

## Building better STEM learning environments for women

This is the data on the first three slides of the presentation, plus data for other STEM fields for comparison. The should be used carefully, however, because the NSF data counts every person only once; when someone indicates Hispanic/Latino heritage, they are not included in a racial category. The census data, however, counts those who indicate Hispanic heritage twice—in both the Hispanic category and a racial category.

US Citizens and residents, 2010: Percent women

|                         | White | Black | Hispanic/<br>Latino | Asian | Other/<br>unknown | American<br>Indian |
|-------------------------|-------|-------|---------------------|-------|-------------------|--------------------|
| US citizens & residents | 39.59 | 6.82  | 8.05                | 2.57  | 1.26              | 0.60               |

Bachelor's degrees 2002-2012: Percent women

|                              | White | Black | Hispanic/<br>Latino | Asian | Other/<br>unknown | American<br>Indian |
|------------------------------|-------|-------|---------------------|-------|-------------------|--------------------|
| Bachelor's degree recipients | 38.66 | 6.13  | 5.26                | 3.60  | 3.61              | 0.42               |
| Biological sciences          | 37.79 | 5.47  | 4.89                | 8.76  | 3.15              | 0.40               |
| Chemistry                    | 30.86 | 5.24  | 4.18                | 6.97  | 2.51              | 0.34               |
| Math                         | 31.78 | 2.93  | 2.75                | 4.37  | 2.34              | 0.20               |
| Computer science             | 9.99  | 4.27  | 1.75                | 2.90  | 2.09              | 0.16               |
| Engineering                  | 11.81 | 1.47  | 1.90                | 3.00  | 0.96              | 0.11               |
| Physics                      | 15.01 | 1.07  | 1.03                | 1.52  | 1.61              | 0.13               |

Master's degrees 2002-2012: Percent women

|                     | White | Black | Hispanic/<br>Latino | Asian | Other/<br>unknown | American<br>Indian |
|---------------------|-------|-------|---------------------|-------|-------------------|--------------------|
| Master's            | 40.64 | 7.29  | 4.31                | 3.18  | 6.56              | 0.37               |
| Biological sciences | 32.52 | 3.41  | 2.84                | 5.87  | 4.22              | 0.25               |
| Chemistry           | 29.93 | 3.66  | 3.09                | 6.03  | 3.70              | 0.26               |
| Math                | 27.62 | 2.14  | 1.95                | 5.88  | 3.40              | 0.15               |
| Computer science    | 11.81 | 3.92  | 1.53                | 6.31  | 4.05              | 0.14               |
| Engineering         | 12.12 | 1.54  | 1.70                | 4.66  | 1.99              | 0.11               |
| Physics             | 15.84 | 1.08  | 1.05                | 1.86  | 2.05              | 0.10               |

PhDs 2002-2012: Percent women

|                  | White | Black | Hispanic/<br>Latino | Asian | Other/<br>unknown | American<br>Indian |
|------------------|-------|-------|---------------------|-------|-------------------|--------------------|
| All PhDs         | 37.67 | 4.13  | 3.09                | 4.36  | 1.82              | 0.25               |
| Biology          | 36.97 | 2.36  | 2.97                | 6.81  | 1.80              | 0.16               |
| Chemistry        | 26.41 | 1.91  | 2.16                | 4.84  | 1.13              | 0.05               |
| Math             | 21.21 | 1.27  | 1.10                | 4.45  | 1.09              | 0.04               |
| Computer science | 13.70 | 1.41  | 0.66                | 5.34  | 0.82              | 0.01               |
| Engineering      | 15.04 | 1.36  | 1.43                | 4.99  | 0.95              | 0.06               |
| Physics          | 13.27 | 0.48  | 0.71                | 2.47  | 0.82              | 0.04               |

National Science Foundation. (2015). Science and engineering degrees, by race/ethnicity of recipients: 2002-12.

