

Got Data? Now What?

CGS Summer Workshop 2016
Savannah, GA

Frances Leslie

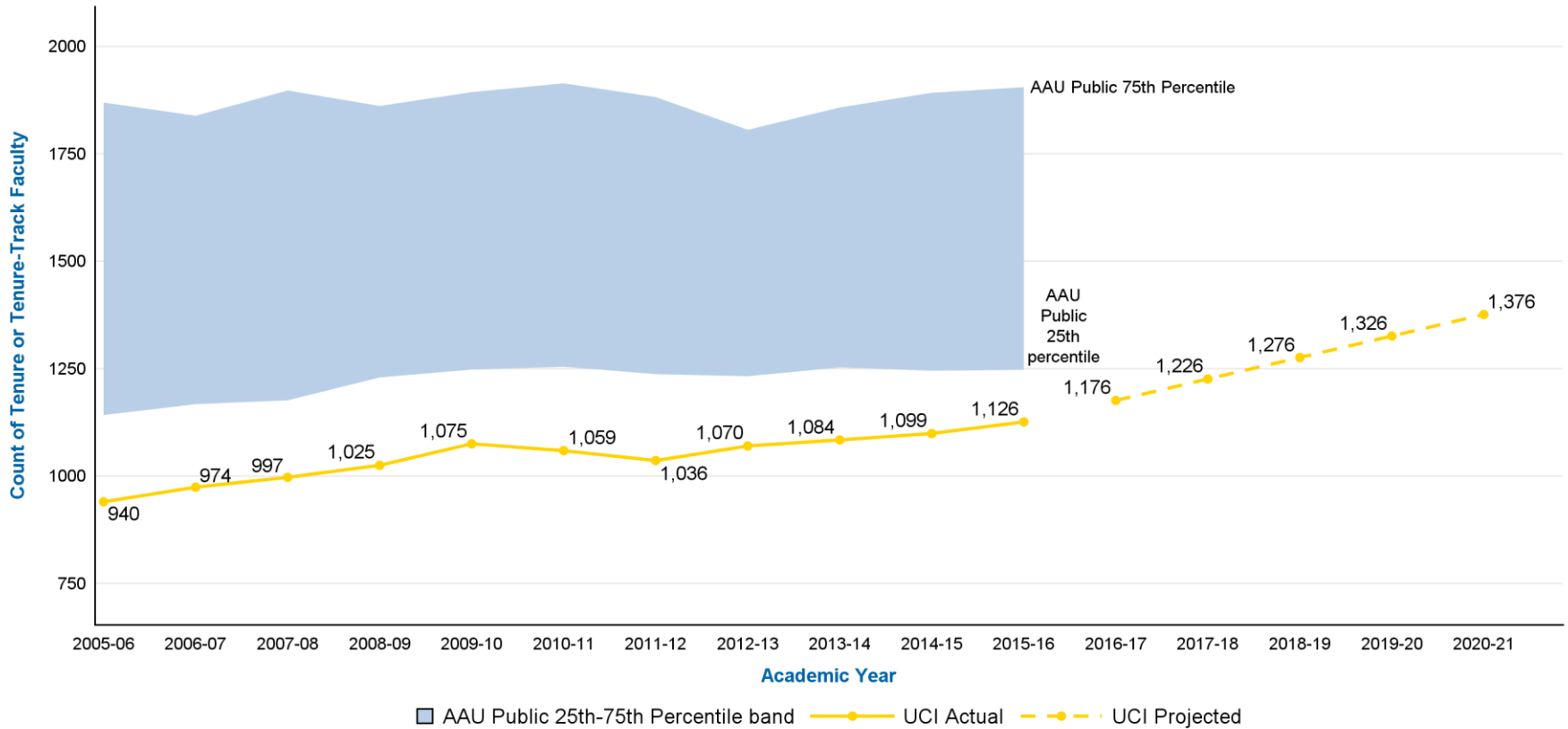
Vice Provost and Graduate Dean
University of California, Irvine

Challenges facing UC Irvine

- In response to declining CA State budget, UCI turned to new sources of revenue
- This included tuition from international and master's students
- Undergraduate enrollment increased 12.5% from 2012-15, with out-of-state enrollments increasing by 165%
- State lawmakers are now requesting increased enrollment of CA residents

