

You've made it to
the end of your
first semester
and...

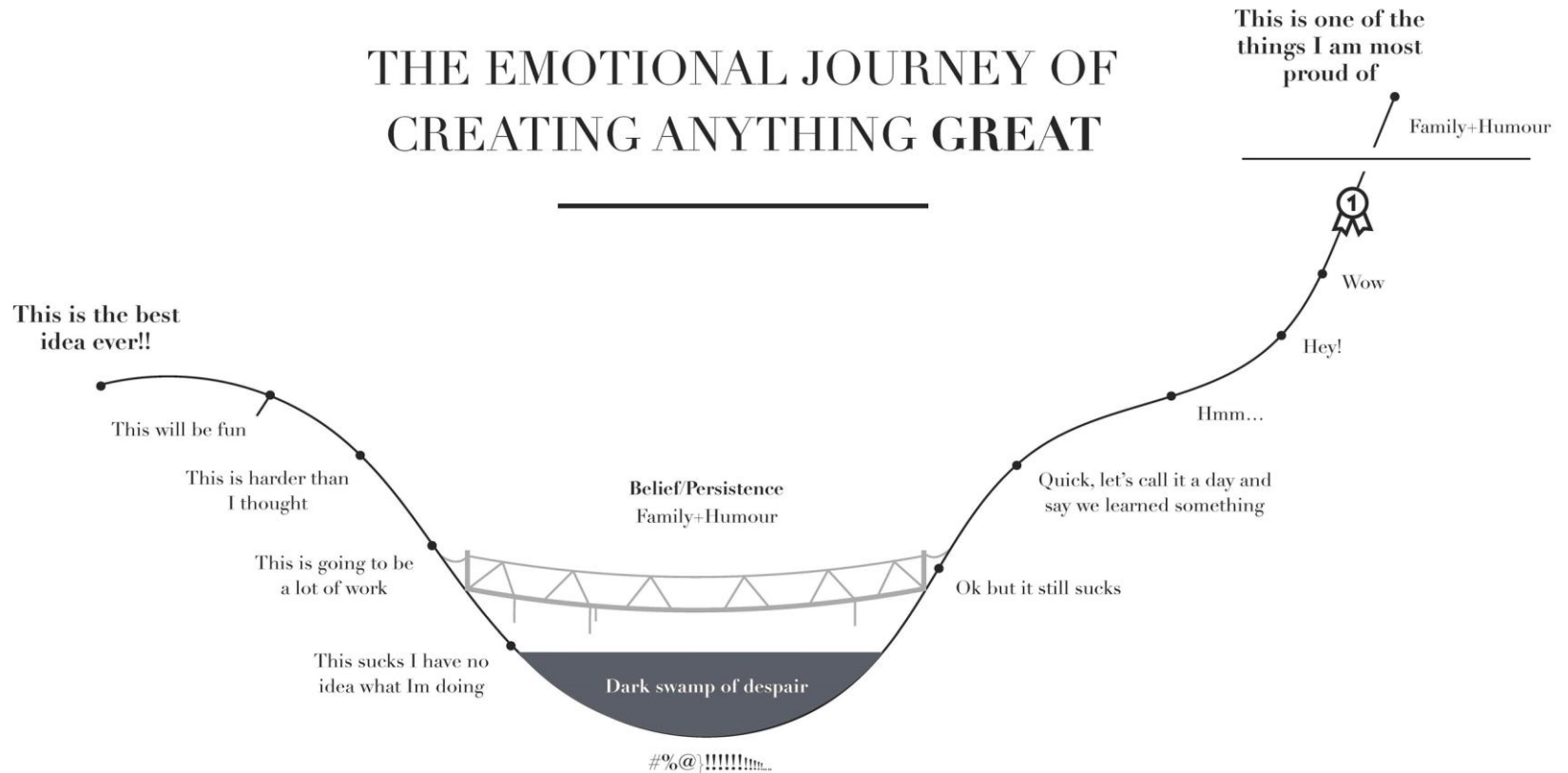
You are doing
something

GREAT!



