Knowing when and where to get help

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We covered a tiny fraction of statistics

HOW IT WORKS COURSES SCHOOLS & PARTNERS







Statistics and R for the Life Sciences

An introduction to basic statistical concepts and R programming skills necessary for analyzing data in the life sciences.



HARVARD

About this course

8 Reviews 4/5



We will learn the basics of statistical inference in order to understand and compute p-values and confidence intervals. We will provide examples by programming in R in a way that will help make the connection

PH525 1x: Statistics and R for the Life Sciences.

PH525.2x: Introduction to Linear Models and Matrix Algebra

PH525.3x: Advanced Statistics for the Life Sciences

PH525.4x: Introduction to Bioconductor

PH525.5x: Case study: RNA-seq data analysis

PH525.6x: Case study: Variant Discovery and Genotyping

PH525.7x: Case study: ChIP-seq data analysis

PH525.8x: Case study: DNA methylation data analysis

About This Specialization

Courses

Pricing

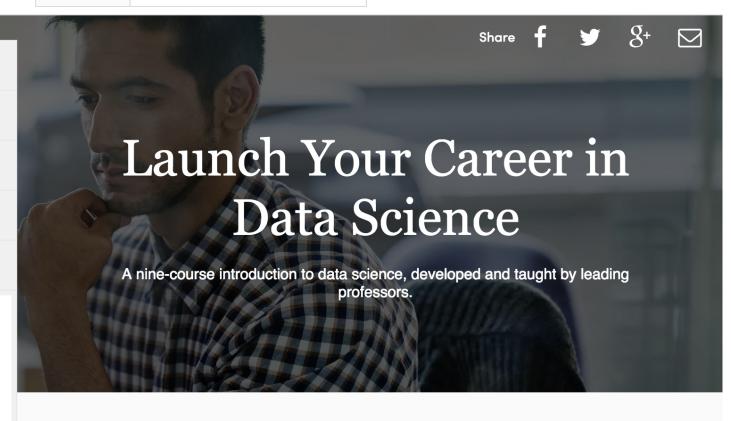
Creators

FAQs

Data Science Specialization

From \$29

Enroll
Starts September 7, 2015



About This Specialization

Ask the right questions, manipulate data sets, and create

Statistics requires lots of practice



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I'm a data scientist - mind if I do surgery on your heart?

POSTED BY JEFF LEEK / UNCATEGORIZED









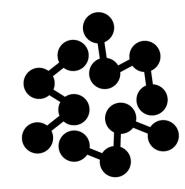






There has been a lot of recent interest from scientific journals and from other folks in creating checklists for data science and data analysis. The idea is that the checklist will help prevent results that won't reproduce or replicate from the literature. One analogy that I'm frequently hearing is the analogy with checklists for surgeons that can help reduce patient mortality.

The one major difference between checklists for surgeons and checklists I'm seeing for research purposes is the difference in credentialing between people allowed to perform surgery and people allowed to perform complex data analysis. You would never let me do surgery on you. I have no medical training at all. But I'm frequently asked to review papers that include complicated and technical data analyses, but have no trained data analysts or statisticians. The most common approach is that a



Search	Q

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It is ok to ask for help Locally

http://www.jhsph.edu/research/centers-and-institutes/johns-hopkins-biostatistics-center/



BIOSTATISTICS CENTER

Biostatistics supporting health research

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Welcome

The Johns Hopkins Biostatistics Center (JHBC) provides the latest in biostatistical and information science expertise to a wide range of clients in the Johns Hopkins Medical Institutions and beyond. We consult to health researchers at other academic health centers, pharmaceutical companies, medical research organizations, managed care organizations and government agencies. We provide a wide range of services and guidance; examples of our collaborative efforts can be found in our Center Bibliography.

Our team is comprised of Masters and PhD level statisticians and computer scientists from the Johns Hopkins Department of Biostatistics and affiliated faculty from other quantitative departments. There are also opportunities for students to be involved in the Center, with training in consulting processes, biostatistical methods, and substantive areas. For statisticians who may be interested in working with us, see our employment opportunities listed under News and Events.

We invite you to find out more about us...

Questions about statistical consulting?

