# Academic Life: Tenure, Promotion, & More

- University-ese Vocabulary
- Tenure What, How, Why
- Why are faculty so ...
- Pressures on current practices

Data from American Institute of Physics, NSF, NCES, and AAUP

## **Open your Chat:**

Do you now have, or have you had in the past, an "Academic" position? (Asst/Assoc/Full Prof., Research Prof., Adjunct/Instructor, Postdoc, etc.)

If so, describe briefly.

## **Academic Vocabulary Test**

- Assistant Prof
- Associate Prof
- Full Professor
- Chair
- Dean
- Director
- Endowed Prof
- Endowed Chair
- Emeritus Prof
- Regent
- Trustee

- Grad Assistant
- Instructor
- President
- Chancellor
- Provost
- Renewable Term Prof
- Adjunct Prof
- Research Prof
- VP, Research
- VP, Admin
- CIO

President/Chancellor/etc.
Provost (Academic VP)
VP Research, VP Admin, CIO, ...
Dean ("College")

Trustees Regents ...

"Soft" Money

Dept. Chair/Director

Endowed Prof/Chair (Full) Professor
Associate Prof
Assistant Prof
~Renew. Term Prof~

"Hard" Money

Research Professor Research Scientist Renew. Term Prof. **Post Doctoral** Researcher **Grad Res Assistant** Instructor Adjunct Instructor

## The "Tenure Track"



**Chat: Define Academic Tenure** 

### **Tenure & Academic Freedom**

Tenure ... is a means to assure unfettered, unbiased, unencumbered search, verification, and communication of truth by professional scholars and teachers. Tenure is designed to provide faculty members with freedom from political, doctrinaire, and other pressures, restraints, and reprisals which would otherwise inhibit the independent thought and actions in their professional responsibility of search, verification, and communication of truth.

