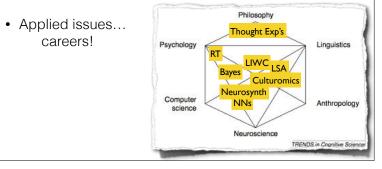


This Week

- Final paper / grades / extra credit
- What to do?



"Meta-Methods"

• Let's engage in "meta-cognition," and think about where we'd like to go, and therefore what tools we might want to clip to our belt when we enter the real world...

Academia







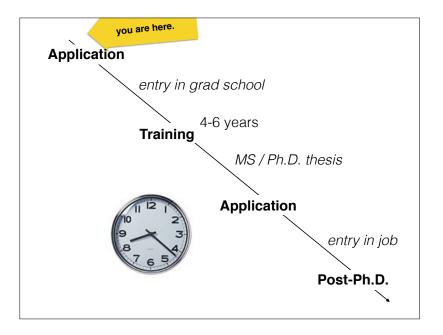
Three Ways to View This

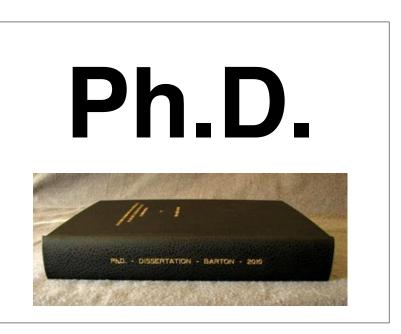
- "I don't know what's next. What's this?"
- "I have no inclination towards a graduate degree... but this is an interesting cultural study..."
- "I'm intrigued by graduate school, and the academic route, tell me about it, as a cognitive scientist."

Imagine... visualize...

- You've had some taste of hands-on activities... you like working on a project, finding things out, working with data, communicating those data ...
- Imagine seeking out a career path that lets you do that during most of your week.





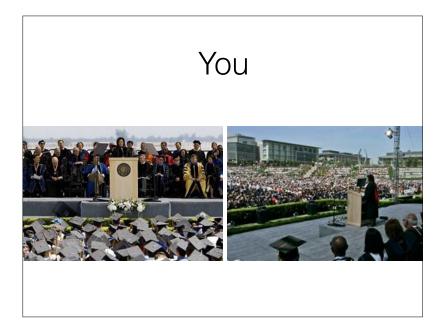


The Academic Route

- After the Ph.D.?
 - Researcher / Scientist (exclusively on research)
 - Lecturer (focus on teaching, at any university)
 - **Professor** at a liberal arts college (focus on teaching, some research)
 - **Professor** at a research-intensive university (focus on research and teaching)
 - "Reinventing the Ph.D." (discussed here)

The Tenure Track

- If you get hired by an institution, the "tenure track" is a period of time during which you are evaluated (often: 6 years).
 - The tenure track is often likened to a grueling and confusing obstacle course, filled with very challenging long-term projects and diverse tasks.
- If you are evaluated positively, you "earn tenure," which, by some accounts, is a "permanent job."

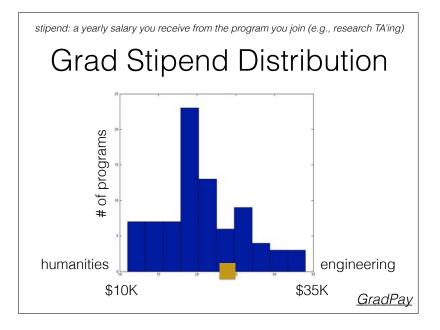




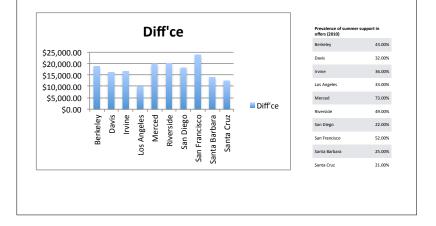


- Suppose you would like to enter a Ph.D. program.
- What's are some questions or concerns you may have?
 - GRE?
 - Research experience?
 - Grades?
 - Location?