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THE EMOTIONAL JOURNEY OF CREATING ANYTHING GREAT



THE EMOTIONAL JOURNEY IS INEVITABLE AND PERHAPS NECESSARY

<https://personalexcellence.co/blog/emotional-journey-creating-infographic/>

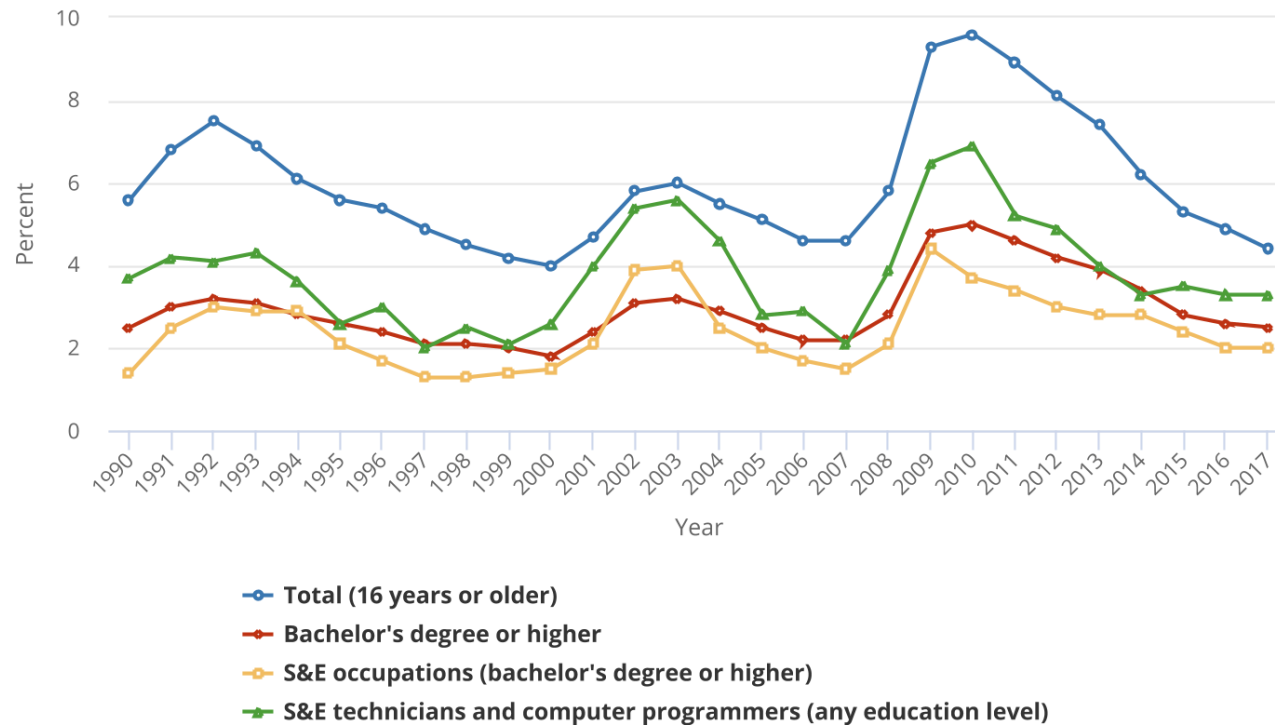
Salaries in selected science & technology fields 2017

	Mean annual salary	Growth rate from 2014
All US employment	\$50,260	2.3%
Science & engineering	\$91,510	2.1%
Computer science	\$89,780	2.3%
Life sciences	\$86,290	2.0%
Physical sciences	\$89,560	1.7%
Social sciences	\$82,410	3.0%
Engineers	\$98,820	1.6%
Technology	\$88,940	2.6%

Source: NSF Science & Engineering Indicators (2020)

FIGURE 3-13

Unemployment rate, by selected groups: 1990–2017

**Note(s)**

Please see the Science and Engineering Labor Force Technical Appendix for definitions of S&E occupations and S&E technicians and computer programmers.

Source(s)

National Bureau of Economic Research, Merged Outgoing Rotation Group files, 1990–2017; Bureau of Labor Statistics, Current Population Survey (CPS).

Science and Engineering Indicators

Go to Poll Everywhere to respond to this poll:
<https://PollEv.com/kentholsinge713>

What is your long-term career goal?