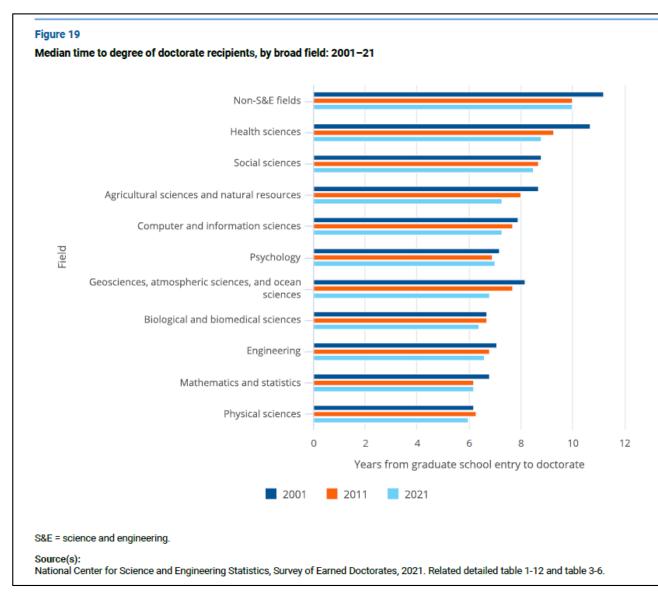
### **Academic Time-Line: PhD?**

**Prof** 

**Assoc Prof** 

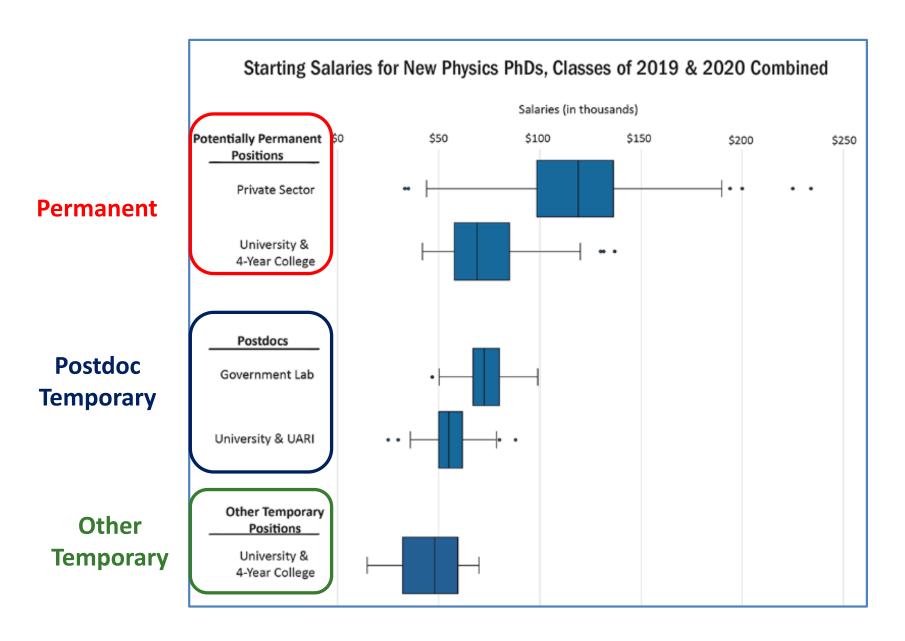
**Asst Prof** 

Finish PhD - Year 6



**Graduate School - Year 0** 

#### Physics Ph.D. Starting Salaries



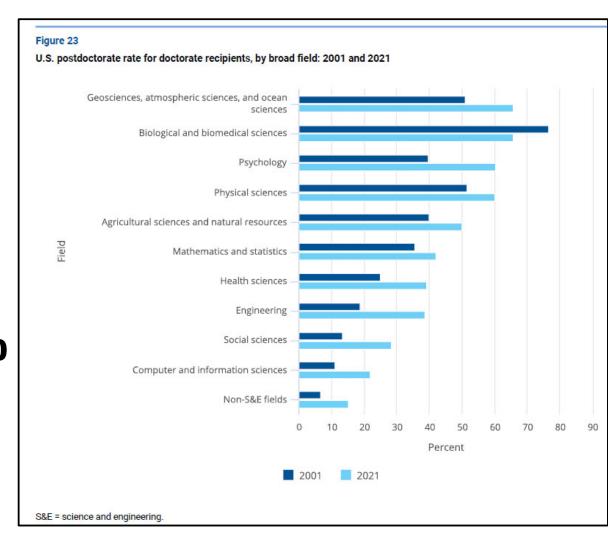
### **Academic Time-Line: Start Tenure?**