• Cost? First important observation: Many, if not most, Ph.D. programs include a stipend and waiver of tuition



Grad Stipends in the UC



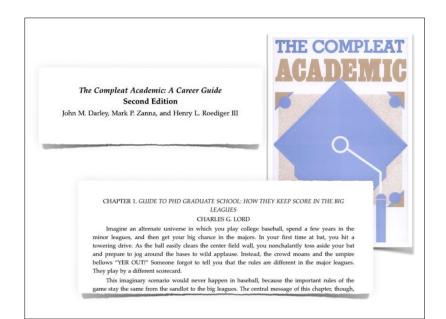


A willingness to be far away for a long time.

Getting In?

- Recommendation letters from faculty (occasionally, but rarely, from grads).
- Research fit.
 - Do your research interests fit with the program and (in particular) the person you'd like to work with.
- Research **experience**.
 - Undergraduate research presentation, projects in Research Week, presentations or work in a lab, etc.?
- Enough GRE and grade quality to indicate you can sustain a set of basic academic functions.
 - Some programs regard these as having a bit more "slack" for example, the majority of faculty
 would go with strong research interest and experience than GRE/grades, if forced to choose.





Graduate School

Table 1.1 success of Nine variables at Predicting two Gets a Supend, who Gets Good Grad Graduate Courses, and Who Gets a PhD (N = 90)

| Predictor | Stipend | Graduate grades | PhD |
|------------------------------|---------|-----------------|-----|
| Undergraduate GPA | .26* | .38* | .14 |
| Last 60 hours GPA | .27* | .42* | .11 |
| GPA in major | .28* | .30* | .18 |
| GRE-V | .21* | .25* | .03 |
| GRE-Q | .33* | .03 | 07 |
| GRE-A | .40* | .23* | .02 |
| Graduate research competence | | | .83 |
| Number of publications | | | .63 |

classes: training, broadening, recommendation letters

Exhibit 1.1 Sample Academic Vit

Graduate School

position in their department: on their academic vita.

KEEPING SCORE: YOU ARE YOUR VITA

Since I have been in my department, we have hired more than half the current faculty. I have been intensely involved in all of these searches, both during the time I was department chair and later. Would it surprise you to know that I have *neuro* seen the graduate transcript of any of my colleagues? We do not request a transcript of graduate grades because my colleagues and I would regard that information as useless. We are trying to hire the best scholars, not people who got the best grades

The ir

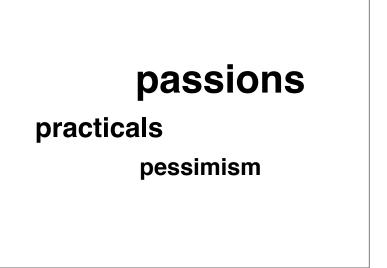
No matter what anyone tells you, no matter the academic position you seek, to be competitive you need to place lines on your academic vita under "Publications." Tve participated in many academic job searches. Busy faculty members are typically confronted with several boxes bulging with applicants' folders. In each folder they find the applicant's cover letter, lengthy letters of recommendation, reprints of published work, various other materials the applicant thought would help his or her cause, and an academic vita. Most committee members head straight for the vita. They often turn immediately to the "Publications" section. At this point, many of them do not know (or care) about your name, your gender, or any of the other background information usually included on the front page. They want to see what you have contributed to the published literature in your discipline.

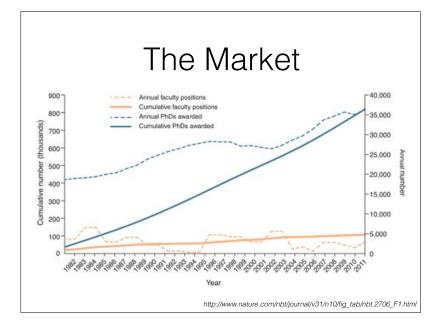
Be warned. Do not attempt to fool faculty committees by including in the "Publications" section articles that are only under myiow abstracts of conference publications, your unpublished master's Importance of Research Productivity



Passions

- Success in the Ph.D. correlates with research passion.
- Do you have burning questions you want to ask?
 - Well, (i) find a program that has faculty who do that work, (ii) get into that program (see earlier), and (iii) develop projects with your advisor [let run for 4 to 6 years].





The "Adjunct Crisis"





Rethinking the Ph.D.



Linked in optional materials

Another Way to View It Ph.D.

"I want to be a professor."

"I want to be a teacher."

"I want to be a researcher." "I want intense project-based technical training."

"I want an amazing 5-year experience that opens up lots of doors."

Next Time

- Industry! Data science and other avenues.
 - Some notes on professional programs (MS).