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# 36-726: Statistical Practice

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Thursday odds and ends

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# Outline

- Methods & Talking to Each Other
- Plans for the next several class meetings
- Your time

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# Methods & Talking to Each Other

- What is common among the projects?
  - Part of being a good statistician is seeing when apparently different projects actually pose similar data analysis problems
  - The specific methods may be
    - the same,
    - slightly different, or
    - very different,but it is good to see the commonalities
  - Talk to other project teams about methods
    - (without breaking data confidentiality of course!)
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# Some possible links...

- Detecting unusual patterns
  - HCI learning discontinuities
  - NPD anomaly detection
- Missing data in Human Resources
  - IFDA understanding labor market
  - NHL understanding player movement to NHL
- Developing or improving “indices”
  - AFRINIC network resilience indices
  - NBA improving plus/minus index

# More possible links...

- Discovering networks, graphical models
  - HCI prerequisite discovery
  - JP MORGAN discovering social networks
- Logistic regression, causal analysis
  - PPS use of Promise scholarships
  - SIMON effect of COVID on teaching and learning
- Interrupted time series
  - PHIGHT COVID effect of policy on public health
  - SIMON effect of COVID on teaching and learning
  - HCI learning discontinuities

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# Plans for the Next Several Class Meetings

- Short class today
- Monday Mar 15 – No class
- Thur Mar 17 – We will have class, likely a short class
- Weeks of Mar 22 and Mar 29
  - Second Progress Reports
  - Same order as before, but I will compress into 4 classes if possible

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# Your Time

- Your total commitment to Spring project courses is 18 hours (including time in class):
  - 612 is 6 units
  - 726 is 12 units
- Some of that is on individual assignments
  - Not much for 726
  - A bit more for 612 (reading and so forth)
- You can expect to be spending 12-14 hours a week on the project itself (a bit more when there are no 612/726 classes or assignments)
- If you find you are not spending that much time, find out
  - What tasks need to be done
  - Background reading, organizing, data exploration, etc.

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# Summary

- Methods & Talking to Each Other
- Plans for the next several class meetings
- Your time