Accessing Census Bureau Data—Exercises

1. **Community Facts**-- How was the 2010 population count for Honolulu County?

Census.gov > Data tab > Data Tools and Apps > American FactFinder
Select Geography> Type in County, place or zipcode
County= Honolulu County > 1st Choice is Population > Default is 2010 Census Count
Get Results

2. *Guided Search*--What percentage of people in occupied housing units in Honolulu, Hawaii and Maui counties, lived alone (1-person household) in the period 2011-2015*?*

AFF Guided Search (tab in blue bar)
(Default radio button) I'm looking for information about "**housing**" (second choice) > Next

(Note Arrow 2. Topics is activated)

Expand Occupancy Characteristic (click on "+") = Household Size

(Your Selections box currently shows 1,540 tables available based on your filter)

Click Next (or you may click Arrow 3. Geographies)

Open select a geographic type = County > Select a state = Hawaii

Select one or more = *Honolulu, Hawaii and Maui* (hold Ctrl key counties > Add to Your Selections

Make certain all three counties are in the Your Selections box > Next

Arrow 4. Race/Ethnic Groups > Skip This Step Arrow 5.

Search Results

Click hyperlink for S2501, Occupancy Characteristics (2015 ACS 5-year estimates)

Answers: *Hawaii Co., Hi*   _____   *1-person households*

                Honolulu Co., Hi   _____

                Maui Co., Hi   _____

Back to Search Results > (scroll to bottom of search results) click Advanced Search > Continue

3. Selected Population Profiles --Find the most recent information on (1) Native Hawaiian Alone, (2) Native Hawaiian Alone or in any Combination, for the County of Honolulu.

Census.gov > Data tab > Data Tools and Apps > The American FactFinder

(Wait for site to launch or click on URL)

Advanced Search tab

Right-side text box, begin typing: Honolulu

(You may highlight the appropriate line in the drop-down list) > GO

"Were you looking for" box, click on Honolulu County, Hawaii

It will now appear in the Your Selections box, upper left corner

Open Race and Ethnic Groups filter bar > Detailed Groups tab > Race and Hispanic Origin
Expand Basic/Detailed Groups > Basic Groups or if looking for Native Hawaiian alone then choose Detailed groups

Check boxes:

Basic Groups:
050 Native Hawaiian or other Pacific Islander alone
060 Native Hawaiian or other Pacific Islander alone or in any combination
Scroll to top of frame and click Add
Detailed Groups:
or
052 Native Hawaiian alone
062 Native Hawaiian alone or in any combination

Your two groups should now appear in the Your Selections box
Close Race and Ethnic Groups overlay (or window)

Check boxes:
S0201 Selected Population Profile (2016 ACS 1-year estimates)> Double Click to Add to "Your Selections"

In Search Refine Text Box Type in *Data Profiles>GO*
Check boxes:
DP02 Selected Social Characteristics (2015 ACS 5-year Selected Population Tables)
DP03 Selected Economic Characteristics (ditto)
DP04 Selected Housing Characteristics (ditto)

Click View and download tables

4.   **Using Address Search**-- for Census Tract, Data and Reference Map of Census *Tract*

Answer the following questions for your target location UH Jabsom Library, or a location of your choice using the most current dataset (2011-2015 ACS 5-Year Estimates):

   (a) What is the census tract number for 651 Ilalo St., Honolulu, HI
   (b) How do you create a reference map of this tract?
   (c) What mode of Transportation had the highest percentage of those that spoke English less than very well?

Census.gov > Data > Data Tools and Apps > American FactFinder (main page) (lower right of page) Address Search = street address (click)*

> *Alternate path: Advanced Search > Geographies filter > Address tab

Select geographies Address tab: enter *651 Ilalo St., Honolulu, HI*, 96813> GO

 Answer (a): Census Tract 38, Honolulu County, Hawaii
Answer (b): Click on hyperlink for Census Tract 38, then click Map tab

 Instructions (c):

Close reference map (Geographies window) and look down the list of available tables. Click hyperlink for (S0802) Means of Transportation to Work by Selected Characteristics

Answer _____ Public Transportation

 Click "Back to Advanced Search" (right side, above table, highlighted in grey)

5. Thematic Map--Make a table of the percent of people living below the poverty level for all CDP's in Honolulu County. Create a thematic map of the results. Change the number of data classes to 2 and define the cutoff percentage as 16.0%.