**Prof** 

**Assoc Prof** 

Asst Prof - Year 10

Finish PhD - Year 6



**Graduate School - Year 0** 

### **Academic Time-Line: Tenured?**

**Prof** 

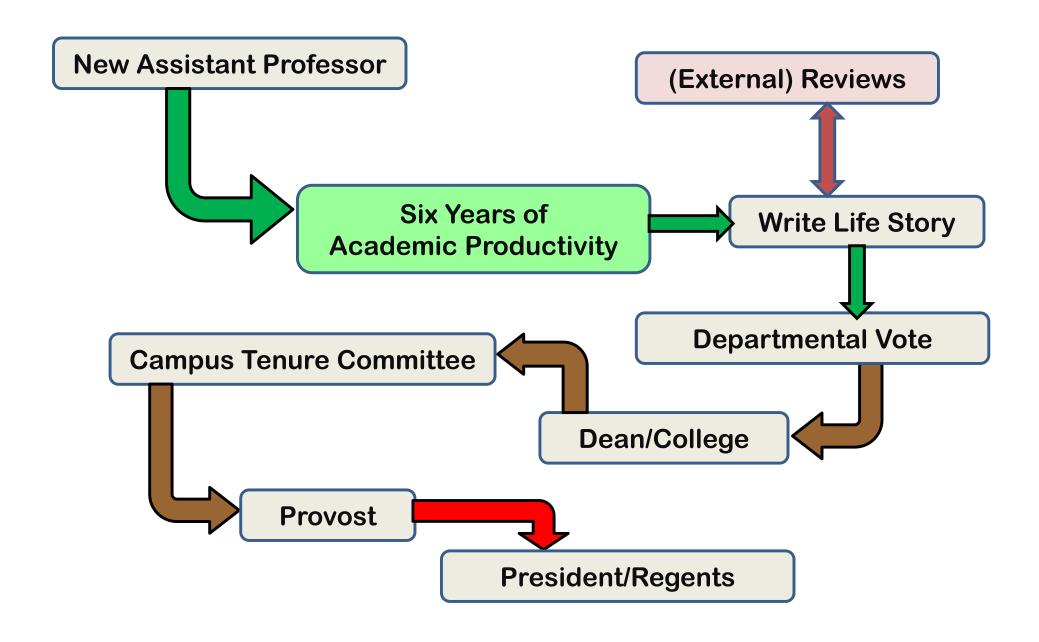
**Associate Prof – Year 17, Tenured (~40 yr old)** 

**Assistant Prof – Year 10** 

Finish PhD - Year 6

**Graduate School - Year 0** 

#### The Tenure Decision



## "Academic Productivity"

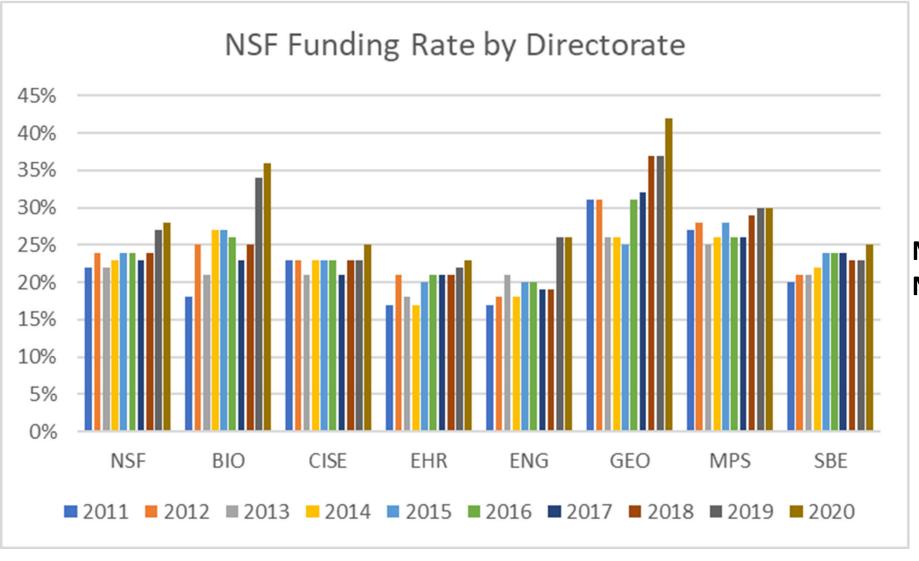
- Publications
- Money
- Patents
- Collaborations
- Reputation
- Talks
- Consulting
- Student Mentoring
- Teaching
- Service

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## "Academic Productivity"

- Publications (5% 50%)
- Money (10 25% chance)



