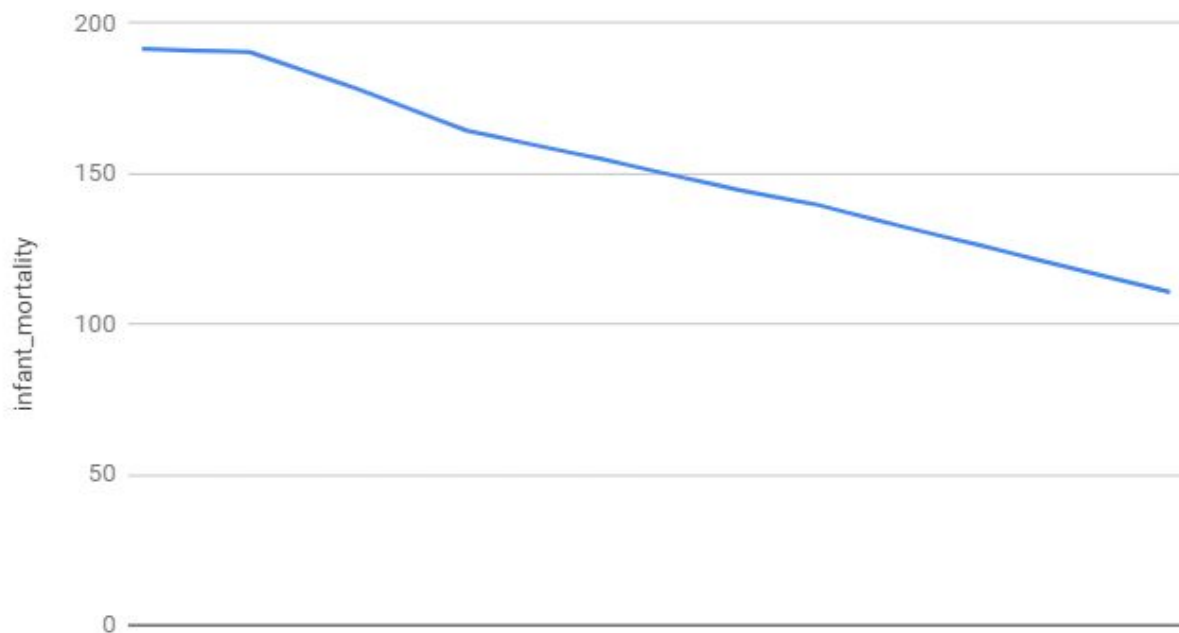
```
SELECT *
FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`
WHERE year BETWEEN 1950 AND 2017
      AND country_name = 'Afghanistan'
```

This chunk orders by year:

```
SELECT *
FROM `bigquery-public-data.census_bureau_international.mortality_life_expectancy`
WHERE year BETWEEN 1950 AND 2017
      AND country_name = 'Afghanistan'
ORDER BY year
```

So how has Afghanistan done:

infant_mortality



Definite decline but also starting from the worst point.