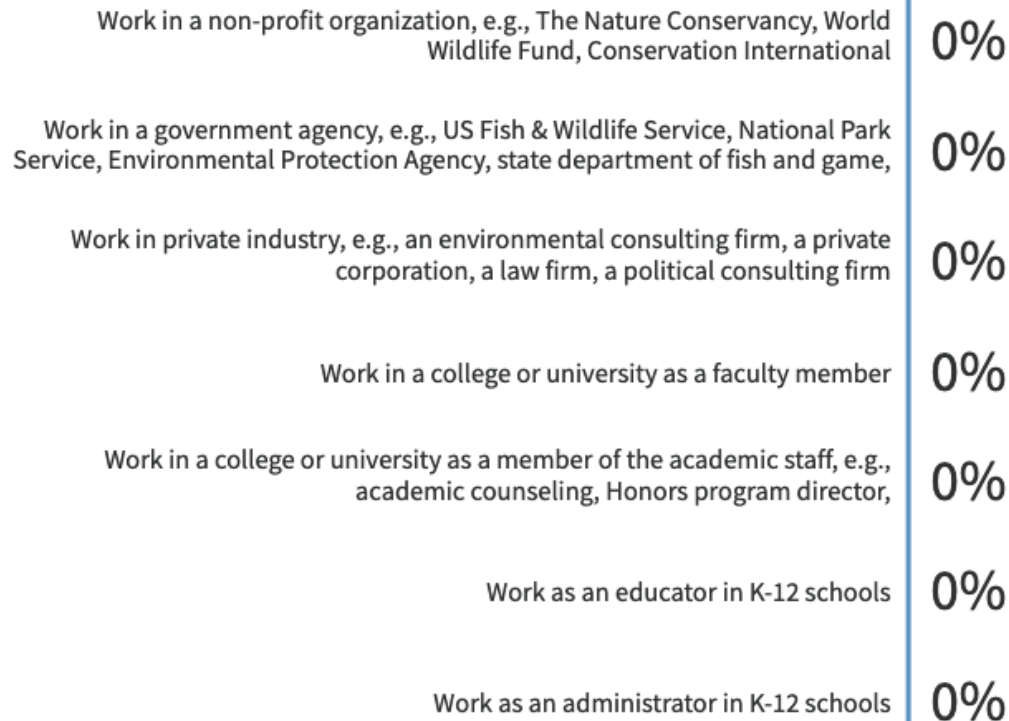
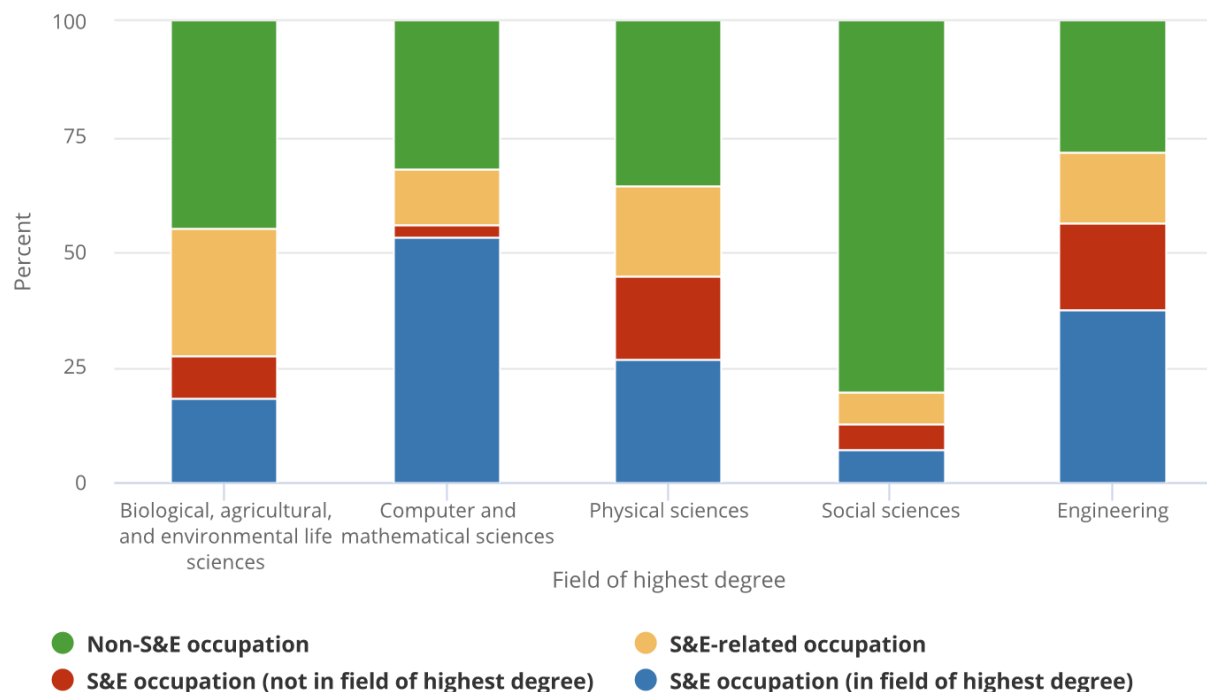


FIGURE 3-7

Occupational distribution of S&E highest degree holders, by field of highest degree: 2017

**Note(s)**

Detail may not add to total because of rounding. For each broad S&E highest degree field, S&E occupation (in field of highest degree) includes individuals who report being employed in an occupation in the same broad category. For example, for highest degree holders in computer and mathematical sciences, S&E occupation (in field of highest degree) includes those who report the broad field of computer and mathematical sciences as their occupation, and S&E occupation (not in field of highest degree) includes those who report an S&E occupation other than computer and mathematical sciences occupations.