There is a need to grow faculty numbers to meet demand

Number of UCI Tenure and Tenure-track Faculty Relative to AAU Public Institutions

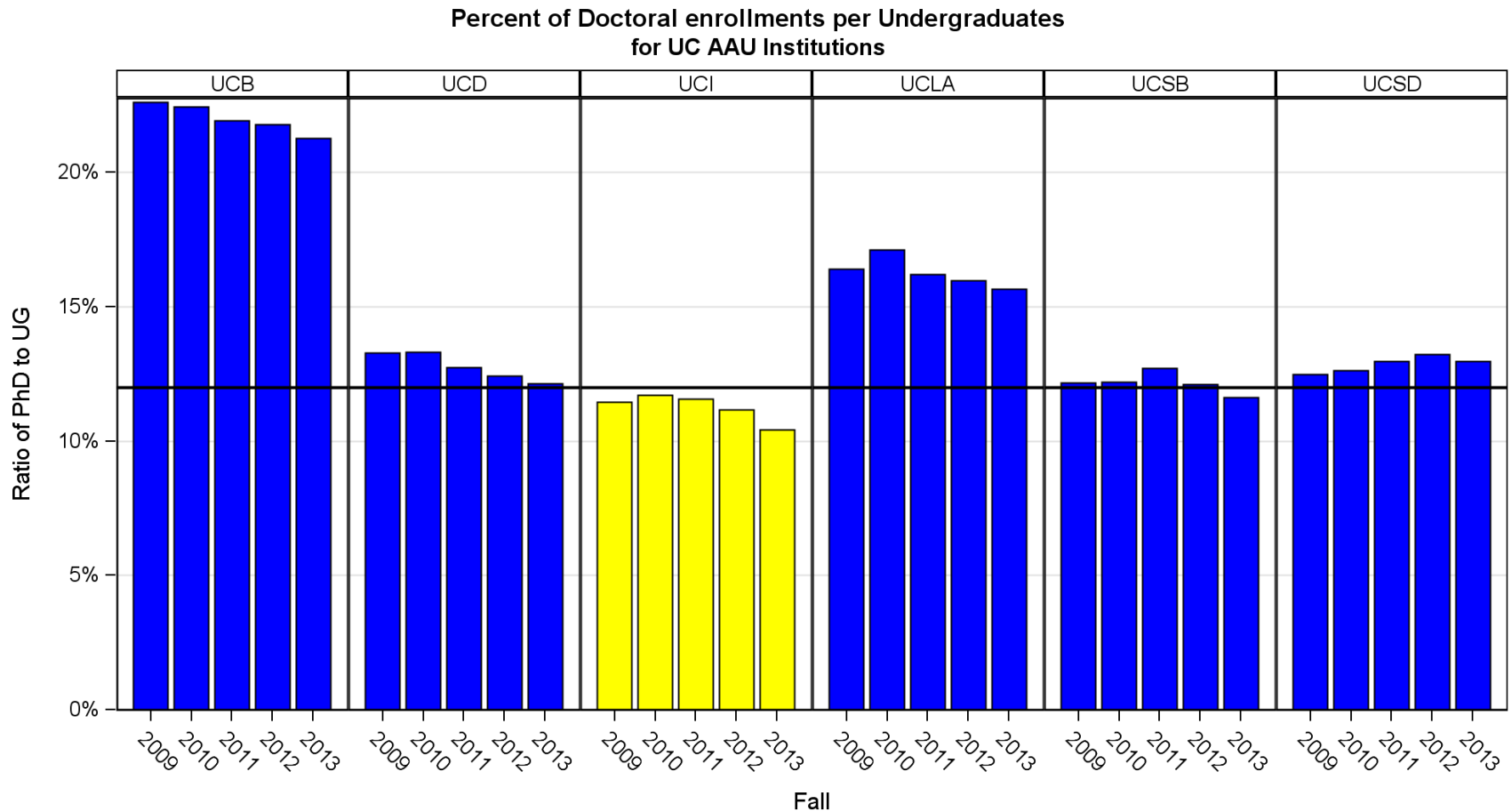


PhD enrollments per faculty have been declining over the last decade

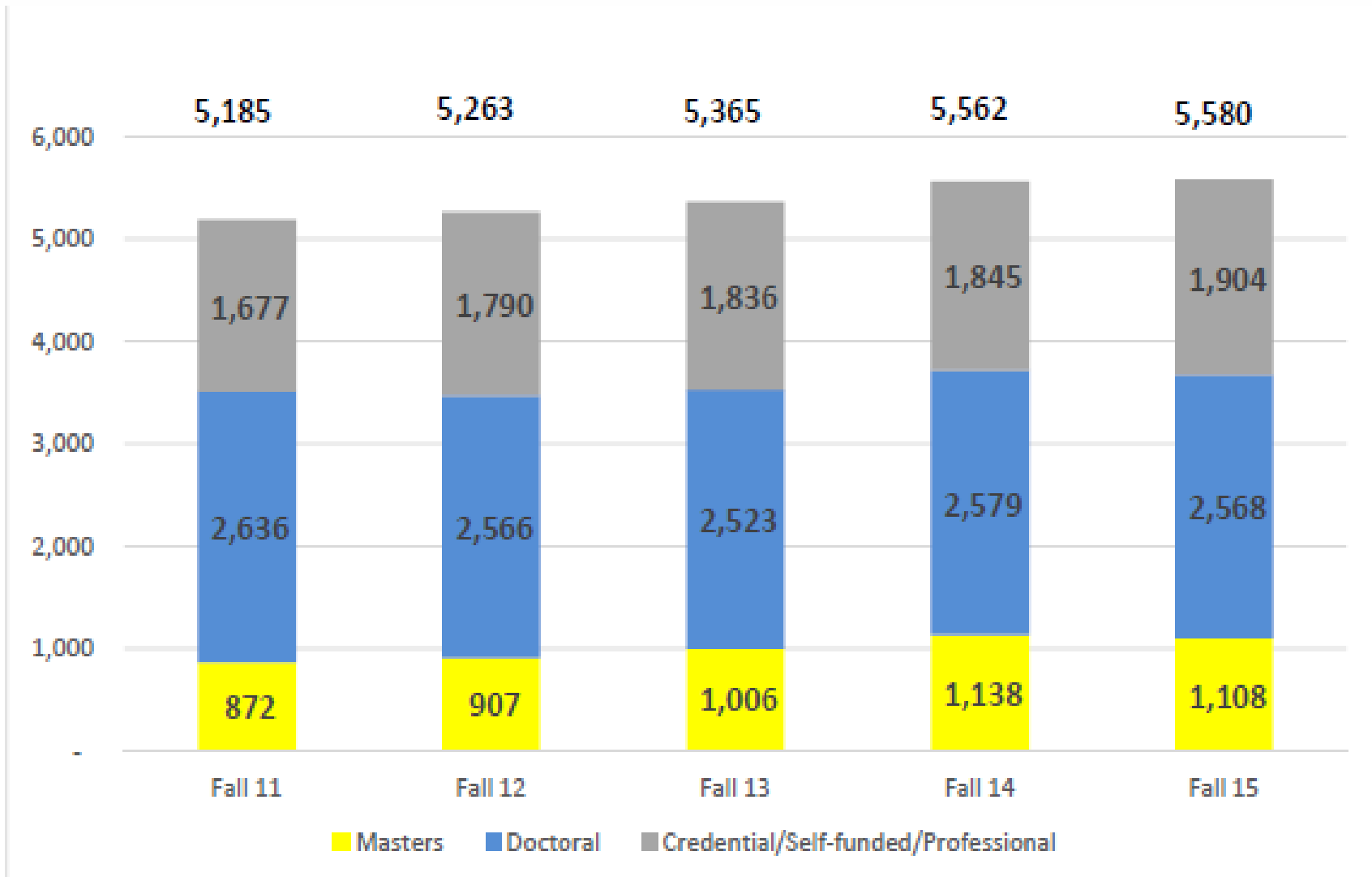
Year	Faculty	PhD	Ratio
2005	803.89	2412	3.00
2006	819.31	2451	2.99
2007	849.91	2536	2.98
2008	886.68	2579	2.91
2009	873.81	2535	2.90
2010	849.18	2453	2.89
2011	867.35	2437	2.81
2012	878.53	2336	2.66
2013	883.34	2339	2.65
2014	900.55	2413	2.68

*General campus FTE (excludes Law)