NIH: 19%

**NEH: 10%** 

#### What's the Need?

#### Estimated Number of Recruitments for Physics Departments, 2018-19 Academic Year

	Highest Physics Degree Offered				
	PhD	Master's	Bachelor's	Overall	
Percent of Departments Recruiting	66%	51%	37%	45%	
Number of Tenure/Tenure-Track Faculty Recruitments	215	31	123	369	
Number of Temporary Full-Time Faculty Recruitments	27	8	102	137	
Number of Non-Tenure-Track, Permanent Recruitments	34	6	25	65	



aip.org/statistics

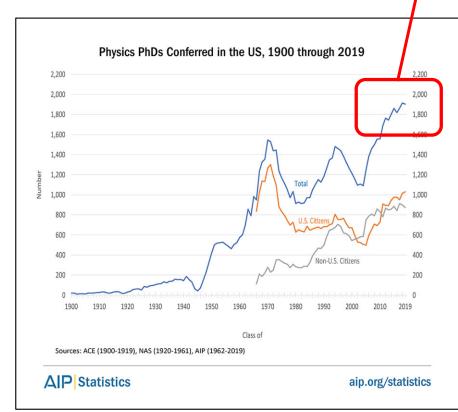
#### Estimated Number of Faculty Departures in Physics Departments, 2016-17 Academic Year

	Highest Physics Degree Offered				
	PhD	Master's	Bachelor's	Overall	
Number of Departures	202	31	138	371	
Percent of Departures Among Faculty Members	3.4%	3.5%	3.8%	3.5%	
Percent of Departments	61%	31%	25%	35%	
Percent of Departing Faculty Members that Left Without Tenure	10%	15%	24%	16%	
Total Headcount of Faculty Members	6,015	870	3,615	10,500	

Note: The total headcount of faculty members is for the academic year of 2017–18. The total number of faculty members in this report differs from the total number reported in "The Number of Faculty Members in Physics Departments", which reported full-time equivalent (FTE) faculty totals, not headcount totals.



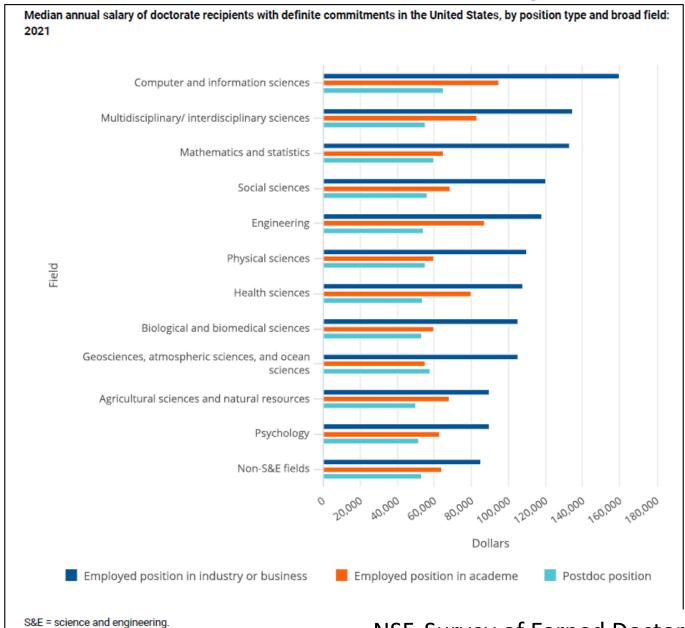
~2000



~60



## No Tenure, You Leave: Why do this???



NSF, Survey of Earned Doctorates, 2023

Independence, Education/Teaching, Prestige, No Imagination, ...

### Researchers are Focused!

 Measurement of the t-tbar production cross section and top quark mass extraction using dilepton events in p-pbar collisions

 To Swear Like a Sailor: Language, Culture, and Meaning in the American Maritime World, 1750 – 1850

 Elimination of threading dislocations in asgrown PbSe film on patterned Si(111) substrate using molecular beam epitaxy

