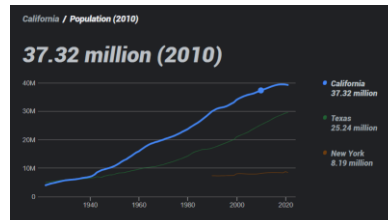# California Population Project!

Introduction:

- Before getting into this project, first of we have to know about some details of California.
- California was located in the west coast of America.
- There are totally 58 counties in California
- As per the given dataset from the csv file and online search, the total population of the California in 2010 is 37Millions approx.


```
+------------------------------------------+
| Total population of california in 2010   |
+------------------------------------------+
|                                 37333583 |
+------------------------------------------+
1 row in set (4.37 sec)
```

From the dataset.

From the google search.

Source of datasets:

- Datasets Source from The Californian Open data portal.
- Now, we are getting the datasets for the from Californian official website as CSV file!
- In that file we have these are columns
    1. County code
    2. County Name
    3. Year
    4. Race code
    5. Race name
    6. Gender
    7. Age
    8. Population
- We are going to do small visualisation from these.

Importing the datasets from csv to SQL

- So, we are going to download the respective excel.
- In MySQL,
    o We are creating a separate database called ca_population.
    o Then creating a table as pop_proj with those respective columns
    o And importing into the respective database.
- After that, I'm just creating some view tables.
    o For example

```
mysql> select * from race_pop;
+-----------+-------------------------------------------------------+----------+----------+----------+
| race_code | race                                                  | 2010     | 2022     | 2060     |
+-----------+-------------------------------------------------------+----------+----------+----------+
|         1 | White, Non-Hispanic                                   | 15031193 | 15430615 | 15792622 |
|         2 | Black, Non-Hispanic                                   |  2189978 |  2381333 |  2847709 |
|         3 | American Indian or Alaska Native, Non-Hispanic        |   164449 |   169984 |   167582 |
|         4 | Asian, Non-Hispanic                                   |  4830947 |  5320799 |  5757787 |
|         5 | Native Hawaiian or Pacific Islander, Non-Hispanic     |   132571 |   129389 |    99282 |
|         6 | Multiracial (two or more of above races), Non-Hispanic|   917619 |  1328771 |  3087017 |
|         7 | Hispanic (any race)                                   | 14066826 | 16641277 | 23304511 |
+-----------+-------------------------------------------------------+----------+----------+----------+
7 rows in set (20.48 sec)
```

The above example is the example of view table,

Visualizing the data in tableau :

- By connecting the respective database server to the tableau. We can easily able to visualize the data based on the needs.

Visualized data images:

- The below images are visualized from the data,

Total Population of California Projected for every 5 years!

Predicted Population of California in 2022, based on 2010 datasets.

Population Based on Race (2010,2022,2060)