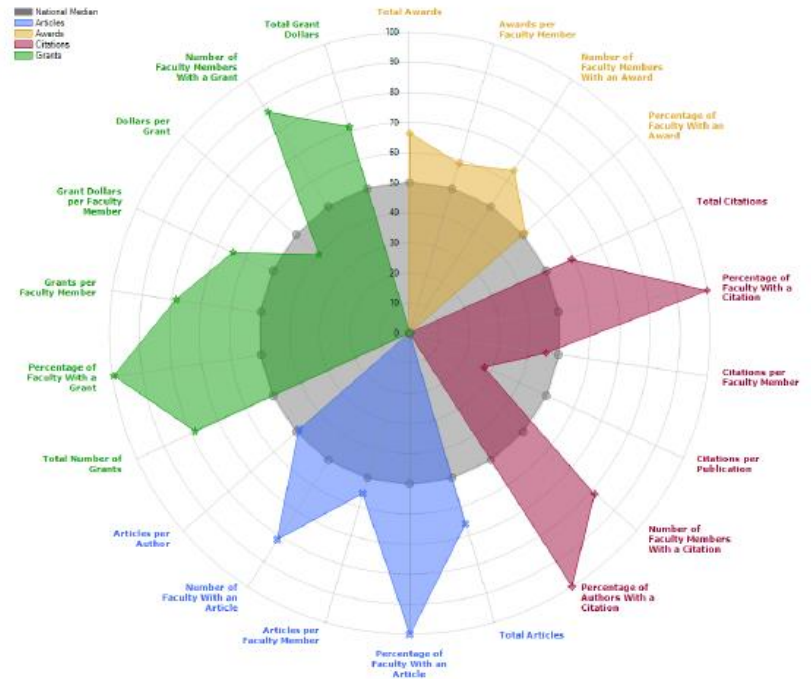
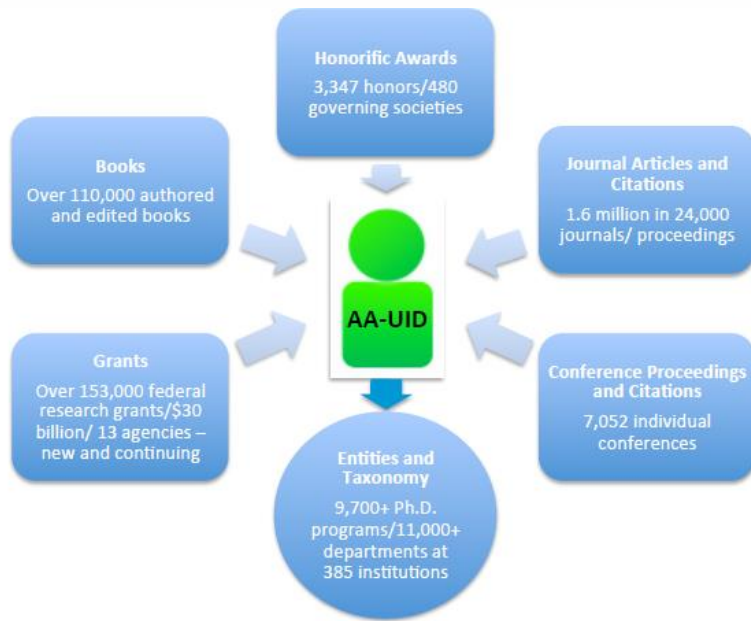
Increasing imbalance between doctoral and undergraduate enrollment



How much doctoral enrollment growth do we need?

