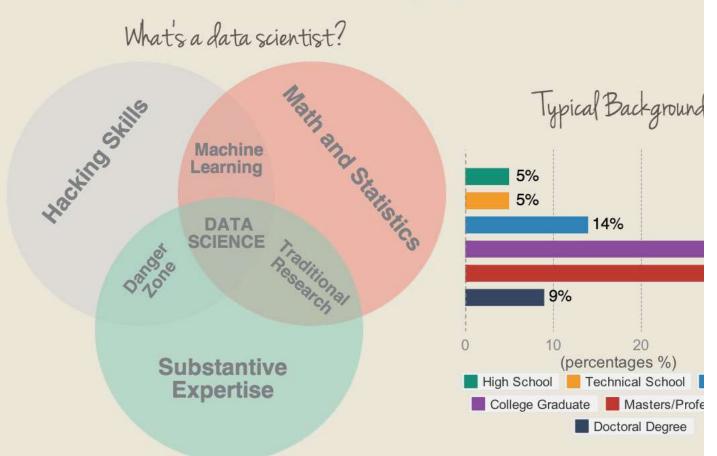


Become a



# Data Scienti





1

A data scientist is someone who is better at statistics than any sol engineer and better at software engineering than any statisticia

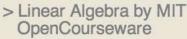
Get good at stats, math and machine learning

2 Learn to code

math



> Math Track of Khan Academy





Stats



> Intro to Statistics by Udacity

> OpenIntro Statistics





ml



> Machine Learning by Andrew NG (Stanford Online)

> Practical Machine Learning by John Hopkins (Coursera)



Computer Science Fu > CS50x on edx



Grasp end-to-end development
The things you build will be integrated
into other systems



sas



python

Oroose a first langu > Open Source: R, Ry-> Commercial: SAS



Learn Interactively

> R: DataCamp, try R

> Python: Codecademy, Google Class

## **1** Understand databases

As a data scientist student, you will often work with data in text files. However, once you enter the industry, a database is almost always used to store data. It's going to be stored in MySQL, Postgres, MongoDB, Cassandra, etc.



Master data munging visualization and repo





WHAT

Data munging is the process of converting one "raw" form into another format for more convenient consumption

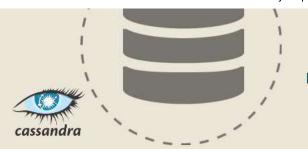


TOOL

> Getting and by John Ho

DataWrai











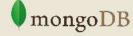
data.

WHAT

TOOL

Data visualization involves the creation and study of the visual representation of





Learn more on databases via:











WHAT

In every data analysis, putting the analysis and the results into a comprehensible report is the final hurdle to take.



TOOL







## **Level up with Big Data**

When you start operating with data at the scale of the web, the fundamental approach analysis must change. Most data scientists are working on problems that can't be run machines. They have large data sets that require distributed processing.

Hadoop is an opensource software framework for storage and large-scale processing of data-sets on clusters of commodity hardware.



### MapReduce



MapReduce is this programming paradigm that allows for massive scalability across the servers in a Hadoop cluster

Apache Spark speedy Swiss is a fast-runnin analysis syster provides real-ti processing fund Hadoop.



## Get experience, practice and meet fellow data scientists

Practice makes perfect ...







Join in competitions



Meet fellow data scientists



Have a pet

In.

> Na > di

## Internship, bootcamp or get a job

The best way to find out whether you are a true data scientist or not is to take the bull by the horns and to enter the real-life jungle of dataanalysis and science with your freshly acquired skill set.

Interns

BEGINNER



INTERMEDIATE



**ADVANCED** 







## Follow and engage wi the community

Sites to follow

- > DataTau
- > Kdnuggets
- > fivethirtyeight
- > datascience101
- > r-bloggers





DataCamp Learn data analysis for free, interactively

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