

intro

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outline

2 questions about yourself

- ◇ specific research interests?
 - using any data yet?
 - or what data you need?
- ◇ what do you expect from this class?
- ◇ (if another person similar to you and work together!)

approach: applied, examples, hands-on

- ◇ you're encouraged to collaborate (prep for class, ps)
- ◇ free to choose topics/data
 - (as long as there are any research methods!)
- kill 2 birds with one stone:
- ideally, bring your own data and analyze it,
- or bring research done by others that interests you
- don't worry, as long as you have any research interest
- you'll find data and especially research about it
- ◇ we'll go over finding research and data sources
 - mostly just google scholar and google!
 - let's try it! <https://scholar.google.com/>

1st and 2nd half

- ◇ 1st half basics, and some math, go fast:
 - basics, data, theory, general
- ◇ 2nd half more application, focus on paper
 - more research oriented topics for the paper

recommended/extra/bonus

- ◇ only slides and assigned readings
 - are required and tested/graded
 - but it will be easier to follow if you do additional readings (and they are fun, too)
 - [*] = extra/bonus

grading/extra credit

- ◇ i will be strict about grade scale:
 - you get the grade that your interval indicates (see Sakai for your grade so far)
- ◇ but there is opportunity for extra credit, eg:
 - answer extra credit questions during the class
 - have an early presentation of your research
 - find typos/false statements in class materials
 - tell me about useful course materials: books, datasets, websites, etc
 - engage civically (see at the end of syllabus)

statistics is everywhere (Wheelan, 2013, ch1)

- ◇ statistics is everywhere
- ◇ we use it all the time
- ◇ it makes sense of, and simplifies world

consumers, not producers :(

- ◇ we won't use statistical software
 - still will do some rudimentary calculations and research
 - if you are interested in doing research professionally
 - sign up for our PhD program!
 - <http://dppa.camden.rutgers.edu/degrees/phd/>
- ◇ and come to office hours to talk about Python
- ◇ if you plan to collect data, or use confidential data
 - like student scores, start early! it takes time to get it!!
 - and seek IRB: <https://orra.rutgers.edu/formsandtemplatesartsci>

simplify! be applied and local

- ◇simplify! narrow down! i always say it and people never follow
 - by the end of capstone you have about 6mo, you wont pull off a big complicated project
- ◇do not try to contribute to the (academic) knowledge
 - (its for PhDs not MSs)
- ◇say we know that higher ed increases eco dev in general
 - but how about in Camden county

quantitative v qualitative

- ◇ note: IRB approval and collecting your own data takes months, and so is discouraged for master's students

wrap-up

- ◇ end every class discussing what we covered and quick look at next week
- ◇ end with a review Q&A,
- ◇ give some examples (essp in pub pol and pub adm) for concepts covered
- ◇ students will discuss concepts from the class
- ◇
- ◇ quick look at next class

bibliography I

LEVITT, S. D. AND S. J. DUBNER (2010): Freakonomics, vol. 61, Sperling & Kupfer.

TOUGH, P. (2014): "Who Gets to Graduate?" New York Times.

WHEELAN, C. (2013): Naked statistics: stripping the dread from the data, WW Norton & Company.