### **Academic Time-Line: "Full"?**

**Prof - Year?** 

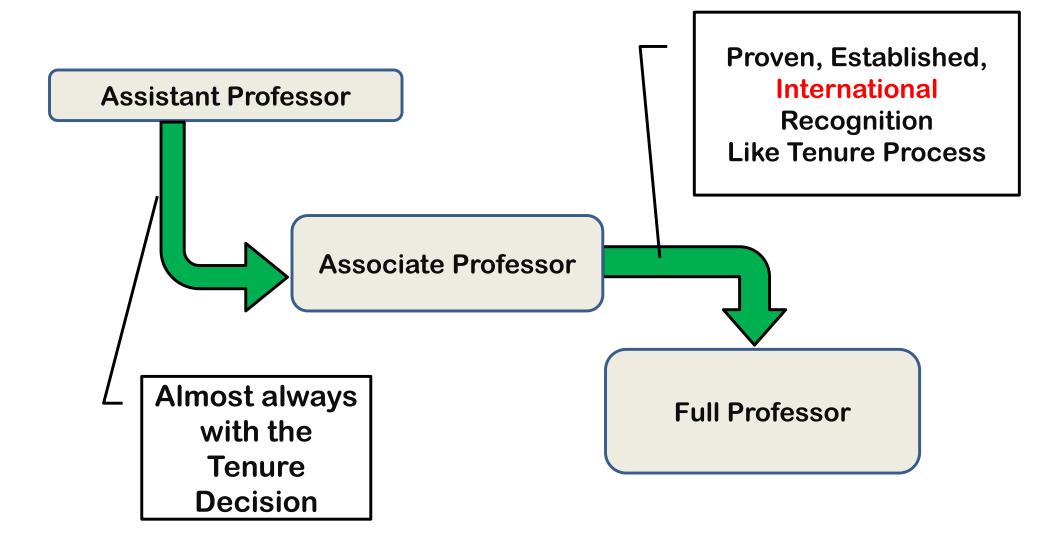
**Associate Prof – Year 17, Tenured** 

**Assistant Prof – Year 10** 

Finish PhD - Year 6

**Graduate School - Year 0** 

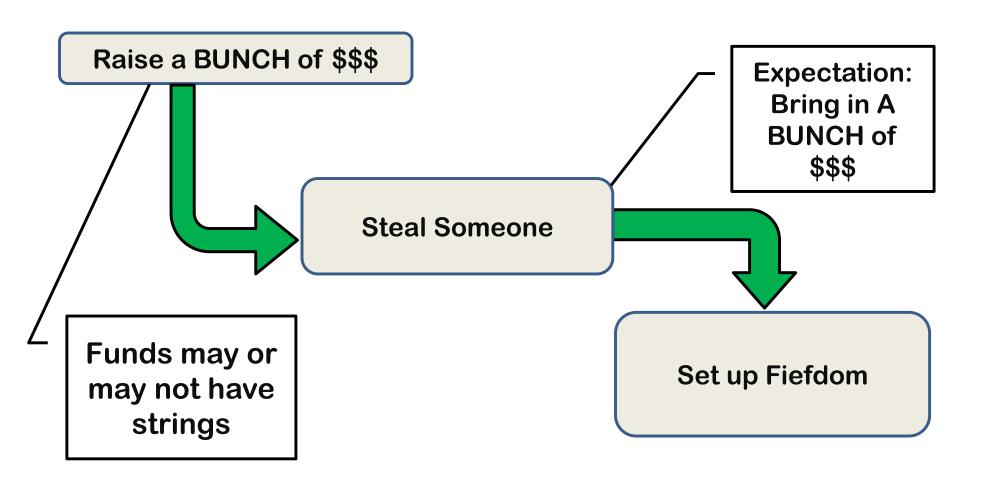
#### **After Tenure 1: Promotion**



## **Post-Tenure Academic Productivity**

- Publications
- Money
- Books
- International Talks
- Conference Committees
- Collaborations
- Disciplinary Service
- Public/Professional Service
- Leadership
- Instruction & Outreach

