Assignment 3-2: Analyze computer ownership & internet access near schools in Dallas

During COIVD, children in school were particularly impacted by the lack of access to a computer and internet to be able to learn.

Compare access to internet for high schools and elementary schools in Dallas.

Data

Find Dallas Internet access and computer ownership data. ACS (American Community Survey) data comes from the US census and is arranged according to codes for the different attributes. The dataset we want shows computer ownership and internet access by age and race for each Dallas city tract.

Google something like: "dallas census internet connectivity shapefile" and find a file (ACS Internet Connectivity By Census) - made available for downloading by the open-data City of Dallas GIS Services

 Download, Open in Pro and check the data in the attributes table.

 Attributes include:

> B28003_2: Has a computer (w/wo internet)
> B28003_6: no computer
> B28003_4: broadband

NOTE: Under 'Fields one can turn off the Visibility of some of the many fields one doesnt want to use.

Also download data for all DISD campus locations https://data-disd-gismaps.hub.arcgis.com   Data: Campus Locations.   Attribute table shows which type of school (middle, high etc)

MAP 3a. Choropleth map of Dallas showing the range of tracts where few families have a computer compared to others where many have a computer.

MAP 3b. showing range of broadband ownership (from few to many).

MAP 3c. showing how Elementary schools were impacted, overlapping elementary schools with a choropleth map of households with NO computer.

 NOTE: Extract by selection 'elementary schools'

as a separate dataset.

NOTE: Reverse the colors of the map so that

fewer computers is light color just as above.