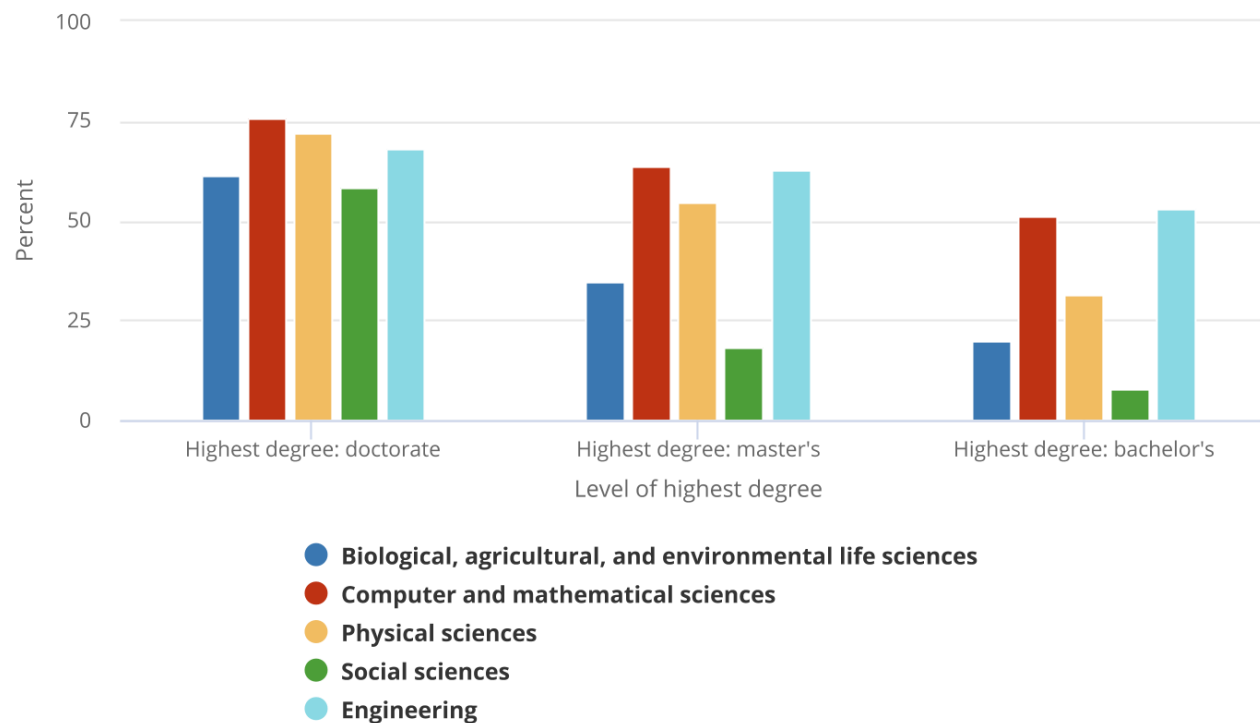
Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates (NSCG), 2017.

Science and Engineering Indicators

FIGURE 3-8

S&E degree holders working in S&E occupations, by level and field of S&E highest degree: 2017



Note(s)

Individuals may have degrees in more than one S&E degree field.

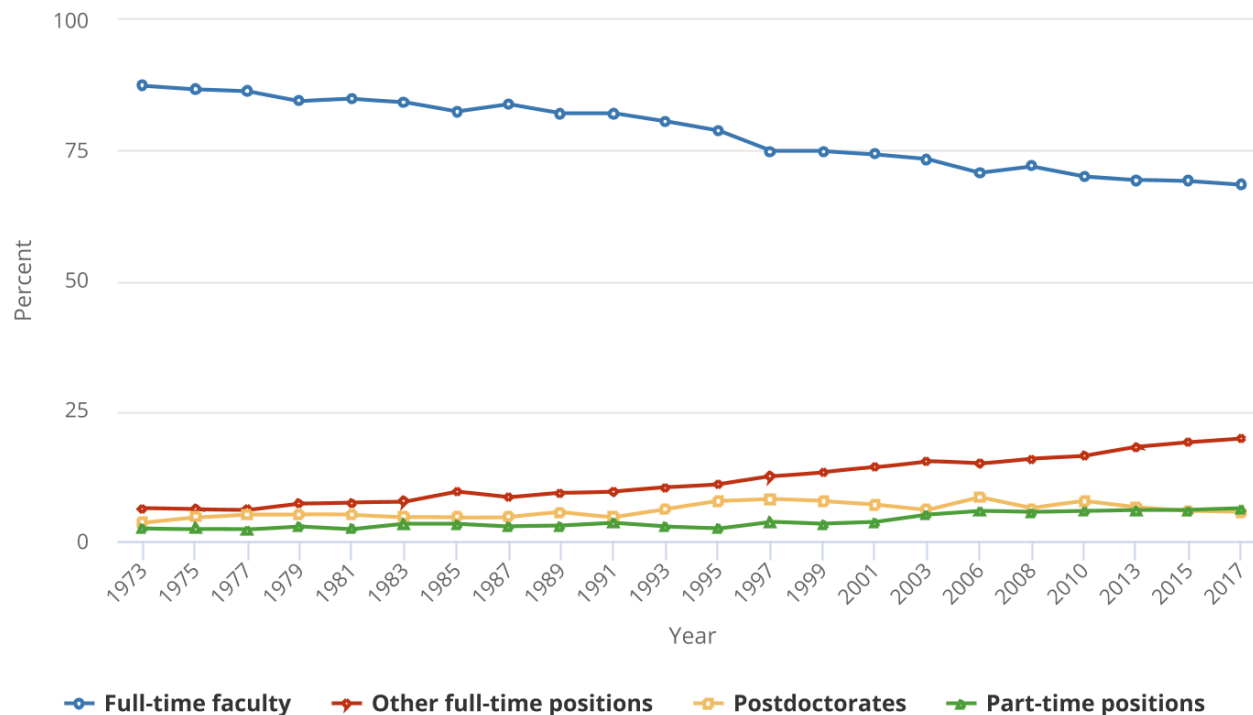
Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, National Survey of College Graduates (NSCG), 2017.

