



# Harvard-Smithsonian Center for Astrophysics

Science Education Department



60 Garden Street  
Cambridge, MA 02138

Spring 2016

## Post-Doctoral Fellowship in Science Education at Harvard University

### Job Description

The Post-Doctoral Fellow will analyze existing datasets and co-author research publications pertaining to several large empirical research projects. Two of the projects investigate the predictors of persistence in MOOC (Massive Open Online Course) participation, in a computer science and an astronomy MOOC, respectively. The third project is a national survey study that examines the factors leading to students' success in introductory computer science courses at the college level. The fellow's responsibilities include conducting literature searches and reviews, developing testable hypotheses, conducting statistical data analyses to test these hypotheses, and writing up the results in publishable form, under the guidance of, and in co-authorship with, senior members of the research team. The fellow will use techniques such as survival analysis, hierarchical linear modeling, propensity weighting, and factor analysis.

### Requirements

Doctoral degree in a social science, education, computer science, science/math education, or engineering education. Evidence of publication productivity in peer-reviewed journals. Strong literature review and statistical skills.

### Duration

One year; full-time.

### Contact

Please send cover letter and CV to Gerhard Sonnert at [SEDPostdoc@cfa.harvard.edu](mailto:SEDPostdoc@cfa.harvard.edu). Submission deadline is on or before Friday, February 12, 2016.

Harvard University is an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law.