Detailed statistical tables NSF 15-321. Retrieved December 3, 2015

<http://www.nsf.gov/statistics/2015/nsf15321/>

U.S. Census Bureau, P. D. (2015). Annual Estimates of the Resident Population by Sex, Age, Race, and Hispanic Origin for the United States and States: April 1, 2010 to July 1, 2014. Retrieved January 8, 2015

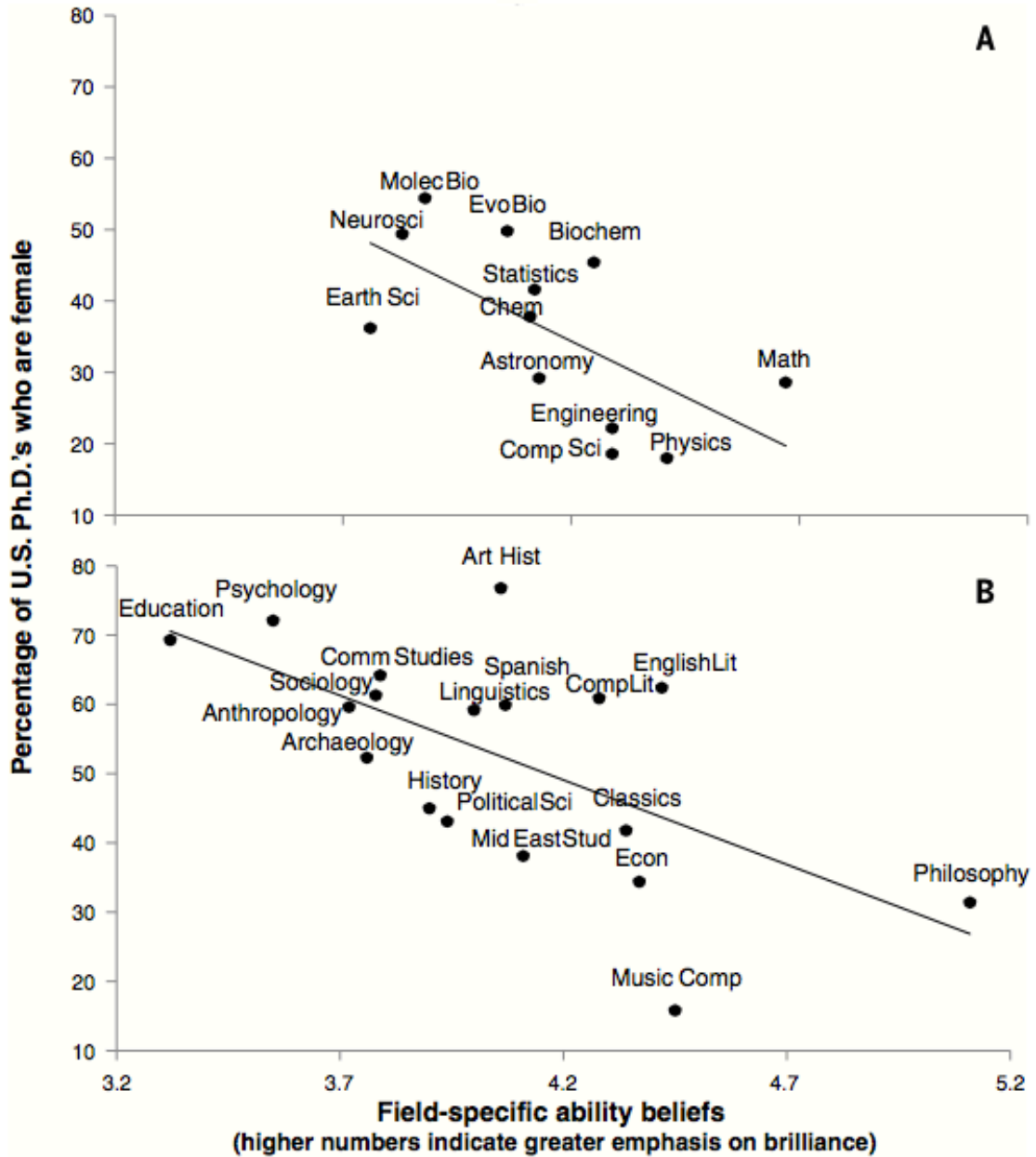
<http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>

U.S. Department of Education. Integrated Postsecondary Education Data System (IPEDS). Retrieved January 8, 2015

