

Existing Demographic Surveys

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Existing Sources

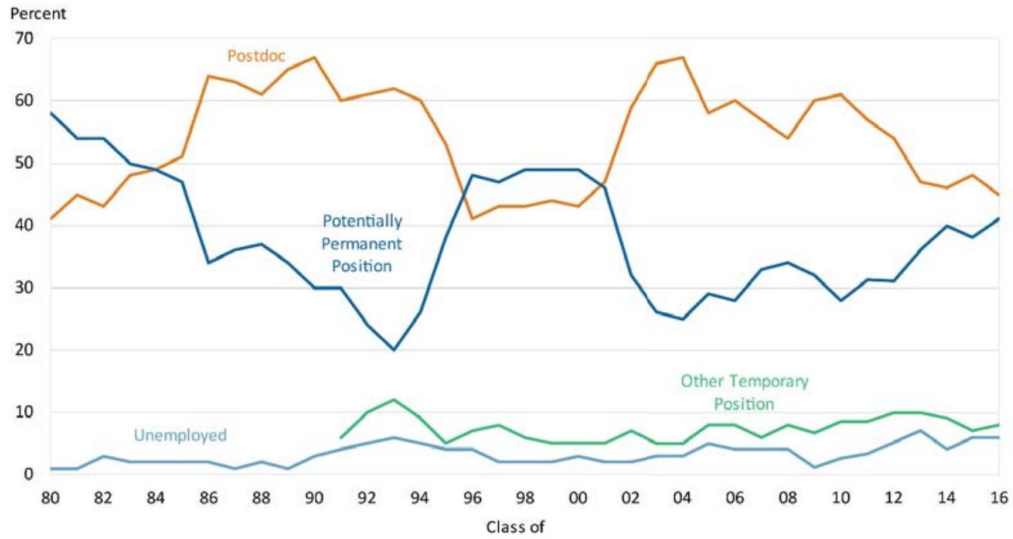
1. [Department of Education](#)
 - a. Demographics of students over time
 - b. College graduation rates
 - c. Income by major
2. [American Institute of Physics](#)
 - a. Longitudinal studies
 - b. Employment
 - c. Demographics of physics students (e.g. PhDs awarded to women)
 - d. Salaries
 - e. Which fields of physics are most popular
 - f. PhD + 10: What are PhDs doing 10 years after graduation
3. [The Chronicle of Higher Education](#)
 - a. News and commentary about higher education
 - b. Trends in higher education
 - c. Faculty salaries
4. [Survey of Earned Doctorates](#)
 - a. Similar to Department of Education data
5. [Bureau of Labor Statistics](#)
 - a. Not as in depth as AIP statistics
 - b. Salaries
 - c. Job prospects

Our Thoughts

1. First, do an analysis with existing data
 - a. This will allow us to determine what to put in the Snowmass survey.
2. Ask a few demographic questions
 - a. Gender, race, citizenship/visa
 - b. Later questions in the survey can probe issues of discrimination, etc.
3. Analysis of financial support for graduate students and postdocs.