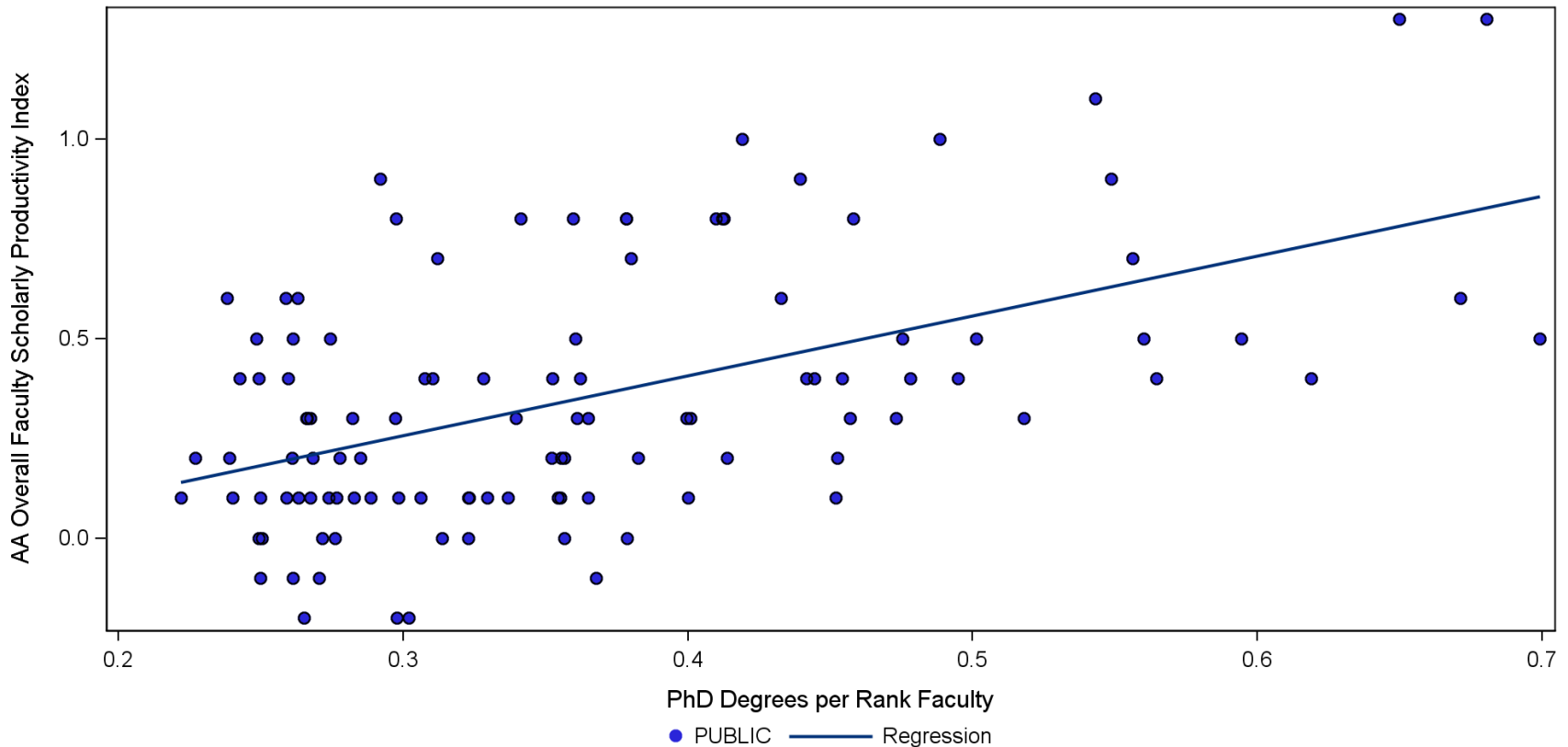


Academic Analytics calculation of faculty scholarly productivity



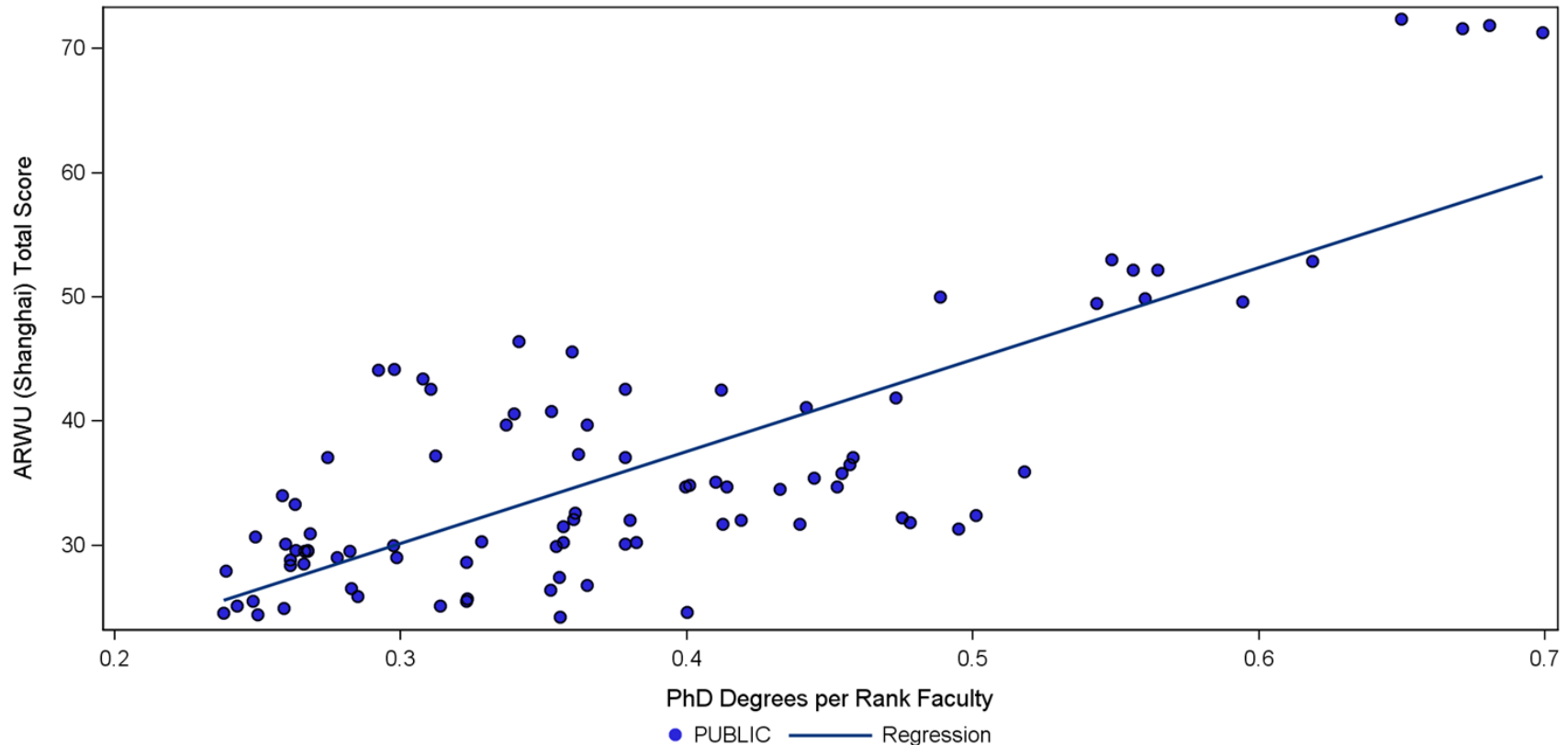
PhD degrees awarded per faculty are correlated with faculty productivity

Relationship between Ratio of PhD Degrees to Ranked Faculty and Institution's Faculty Scholarly Productivity Index for AAU Institutions between 2009 and 2013



PhD degrees awarded per faculty are correlated with global rankings

Relationship between Ratio of PhD Degrees to Ranked Faculty
and Institution's ARWU (Shanghai) Total Score
for Public AAU Institutions between 2010 and 2013



