

# Data Science for Economists

## Brief Update on Schedule

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# Schedule Notes

## 1. No class:

- Friday, September 27
- Friday, October 4

## 2. Content Tweaks

- **Previously:** Last lecture in Section 2 was "programming applications (re. simulation, numerical methods)"
- **Now:** Last lecture in Section 2 is "programming applications (re. simulation)"
- **Now:** we'll cover web scraping in Section 3 - Data Acumen
- **Now:** We'll cover optimization and numerical methods in Section 4 and Visualization

Why the content tweaks? Because I want you to start thinking about you

# Final Project (Brief Overview)

Your final project is to put together a *basic* research project. This consists of:

- A research question
- Data collection
- Data cleaning
- Analysis
- Visualization
- 2 Presentations
  - One that describes your project in detail (~15 slides)
  - One that you present in class (~3 slides)

Grading will be weighted towards on the **R** components of the project: data collection, analysis, visualization

But *all* of this is what data scientists do. (And what they ask about in interviews)

# Some Initial Thoughts

For now, just start thinking really broadly. What kind of topics are you interested in? Where could you find relevant data, what are some questions you can ask?

HW3 (due mid-October) will ask you to come up with a research question and do some preliminary cleaning of that data

- Note this isn't binding - you can complete HW3 and make your final project something different

I'll circulate some common places to find data and an example research question during our lecture on regression (mid- to late-September)