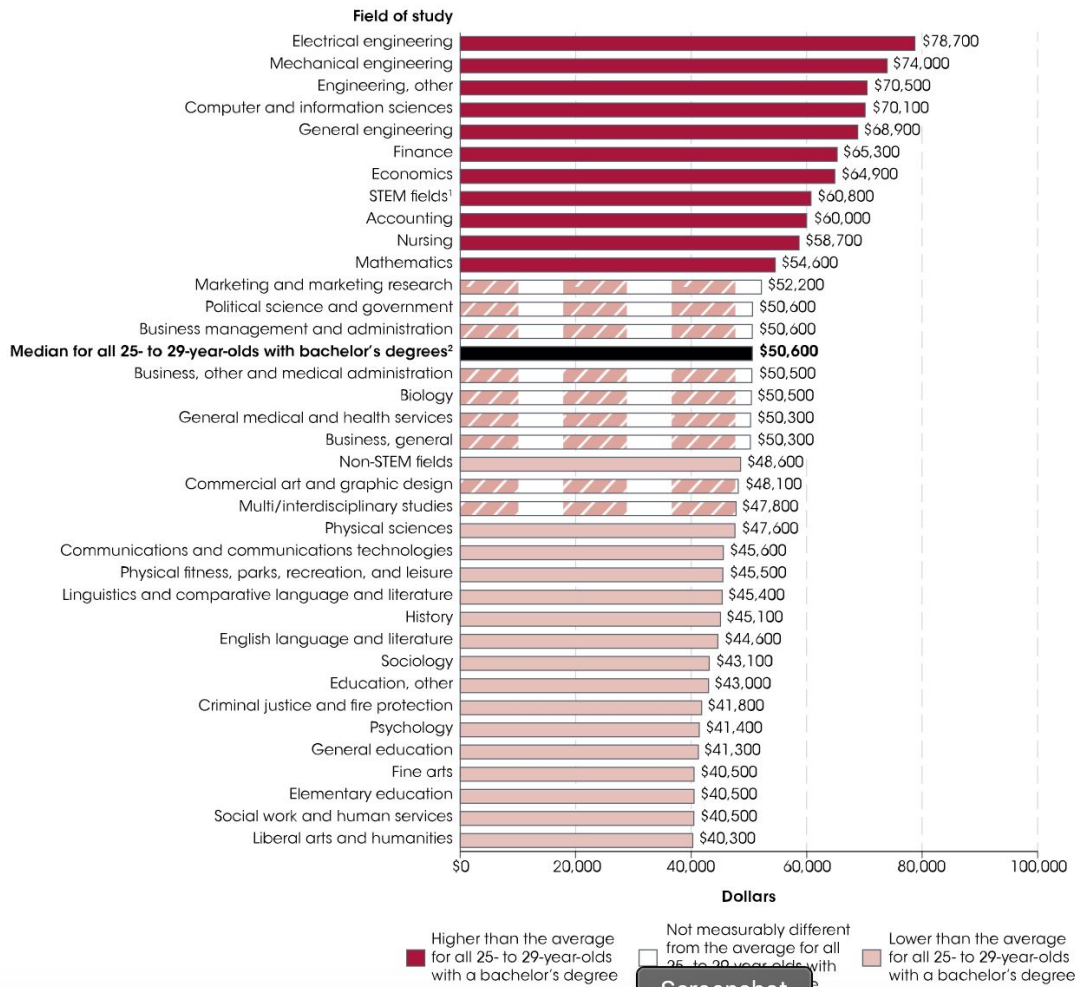
- a. Is this correlated with people staying in the field?
- 4. Provide context to our results.
 - a. Examining current events, policies
 - b. Examining trends in higher education overall
 - c. Examining salary trends and employment opportunities both inside and outside the field.

Initial Employment of Physics PhDs, 1979 through 2016



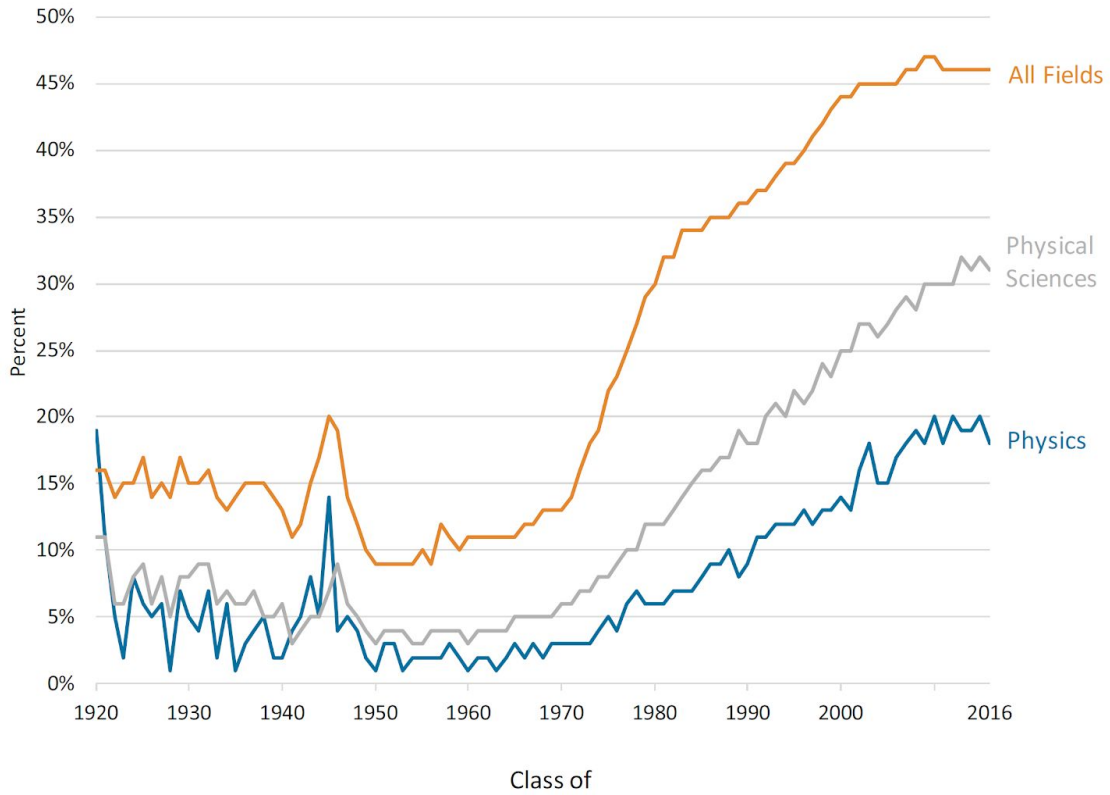
In 1991, the survey questionnaire was changed to measure "other temporary" employment as a separate category. Data are limited to PhDs who earned their degrees from a US university and remained in the US.