## **Endowed Professorships ("Chairs")**



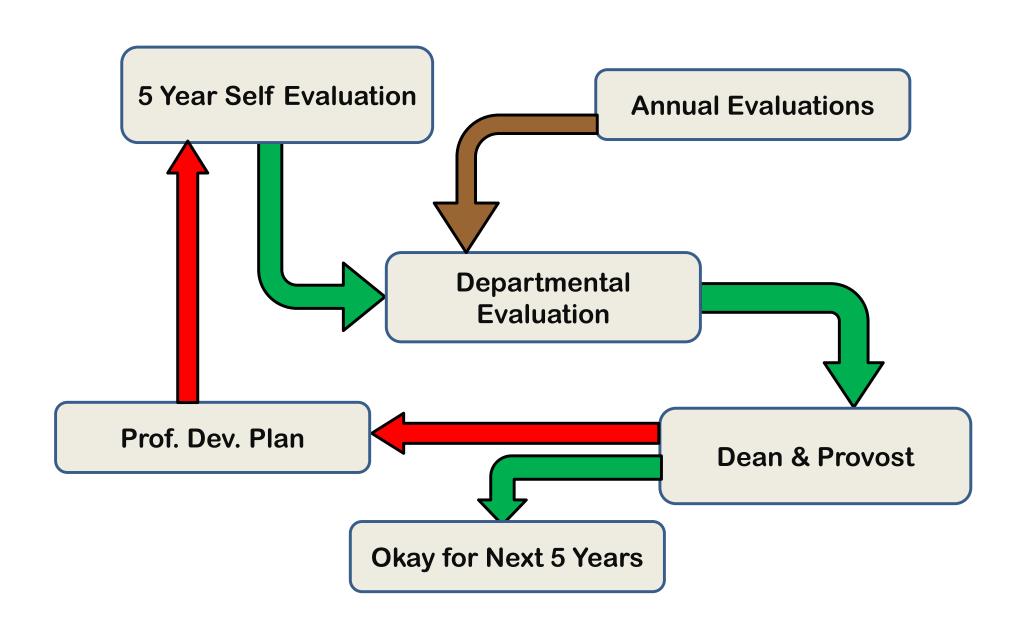
## **Changes? Impacts? Future?**

## **Abrogation of Tenure**

- Incompetence or Dishonesty
- Substantial Failure to Fulfill Duties
- Personal Behavior
- Failure to Adhere to University Policies
- Violations of the Law
- Elimination of Academic Unit
- Financial Emergency
- Post-Tenure Review

**Created/Imposed** 

# After Tenure 2: Post Tenure Review (Continuing Production)



## **Abrogation of Tenure**

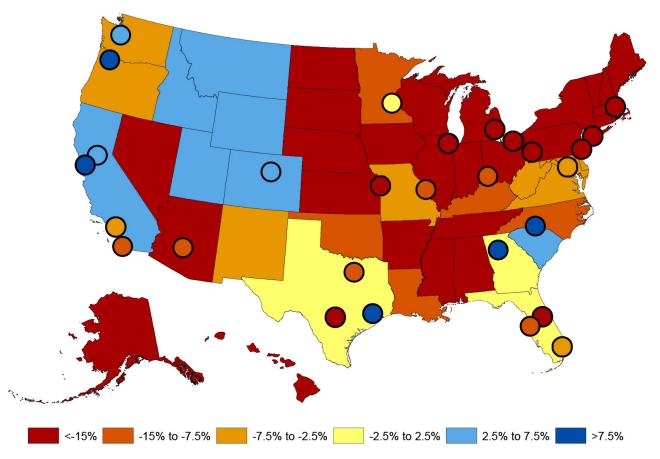
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Student Population "Cliff"

## **Abrogation of Tenure**

- Elimination of Academic Unit
- Financial Emergency (West Virginia U.)