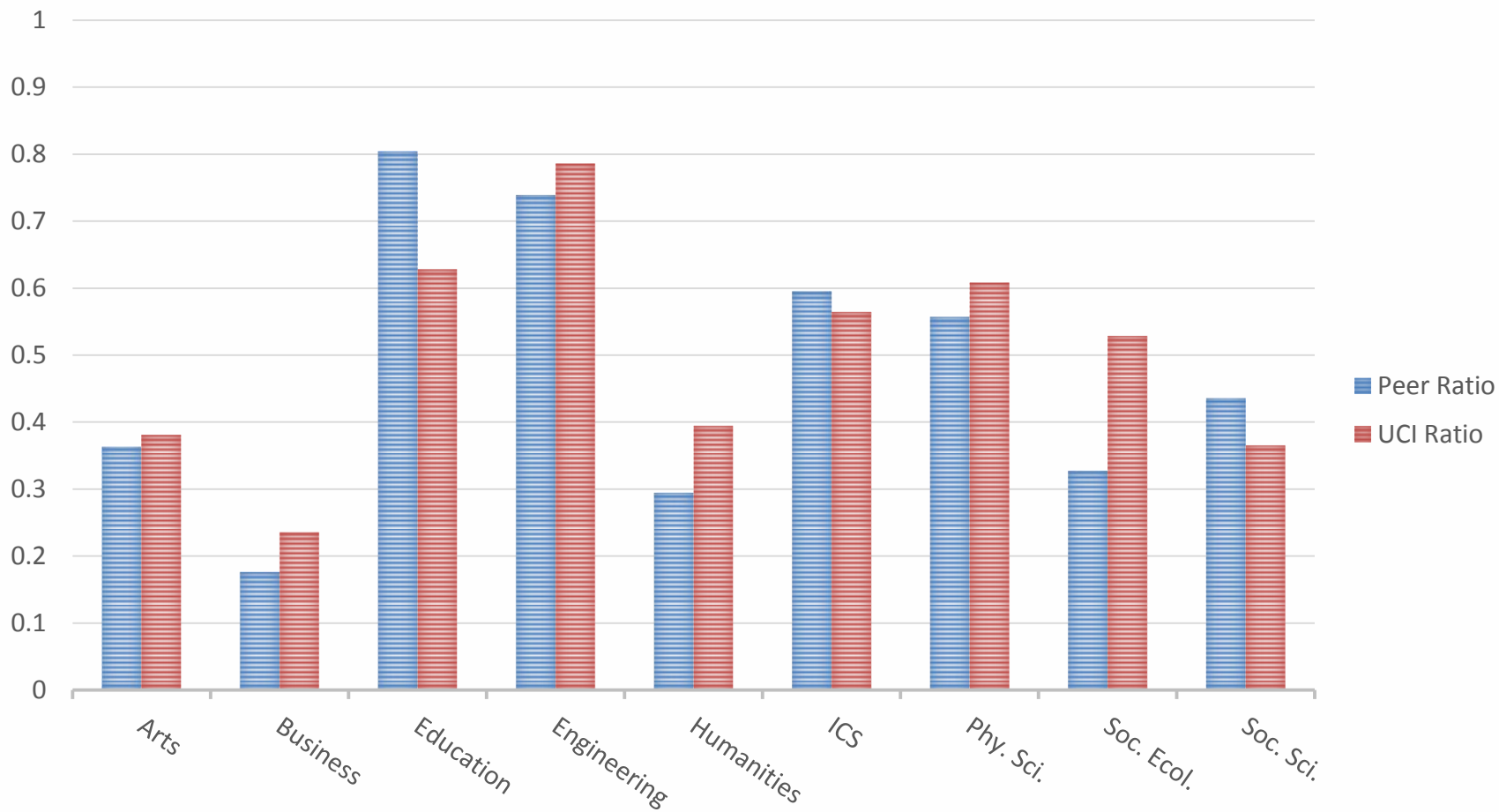
Long Range Enrollment Plan (January 2015)

Student Level	Annual increase above previous year		
	CA Resident	Netpayer	Total
New Freshmen	+25	+125	+150
New Transfers	+45	+43	+88
New Acad-Doctoral	+25	+20	+45
State funded: New Masters (Acad & Prof)	+10	+10	+20

Benchmarking UC Irvine Ph.D. Programs

- Identified 8-10 AAU Public peers of each UCI Ph.D. program
- Peers defined as 4-5 programs ranked above, and 4-5 below a given UCI program in terms of overall Academic Analytics FSPI scores
- Confirmed with program faculty that these were peers
- Using AAUDE dataset, computed three-year average of Ph.D. degrees/faculty for UCI and peer programs
- Provided each dean with UCI and peer Ph.D. degrees/faculty for his or her school to inform their Ph.D. growth planning processes

PhD/faculty at UCI schools compared to AAU peers



Diversity Goals

UCI Strategic Goal

- Ensure that UCI's educational opportunities are an engine for social mobility, impact and positive innovation

Proposition 209

- Is a California ballot proposition which, upon approval in November 1996, amended the state constitution to prohibit state governmental institutions from considering race, sex, or ethnicity, specifically in the areas of public employment, public contracting, and public education

Establish potential applicant availability



http://nces.ed.gov/programs/digest/d14/tables/dt14_322.40.asp

IES NCES National Center for Education Statistics 



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Table 322.40. Bachelor's degrees conferred to males by postsecondary institutions, by race/ethnicity and field of study: 2011-12 and 2012-13



http://nces.ed.gov/programs/digest/d14/tables/dt14_322.50.asp

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Table 322.50. Bachelor's degrees conferred to females by postsecondary institutions, by race/ethnicity and field of study: 2011-12 and 2012-13

Questions?