Figure 1. Median annual earnings of 25- to 29-year-old bachelor's degree holders, by selected fields of study: 2018



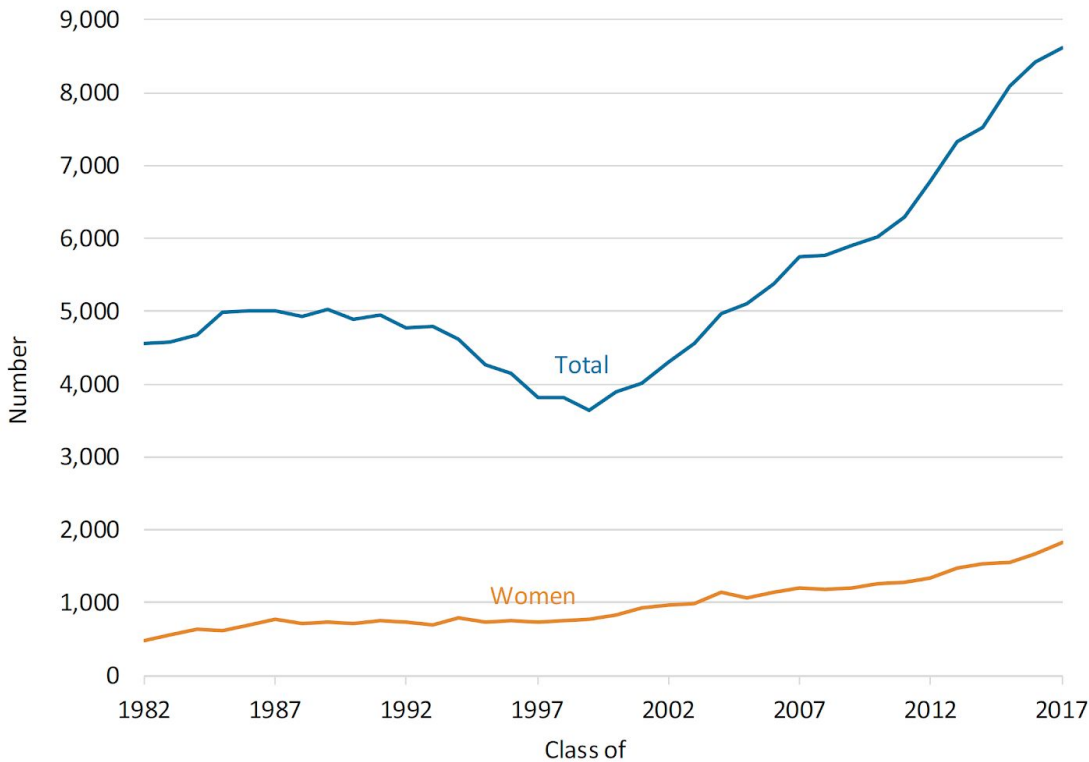
Screenshot

Percent of PhDs Awarded to Women in Specified Fields, Classes of 1920 through 2016



Source: National Science Foundation, National Center for Science and Engineering Statistics.
Data Compiled by AIP Statistical Research Center.

Number of Bachelor's Degrees Earned in Physics, Classes 1982 through 2017



Source: AIP Statistical Research Center, Enrollments and Degrees Survey.