For the poverty\_2019.xlsx file, OPI stand for Other Pacific Islander.

For the education\_race.xlsx file, the various columns are all for those aged 25 years old and older.

For the major\_over25.xlsx file, the various columns are all for those aged 25 years old and older.

There are 4 different household income files, split by household type:

* Households is the main group
  + families and nonfamilies are subgroups of households
    - married couple families is a subgroup of families

Excel Column Identifiers:

In major\_by\_age.xlsx

25 years to 39 years science and engineering as SE\_25\_to\_39

25 years to 39 years science and engineering related fields as SERF\_25\_to\_39

25 years to 39 years business as B\_25\_to\_39

25 years to 39 years education as E\_25\_to\_39

25 years to 39 years arts, humanities and others as AH\_25\_to\_39

40 to 64 years science and engineering as SE\_40\_to\_64

40 to 64 years science and engineering related fields as SERF\_40\_to\_64

40 to 64 years business as B\_40\_to\_64

40 to 64 years education as E\_40\_to\_64

40 to 64 years arts, humanities and others as AH\_40\_to\_64

65 years and over science and engineering as SE\_65\_and\_over

65 years and over science and engineering related fields as SERF\_65\_and\_over

65 years and over business as B\_65\_and\_over

65 years and over education as E\_65\_and\_over

65 years and over arts, humanities and others as AH\_65\_and\_over

In file education\_age2.xlsx:

The column names are now abbreviated according to the following rules

Each age group has a new identifier:

A: ages 18 to 24

B: ages 25 years and over

C: ages 25 to 34

D: ages 35 to 44

E: ages 45 to 64

F: ages 65 and over

Each education type has a new identifier:

\_LHS: less than high school

\_HSE: high school graduate or equivalent

\_SCA: some college or associate’s degree

\_BOH: bachelor’s degree or higher

\_L9: less than 9th grade

\_B912: 9th to 12th grade no diploma

\_SCN: some college no degree

\_AD: associate’s degree

\_BD: bachelor’s degree

\_GP: graduate or professional degree

\_TH: (total of) high school graduate or higher

\_TB: (total of) bachelor’s degree or higher

For the (total of) part:

The first instance of TH and TB are sums of the previous data.

The remaining uses are sums but not of previous data.