Automating analysis in Stata

Problem set

1. Use postfiling to make a two column table that shows the percentage of children who are white, black, Hispanic, and Asian
2. Make a two column table that shows means for the total number of people in each household, the number of people over 18, and the number of siblings each child has
3. Make a four column table that shows means for the three variables in 2) separately for white and Hispanic children, and indicates whether differences are statistically significant
   * Hint: There is already an indicator variable for whether a child is white or Hispanic
4. Create a table using estout that shows a sequence of regressions using NPC\_ANY as a dependent variable with differing sets of controls (choose any you want)
   * Play around with the options for the estout command. You have a lot of choices as to how you want the data to be displayed
5. Write a Stata command that can be used to create both of the tables in 1) and 2)
6. Write a Stata command that allows you to perform the same sequence of regressions in 4) using *any* dependent variable/s
7. Extend your Stata commands in 5) and/or 6) to allow for different samples, different file names, or any other variations you’d like
   * Hint: Add more arguments!

If you’re finished…

1. Try to replicate the table from 4) using postfiling
   * This presents a bunch of new hurdles, but is damn useful because it shows how to produce custom regression tables analogous to the canned estout command
   * You’ll probably want to ask for lots of help on this one
2. Try to replicate one of your tables using the putexcel command

When you’re done, upload a copy of your .do file/s to the server