Data scientist: qualifications and skills

Jeff Leek

@jtleek

www.jtleek.com

What does a data scientist do? Design experiments Pull and clean data Analyze data Communicate results



Variation B

What skills do they need? **Statistics (inference)** Machine learning (prediction) Data analysis Data communication

About This Specialization

Courses

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Data Science Specialization

From \$29

Enroll
Starts September 7, 2015

The Data Scientist's Toolbox

Starts September 7, 2015

COURSE 1

Commitment 1-4 hours/week

Duration 4 weeks

About the Course

In this course you will get an introduction to the main tools and ideas in the data scientist's toolbox. The course gives an overview of the data, questions, and tools that data analysts and data scientists work with. There are two components to this course. The first is a conceptual introduction to the ideas behind turning data into actionable knowledge. The second is a practical introduction to the tools that will be used in the program like version control, markdown, git, GitHub, R, and RStudio.

COURSE 2

Background of data scientists
Statistics + application + engineering
Quantitative + data science transition
Software engineering + statistics



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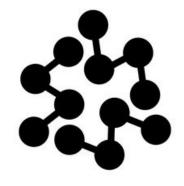
What statistics should do about big data: problem forward not solution backward

POSTED BY JEFF LEEK / UNCATEGORIZED



There has been a lot of discussion among statisticians about big data and what statistics should do to get involved. Recently **Steve M. and Larry W.** took up the same issue on their blog. I have been thinking about this for a while, since I work in genomics, which almost always comes with "big data". It is also one area of big data where statistics and statisticians have played a huge role.

A question that naturally arises is, "why have statisticians been so successful in genomics?" I think a major reason is the phrase I borrowed from **Brian C**. (who may have borrowed it from **Ron B**.)



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