Forecasted growth and decline in college-going students, 2012-2029



## Teaching?



**General Dedication** 

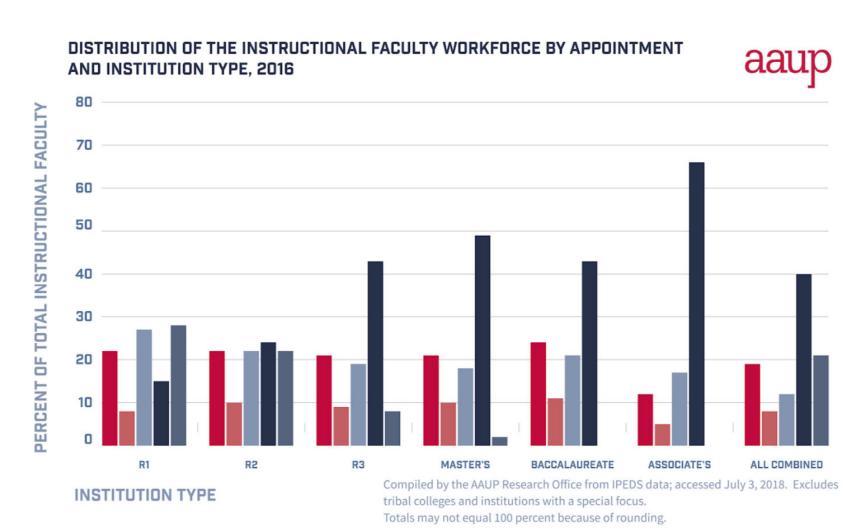
"DBER": Discipline-Based Education Research

"Professors of Practice"

#### **Tenure Numbers**

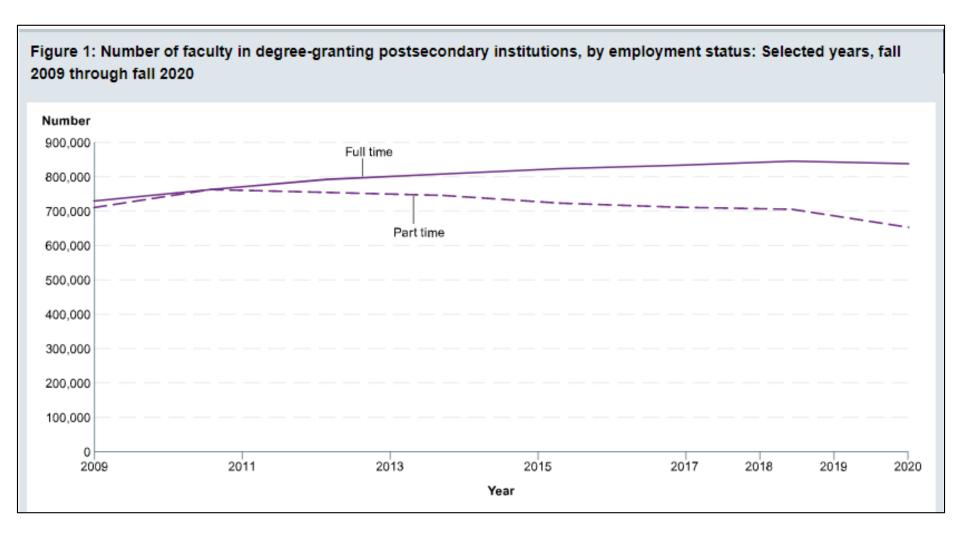
**TENURED** TENURE-TRACK **FULL-TIME** NON-TENURE-TRACK **PART-TIME GRADUATE EMPLOYEE** 





**AAUP 2016** 

## **Change in Status: Fewer Part Time**



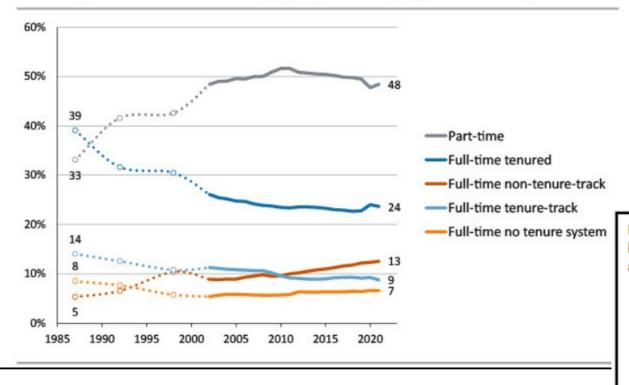
National Center for Education Statistics, 2021

