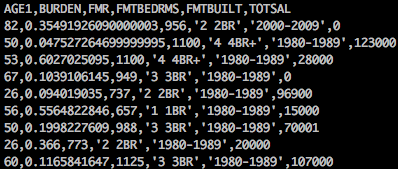
**Filtering**

The goal is to eventually get this into a Pandas Dataframe so let's combine the datasets into one file so it can be read in easily. Since each dataset contains the same columns, you need to combine the datasets into one file. You can't, however, just use append the full contents of each file to one final file since each dataset contains the header row. The consolidated file should only contain the header row once (in the first row). You need to instead append the header row to the consolidated file once, then append only the non-header rows from the 3 datasets to the consolidated file.

Here's a reminder of how the first 10 rows of Hud\_2013.csv looks like:



Since the header row is always the first row in each of the datasets, you can just select all rows after the header row. You can use [the command wc](http://bit.ly/1ZqAXDh) along with the l flag to return the number of lines for a specified file. You can use each file's line count combined with the tail command to return the last n lines of a file.

Instructions

* Create the file combined\_hud.csv and append the header row from one of the datasets.
* Select all non-header rows from Hud\_2005.csv and append to combined\_hud.csv.
* Display the first 10 rows in combined\_hud.csv to verify your work.

/home/dq$ wc -l Hud\_2005.csv

46854 Hud\_2005.csv

/home/dq$ wc -l Hud\_2007.csv

42730 Hud\_2007.csv

/home/dq$ wc -l Hud\_2013.csv

64536 Hud\_2013.csv

/home/dq$ touch combined\_hud.csv

/home/dq$ head 1 Hud\_2005.csv > combined\_hud.csv

head: cannot open ‘1’ for reading: No such file or directory

/home/dq$ head -n 1 Hud\_2005.csv > combined\_hud.csv

/home/dq$ head combined\_hud.csv

AGE1,BURDEN,FMR,FMTBEDRMS,FMTBUILT,TOTSAL

/home/dq$ tail -n 46853 Hud\_2005.csv >> combined\_hud.csv

/home/dq$ head -n 10 Hud\_2005.csv

AGE1,BURDEN,FMR,FMTBEDRMS,FMTBUILT,TOTSAL

43,0.513,680,'3 3BR','1980-1989',20000

44,0.2225915493,760,'4 4BR+','1980-1989',71000

58,0.2178312657,680,'3 3BR','1980-1989',63000

22,0.21745562129999998,519,'1 1BR','1980-1989',27040

48,0.28285714289999997,600,'1 1BR','1980-1989',14000

42,0.2922857143,788,'3 3BR','1980-1989',42000

-9,-9.0,702,'2 2BR','1980-1989',-9

23,0.14475,546,'2 2BR','1980-1989',48000

51,0.2962,680,'3 3BR','1980-1989',58000