

Assignment 02 - Select data on per-capita income

Due Feb 10

200 pts

Create a table that matches with the data in `clean-data.csv`.

Load the data in `clean-data.csv` using the `load-bea-data.sql` script.

Construct a select statement that will take the data and combine it with the county election data in the table `election_2020` (data provided - see the lecture 2 data).

Print out 2 columns of data. The columns should be "Winner" and "Average Per Capita 2020 Income".

Example Output:

```
$ psql
Pager usage is off.
psql (14.0, server 13.4)
Type "help" for help.

philip=# \i ans-per-capita-by-candidate.sql
      Winner      | Average Per Capita 2020 Income
-----+-----
Donald J Trump    |          42823.50
Joseph R Biden Jr |         118750.50
(2 rows)
```

Formatting: the income number is formatted using a type cast of `::numeric(10,2)`.

To do the query you will need a table that lists the per-county winners.

```
1: drop table if exists election_2020 ;
2: create table election_2020 (
3:   id          serial primary key,
4:   county_name text,
5:   state       text,
6:   winner      text -- either 'Joseph R Biden Jr' or 'Donald...'
7: );
```

Create and populate the table with using insert/update statements.

Turn in

1. Your insert update/statements for `election_2020`.

2. A select from `election_2020` that groups and counts the number of counties that each candidate won. (Hint: Biden won 293 counties) Turn in the output from this select statement.
3. Your select statement that shows the average per capita income by counties that a candidate won. The output from this select. (Hint: should match the example output above).