Science and Engineering Indicators

FIGURE 3-11

SEH doctorate holders employed in academia, by type of position: 1973–2017

**Note(s)**

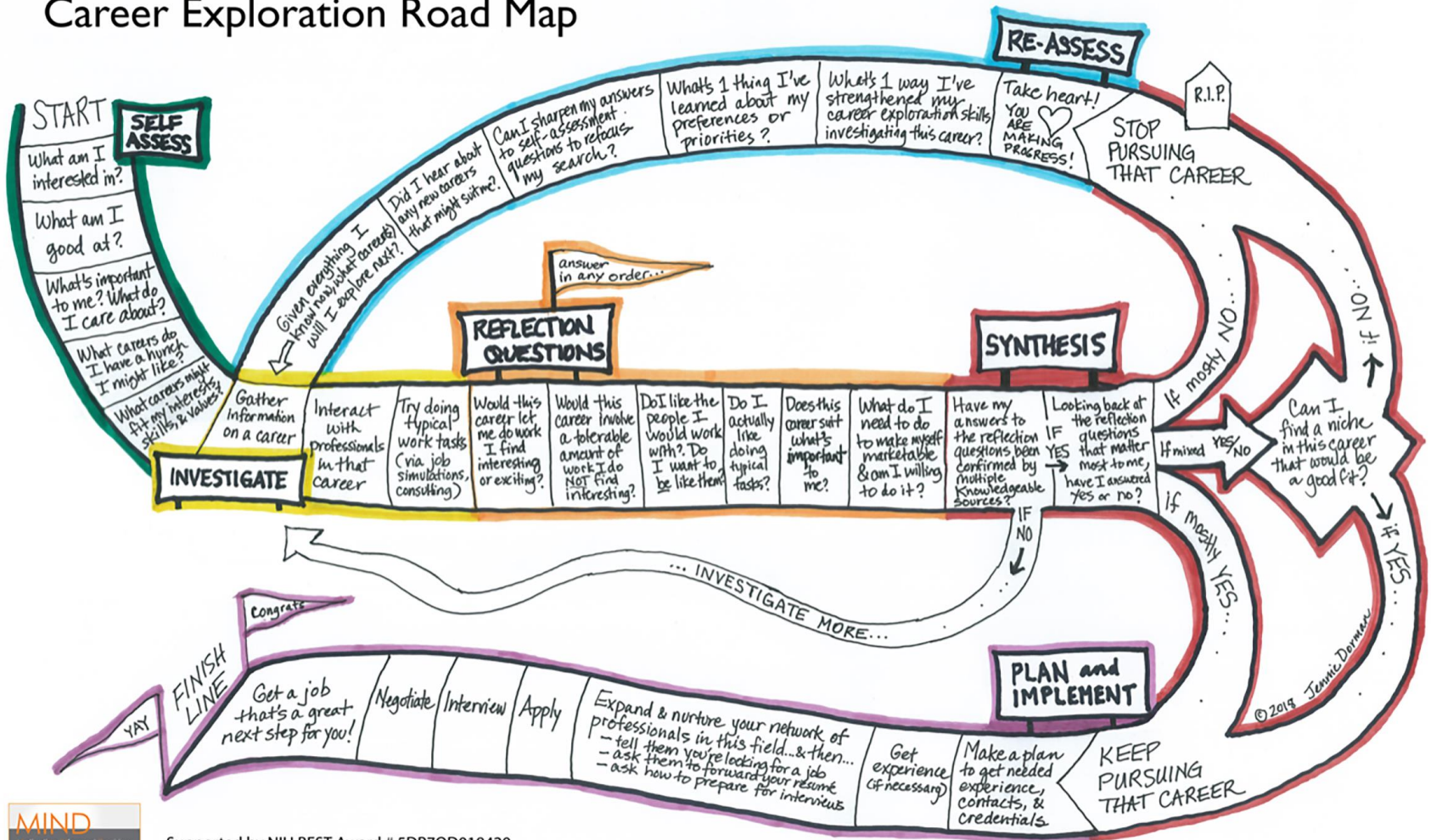
Academic employment is limited to U.S. doctorate holders employed at 2- or 4-year colleges or universities, medical schools, and university research institutes. Full-time faculty includes full, associate, and assistant professors. Other full-time positions include positions such as research associates, adjunct appointments, instructors, lecturers, and administrative positions. Part-time positions exclude those held by students or retired people. Percentages may not add to 100% because of rounding.

Source(s)

National Center for Science and Engineering Statistics, National Science Foundation, Survey of Doctorate Recipients (SDR).

