



THE UNIVERSITY OF  
**CHICAGO**

Department of Statistics

STATISTICS COLLOQUIUM

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**JEFF LEEK**

The Johns Hopkins Data Science Lab & Department of Biostatistics  
Johns Hopkins Bloomberg School of Public Health

**Data Science Education as a Scalable Economic  
and Public Health Intervention**

**MONDAY, February 25, 2019 at 4:30 PM**

Eckhart 133, 5734 S. University Avenue  
*Refreshments before the seminar at 4:00PM in Jones 111*

### ABSTRACT

We have taught data science to more than 5 million people online through our massive online open courses. But these courses have been used primarily by educated, technologically savvy early adopters. In this talk I will discuss our new effort to leverage online teaching technologies, coupled with in person support, for upskilling individuals from impoverished communities. I will highlight the ways we are leveraging new data and computing technologies like containerized cloud computing, deep learning for text to speech synthesis, and high throughput educational data analytics to make this program possible. I will also highlight the exciting role statistics and data science can play in having a major social and economic impact tackling income and education inequality.

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For further information and inquiries about building access for persons with disabilities, please contact Jonathan Rodriguez at 773.702.8333 or send him an email at [jgrodriguez@galton.uchicago.edu](mailto:jgrodriguez@galton.uchicago.edu). If you wish to subscribe to our email list, please visit the following website:  
<https://lists.uchicago.edu/web/subscribe/statseminars>.