<https://nces.ed.gov/ipeds/datacenter/>

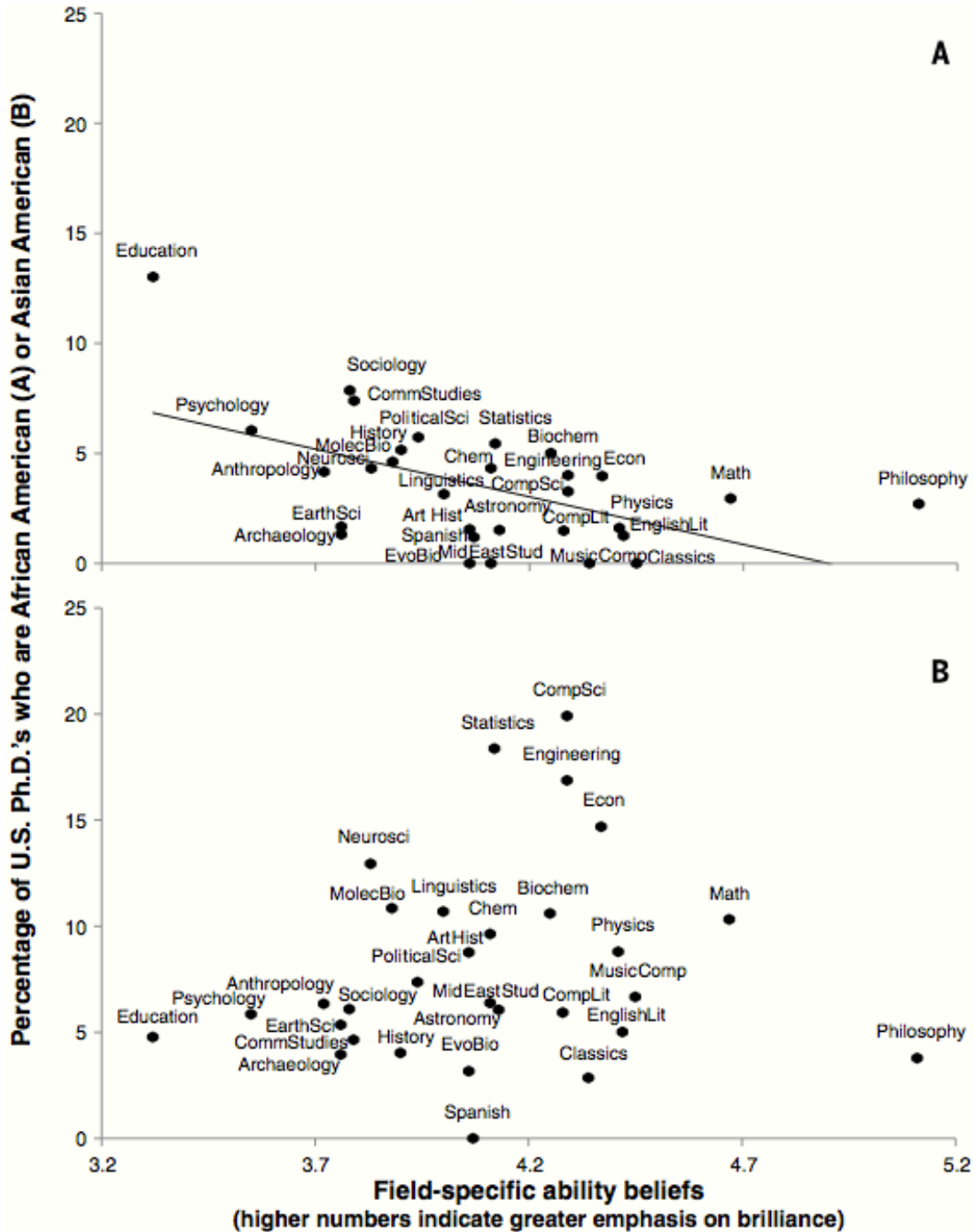
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**Fig. 1. Field-specific ability beliefs and the percentage of female 2011 U.S. Ph.D.'s in (A) STEM and (B) Social Science and Humanities.**

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**Fig. 2. Field-specific ability beliefs and the percentage of 2011 U.S. Ph.D.'s who are (A) African American and (B) Asian American.**

These images are from:  
 Leslie, S.-J., Cimpian, A., Meyer, M., & Freeland, E. (2015). Expectations of brilliance underlie gender distributions across academic disciplines. *Science*, 347(6219), 262-265.

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