Science and Engineering Indicators

Career Exploration Road Map



Supported by NIH BEST Award # 5DP7OD018420

<https://mind.ucsf.edu/article/mind-career-exploration-road-map>



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Chaos theory of Careers

[*Journal of Vocational Behavior* 71:375-400; 2007](#)

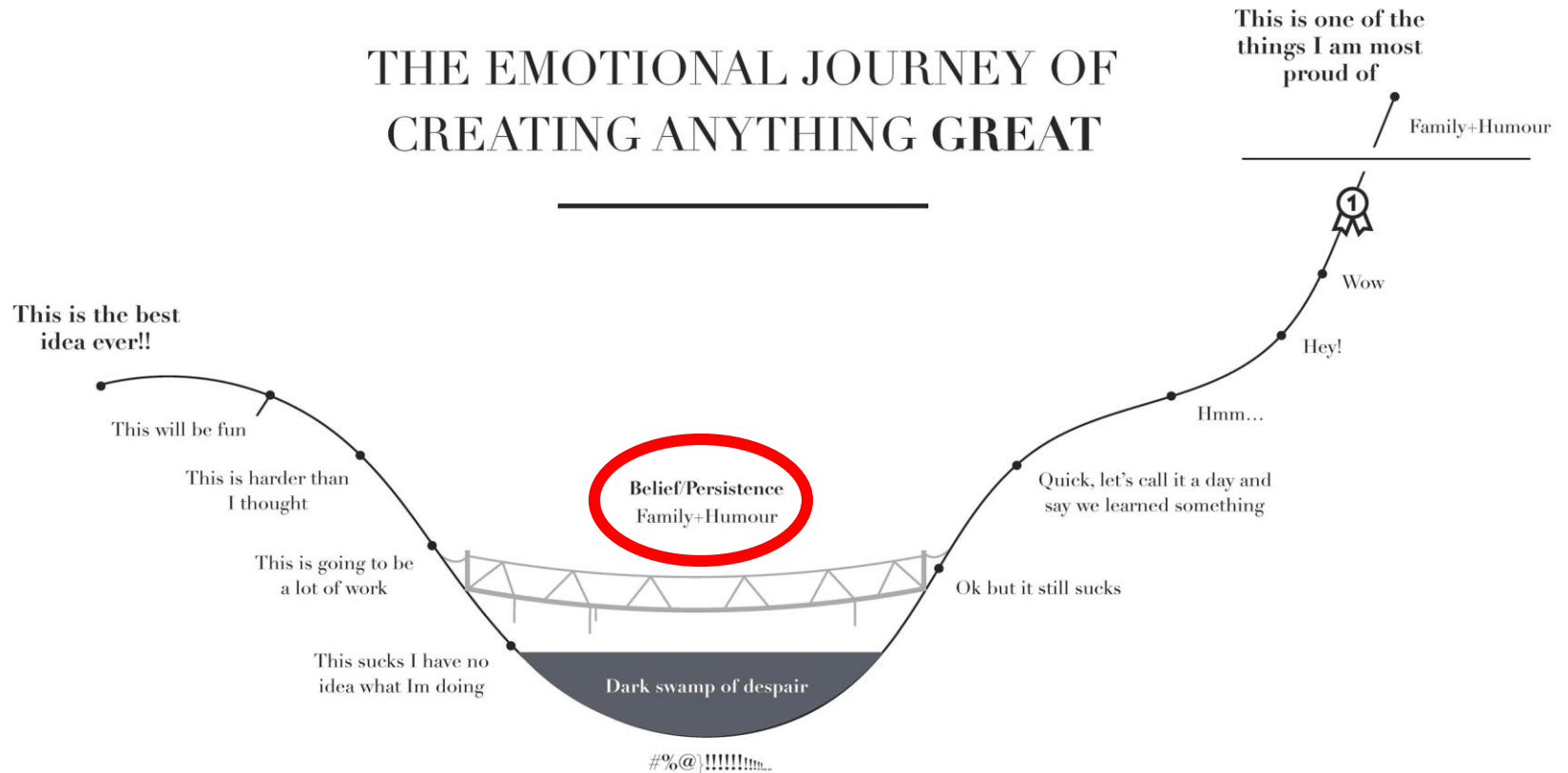
Closed systems thinking

- Nothing unexpected happens
- Life should be fair
- Linearity of change
- Confidence in order
- Exceptions are errors
- Limited response to change

Open systems thinking

- The unexpected will happen
- Life has no guarantees
- Change is non-linear
- Shifts happen
- Exceptions may be significant
- Creative response to change

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THE EMOTIONAL JOURNEY IS INEVITABLE AND PERHAPS NECESSARY

<https://personalexcellence.co/blog/emotional-journey-creating-infographic/>

Find mentors

- Your major advisor (for sure)
- *BUT* not only your major advisor

Productive struggle

- Learning is high, emotions low
- Judged retrospectively

The Academic JOB Search Handbook

Fifth Edition

Julia Miller Vick
Jennifer S. Furlong
Rosanne Lurie

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Posted on **November 7, 2013** by [Meghan Duffy](#)