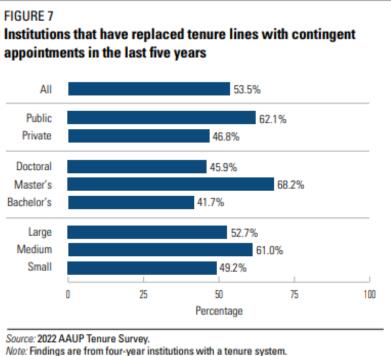
## **Change in Status: Fewer Tenured**

#### FIGURE 1

The US academic workforce has shifted from mostly full-time tenured or tenuretrack faculty to mostly contingent faculty.

Percentage of total number of faculty, by appointment type, fall 1987 through fall 2021

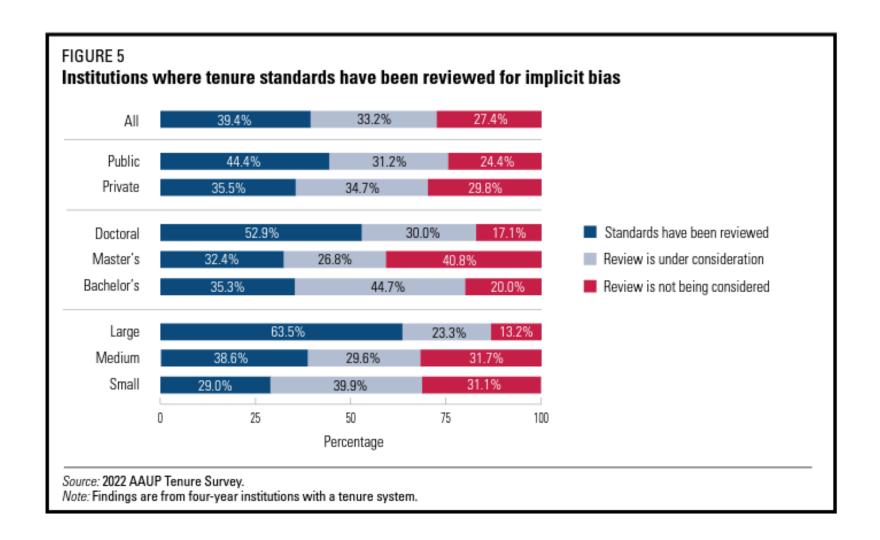




## **Diversity?**

Figure 3: For each academic rank, percentage distribution of full-time faculty in degree-granting postsecondary institutions, by race/ethnicity and sex: Fall 2020 Academic rank 39 Total Professor 51 Associate professor 39 Assistant professor 32 Instructor 32 Lecturer 34 0 10 20 30 40 50 60 70 80 90 100 Percent White male Black male Hispanic male Asian/Pacific Islander male American Indian/Alaska Native White female Black female Hispanic female Asian/Pacific Islander female Two or more races # Rounds to zero.

## **Diversity?**



## **Large Change or Remove Tenure**

- Florida
- Georgia
- California
- South Carolina
- Iowa
- Wisconsin

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# Who do you need to watch out for? Who do you need to help?

You can put your answer on the Workshop Google Doc

https://docs.google.com/document/d/1sCy0FQECDXy8EOqtlg6wqpOXrGOpRT0dp1f1PA7M-0c/edit

- Assistant Prof
- Associate Prof
- Full Professor
- Chair
- Dean
- Director
- Endowed Prof
- Endowed Chair
- Emeritus Prof
- Regent
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- Grad Assistant
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