class wrap up

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outline

misc

misc2

course summary (repetitive boilerplate, ONLY if we have time)

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ps6

◇ do not overcomplicate!

· better to have simple clean code that does the job

· than messy complex fancy code that is wrong

◇ if parts of code take long time to run, say $> 10min$

· optimize it, take random sample, etc

◇ again, it always must start from the very raw data!

◇ easy to make mistake:

· think about it AND cross check; correctness is important!

ps6

◇ explain what you are doing!
◇ interpret things!
· eg when you run descriptive stats, *and* find sth interesting, put a comment and say what you have found in few words
· (don't comment output of every command)

ps6

◇ google things!

◇ before writing the code check if someone already wrote it

◇ and build on others work! ie copy and adapt and improve

◇ eg googling 'world development indicators stata'

· yields `http://www.stata-journal.com/sjpdf.html?articlenum=dm0045`

· "Using the world development indicators database for statistical analysis in Stata"

· exacly what 2 of you are doing

got songs about stata, regressions, dissertations?

◇ https://vimeo.com/852637

◇ https://www.youtube.com/watch?v=42odMdLwZKI

◇ https://www.youtube.com/watch?v=Ga6pOiiTn0Q

publish or perish

◇ coding is fun

◇ but don't lose the end goal from your sight

◇ yes, you are an amateur software engineer–it helps a lot

· it's actually necessary these days!

◇ but you are a professional soc sci

◇ your end goal is a publication

◇ 'keep article pipeline full'

· at any time i have at least 3 articles under review

◇ how about you ? submit a paper !

· start simple, even just some des stats...but keep on submitting papers

this is super important! remember this!!

◇ publishing (and maybe conferences) is
  the only way to get in touch with
  people exactly in your area

◇ there's just a handful of them,

· almost never at you university, sometimes at a
  conference

· usually at a journal where you submit;
  (if you pick the right one almost always at a journal)

◇ this is *the only way* to take your work to next level!!

· it does take time; start now; otherwise you may never
  make it

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spread the word

$\diamond$ if you liked the class or have learned something useful

$\cdot$ spread the word

$\diamond$ i'd like to teach it in the future

$\diamond$ and i'd like to teach more classes like this

$\diamond$ maybe even have certificate or degree in data science

$\diamond$ i need students !

future research

◇ you've probably realized that i am into

· Stata, Python, data

◇ and always happy to discuss them

◇ let's stay in touch!

keep your inner stata alive!

◇ http://stata.com

◇ http://www.stata.com/bookstore/books-on-stata/

◇ http://www.stata.com/links/resources1.html

◇ http://www.michaelnormanmitchell.com/stow/category/
data-management

◇ http://www.stata.com/links/

what next?

◇ make use of your data management skills...

◇ use it or lose it

◇ apply for postdocs (eg subscribe to POLMETH listserv)

◇ collaborate with faculty

· faculty need your data management skills

· they know much less about data mgmt than you!

· and in general, just make \$!

make $

◇ industry data jobs usually require SAS, SQL, Python, Java

◇ but there are many Stata jobs, eg:

◇ `http://www.job-search-engine.com/keyword/stata/`

◇ `http://www.careerbuilder.com/Jobseeker/Jobs/JobResults.aspx?ch=&rs=&s_rawwords=Stata`

◇ and a ton of data science jobs:

- `http://web.ccsu.edu/datamining/jobs.htm`
- `http://www.kforce.com`
- `http://www.gadball.com`
- `http://hotlinuxjobs.com/`
- `http://www.icrunchdata.com/`
- `http://www.cybercoders.com/`

<u>**outline**</u>

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see again

- $\diamond$ theory.pdf:the golden rule
- $\diamond$ intro_to_course.pdf