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Useful links related to tenure track job searches in ecology (last update July 2019)

<https://dynamicecology.wordpress.com/2013/11/07/useful-links-related-to-tenure-track-job-searches-in-ecology/>



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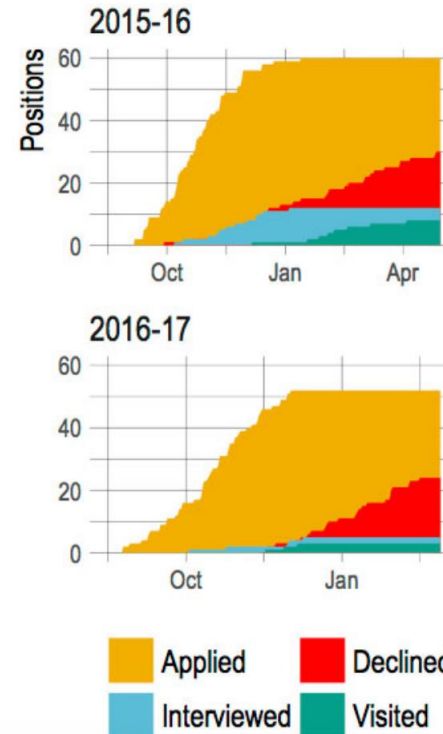
Two years to the tenure track

One evolutionary biology postdoc looks for a faculty job

In total ...



Day by day



<https://chroniclevitae.com/news/1775-i-found-a-tenure-track-job-here-s-what-it-took>

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—Victoria A. Blodgett, assistant dean, Graduate and
Postdoctoral Affairs, University of Connecticut

THE PROFESSOR IS IN



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KAREN KELSKY, PH.D.



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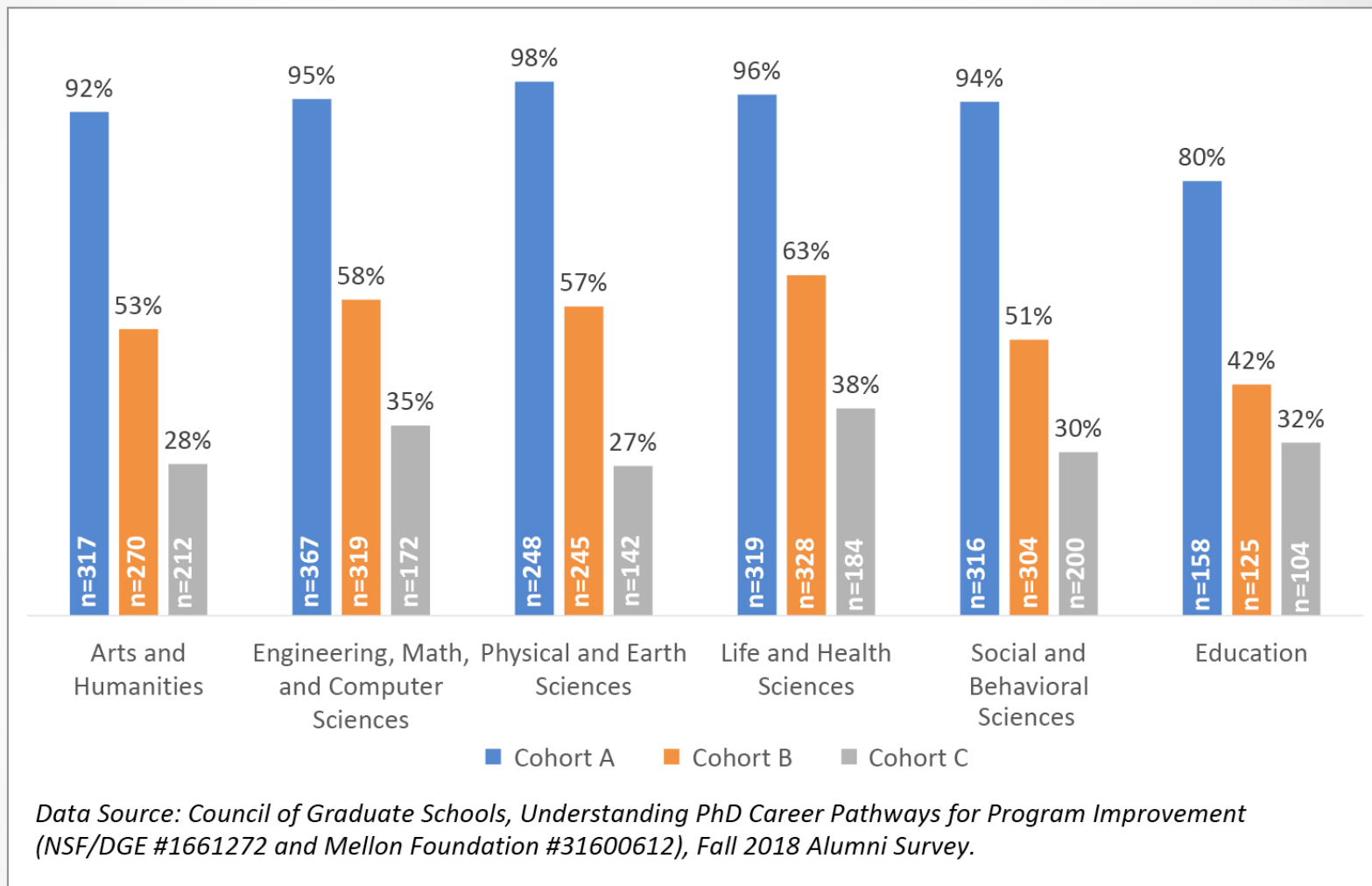


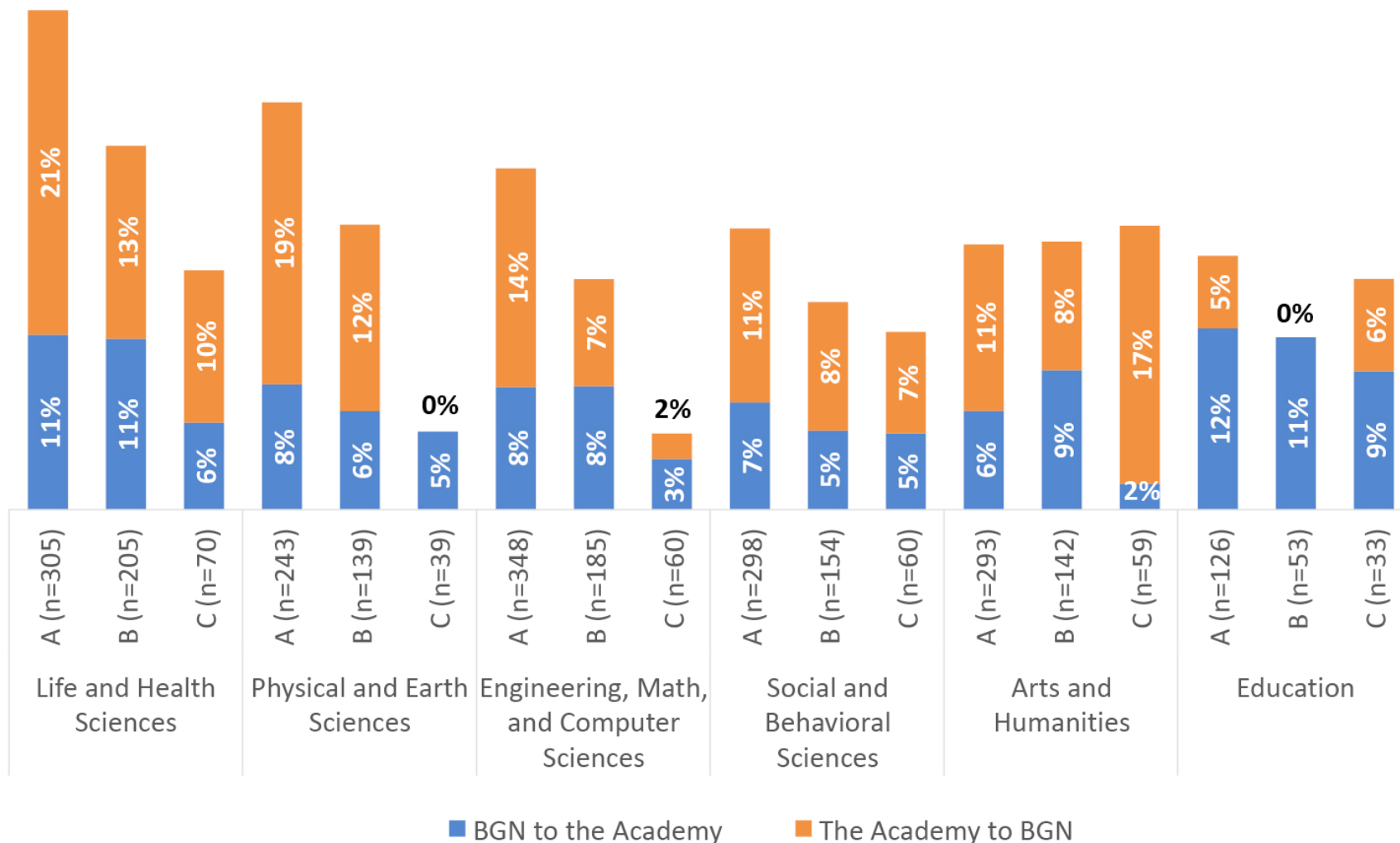
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The versatile PhD



Share of PhD holders who started their current jobs in the last 3 years





Data Source: Council of Graduate Schools, Understanding PhD Career Pathways for Program Improvement (NSF/DGE #1661272 and Mellon Foundation #31600612), Fall 2018 Alumni Survey.