Advanced Search (from previous exercise), click Continue, then clear all selections from the

Your Selections box)

Geographies filter bar > (name tab) > select a geographic type = **city/town**

Select a state = Hawaii> Within County> Honolulu

(Select one or more.) **All Places within Honolulu**> Add to Your Selections Close Geographies window

Refine your search results text box (left side) <u>poverty</u> > GO

Click hyperlink for (S1701) <u>Poverty Status in the Past 12 Months</u> (**Dataset? . . .**)
Note that in order to retrieve all counties, you need to select the dataset common to all (including those with populations under 20,000) – the <u>2011-2015 ACS 5-year dataset</u>

Click Create a Map
In the first place listed (Ahuimanu CDP), find the column with the estimate of "Percent below the poverty level" and click on that value (10.5%) > Show Map > This action will pull in all counties

Click Colors and Data Classes
Change Number of classes (currently 5) to <u>2</u>

Change Classing method to <u>User Defined</u>

Row 1, column 2, enter <u>16.0</u>

Put cursor in row 2, column 1 > Enter (next value--16.1--autofills > GO

(See next page for illustration of results)
After viewing results, Back to Advanced Search and clear all selections

6.   *Narrative Profiles*--Create a current *Narrative* Profile for American Indian Area/Alaska Native Area/Hawaiian Home Land: Select Waianae Hawaiian Home Land

Instructions: Census.gov footer > People & Households column = American Community Survey

(left column) Data > Data Tables & Tools

(blue link mid-page center) generate a Narrative Profile

(WAIT until page loads and a map of the U.S. appears!)

Step 1: move radio button to Search Using Dropdown Menus
Step 2: American Indian Area/Alaska Native Area/Hawaiian Home Land
Step 3: Choose a state = Hawaii > Choose = Hawaiian Home Land > Waianae Hawaiian Home Land >Get Profile

7.   2016 population estimates-- Find most current tables for Honolulu, HI. (or another County)

AFF Advanced Search > Topics > Dataset > 2016 Population Estimates > Close Topics window

Refine Your Search Results text box (right side) <u>Honolulu county, Hawaii</u> > GO

Check in checkboxes for PEPANNRES, PEPTCOMP, PEPSYASEX > **View**

PEPANNRES gives you an annual estimate of population since the last census
Click for Result 2 of 2 with top right arrow

PEPTCOMP provides estimates of components of population change

PEPSYASEX gives you single year age data

8. **Comparison Profiles**-- Compare selected counties using 2016 1 Year Estimates Comparative Profiles.

   (Note the 2016 1 Year comparison profiles are already tested for statistical significance. An * indicates that the estimate is significantly different (at a 90% confidence level) than the estimate from the most current year. A "c" indicates the estimates for that year and the current year are both controlled; a statistical test is not appropriate). Review comparison profiles for what's trending

   In Advanced Search > Topics>Data Products> Comparison Profiles> Add

   In Search Results Select: Tables CP02, CP03, CP04

   Search Refine > Geography> Type in Honolulu County > Add to Your Selections.
   View and download tables.

9. ***American Community Survey (2005-2009 and 2010-2015) data sets**-- Pull up Tables of the percent of people living below the poverty level for selected counties in Hawaii comparing 2005-2009 ACS 5 Year Data with 2010-2014 ACS 5 Year Data. Then download or save the link or query.*

   Advanced Search (from previous exercise), click Continue, then clear all selections from the

   Your Selections box)

   Geographies filter bar > (List tab) > select a geographic type = County> Select a
   state = Hawaii

   (Select one or more . . ..) Select Counties of interest in Hawaii > Hawaii, Honolulu, Maui, Kauai > Add to Your Selections> Close Geographies window

   Refine your search results text box (left side) <u>Data Profiles</u> > GO

Click hyperlink for **DP03** *2010-2014 ACS 5 Year Data.*

Download into excel and then download the 2005-2009 data set.
Type in **2009** in Refine your search text box. You should see Data profiles for 2005-2009
Select **DP03**

Business Data--

7. Survey of Business Owners Data. Find the number of Establishment Businesses in NAICS Sector 42-Wholesale Trade for Hawaii, Honolulu, Maui Counties.

Census.gov > Data tab > Data Tools and Apps > The American FactFinder

(Wait for site to launch or click on URL)

Advanced Search tab

Open up Topics> Business and Industry> Business Owner > Select Owner's Race and Ethnicity> Close

Open up Geography Tab>County> Within State> Hawaii> Select Counties of interest> Hawaii, Honolulu and Maui> Click Add > Close Geography Filter

In Results> Select SB1200CSA04

Notes: