ps3; **due in 2 weeks: feb26**

[version: Monday 12th February, 2024 17:11]

Either use your own data or data from previous classes

1. produce some relevant descriptive statistics–submit interesting/relevant results, not all the permutations you can think of
2. run a nonlinear model–ideally it should make sense–there should be some theory/logic for nonlinear effect! (as always interpret the results)
3. run 2 multivariate regressions and interpret coefficient on main variable of interest one time using confidence interval and one time using t-stat (look up critical value in table)

---

general directions (always the same):

- submit in canvas, do not email me unless questions
- especially at the beginning, when learning, subset the data, say 3-10vars and 30-100obs–its so such easier to figure things out with small handy dataset; once got it going can just redeploy what you did on bigger dataset
- if you use r or python, no need for stata; do not use excel, spss or sas!
- when doing things by hand, show all the work, all the steps
- make it as easy on yourself as possible: round up numbers! simplify!
- if you calculate any meaningful number, say slope coefficient or t-stat, always interpret it!
- preferably use txt or pdf formats; doc(x) often messes up formatting
- do not submit more than 10 pages of the output (12pt font, single spaced)
- we are on the way to developing the final project with these ps: as we progress, your ps should start resembling a coherent and logical project where you use regression to answer interesting questions–say in few sentences why are you doing what you are doing–that is, answer the "so what question": what's the goal of all that, why are you doing this? you need a compelling justification for what you are doing; be brief, say couple sentences
- always submit dofile if you calculate anything in stata; because you are only submitting code (do not submit any datasets), it must load data from Internet–just put your data onto your own website, wordpress, google drive, etc
- always, cite your data (at minimum full name and url (if applicable))