REQUEST A MEETING



Our Biostatistics Center Team

Upcoming Events

Student Walk-in Clinic

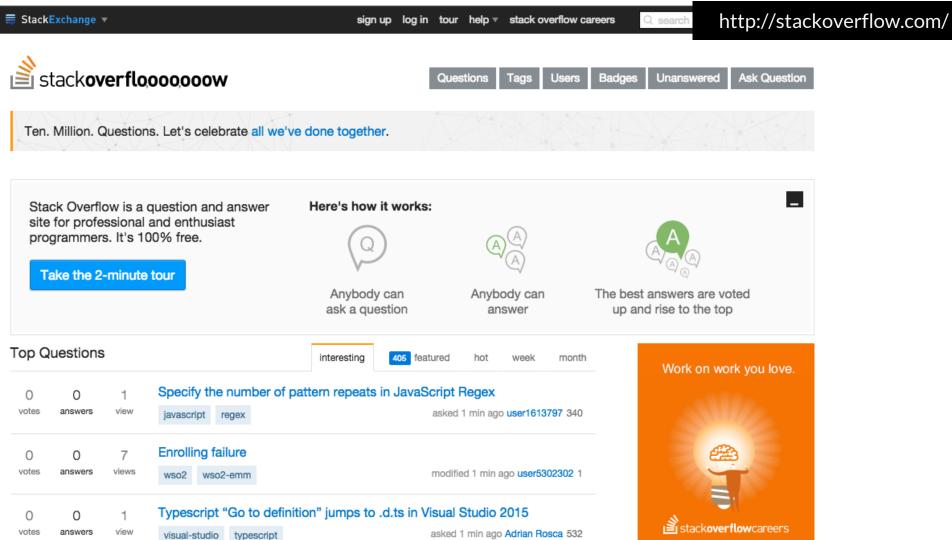
Fridays 10:30am - 12

Room E3141

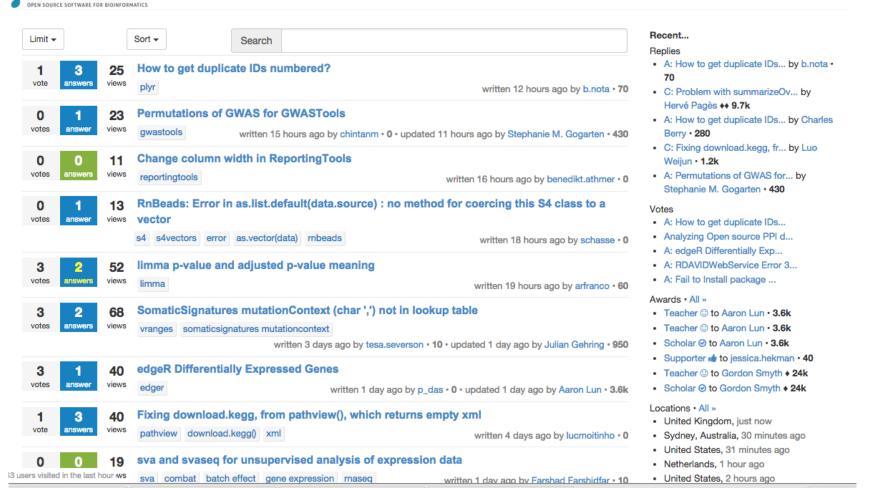
Clinic slots are limited.

Sign_in begins at

It is ok to ask for help











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slefevre			

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Title, Username, & Date	Last Post	Replies	Views	Forum		
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RNA-seq from single cells? irit	Yesterday 11:27 PM by <u>Simone78</u>	147	25,489	Sample Prep / Library Generation		
How to use GNU parallel command for running jobs in parallel Gyan_prakash	Yesterday 11:19 PM by Gyan prakash	0	29	Bioinformatics		
vcf convert to fasta, the fasta file is not an alingment file wangxueqin	Yesterday 10:36 PM by wangxueqin	1	47	Bioinformatics		
Yes today is holiday kahorohai	Yesterday 10:35 PM by <u>kahorohai</u>	0	14	Introductions		
Normalizing mutation counts by Gene size Kotoro	Yesterday 09:11 PM by Kotoro	1	54	Bioinformatics		





0-11 Sept 2015