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#This data set comes from Bootstrap World. The project was created by
Marisa Laks with help from Alex Moore.

############################################################
# include Libraries we want
include shared-gdrive("Bootstrap-DataScience-v1.5.arr",
"1btFfKCcas4zkQ6-SYCYMkcDCqmduzQqB")
# include Google Sheets and Tables library
include gdrive-sheets
include tables
include image


############################################################
# Load your spreadsheet and define your table
election-2018-sheet = load-spreadsheet("1iPMuG-m-QEOnw55C5X9-
c6zY73sx2tpoZT93IJYussg")

election-table = load-table: state, population, percent-turnout,
percent-vote-dem, percent-vote-rep,
  total-seats, seats-dem, seats-rep, percent-seats-dem, percent-seats-
rep, winning-party,
  seats-match-vote
  source: election-2018-sheet.sheet-by-name("Sheet1", true)
end


############################################################
# Part 1: Look at the spreadsheet "Gerrymandering Dataset
(Bootstrap)." Choose three states and define the rows below.

#State #1:


#State #2:


#State #3:



############################################################
# Part 2: Define a table called "seats-sort" that sorts the table by
total seats starting with the most seats.




############################################################
# Part 3a: Write a function called "is-dem-win" that consumes a row
and produces a Boolean that returns true if the winning party is
Democratic.

# Write three examples using your rows defined above.
```

```
# Define the function.



# Part 3b: Define a table that only contains rows of states where the
Democrats were the winning party.



############################################################
# Part 4: Repeat the process from part 3 to create a function and
table where the winning party was Republican.




############################################################
# Part 5a: Given the function "do-seats-match-vote." Write a purpose
statement for what the function does. It is helpful to apply the
function to your defined rows first.


fun do-seats-match-vote(row):row["seats-match-vote"] == false end


# Purpose statement:


# Part 5b: Define a table called "seats-vote" that filters the table
by the function "do-seats-match-vote".



############################################################
# Part 6: Create at least three data displays for your defined tables.
Write the code for each in the definitions area. Explain what the
charts show.


#Chart 1:


#Explanation:


#Chart 2:
```

#Explanation:

#Chart 3:

#Explanation

##

Part 7: What can you conclude about Gerrymandering from the exploration in the previous parts?

##

Extension: Demonstrate anything else we've done in this class. For example, you can define other tables or show different displays. Explain what your code does.