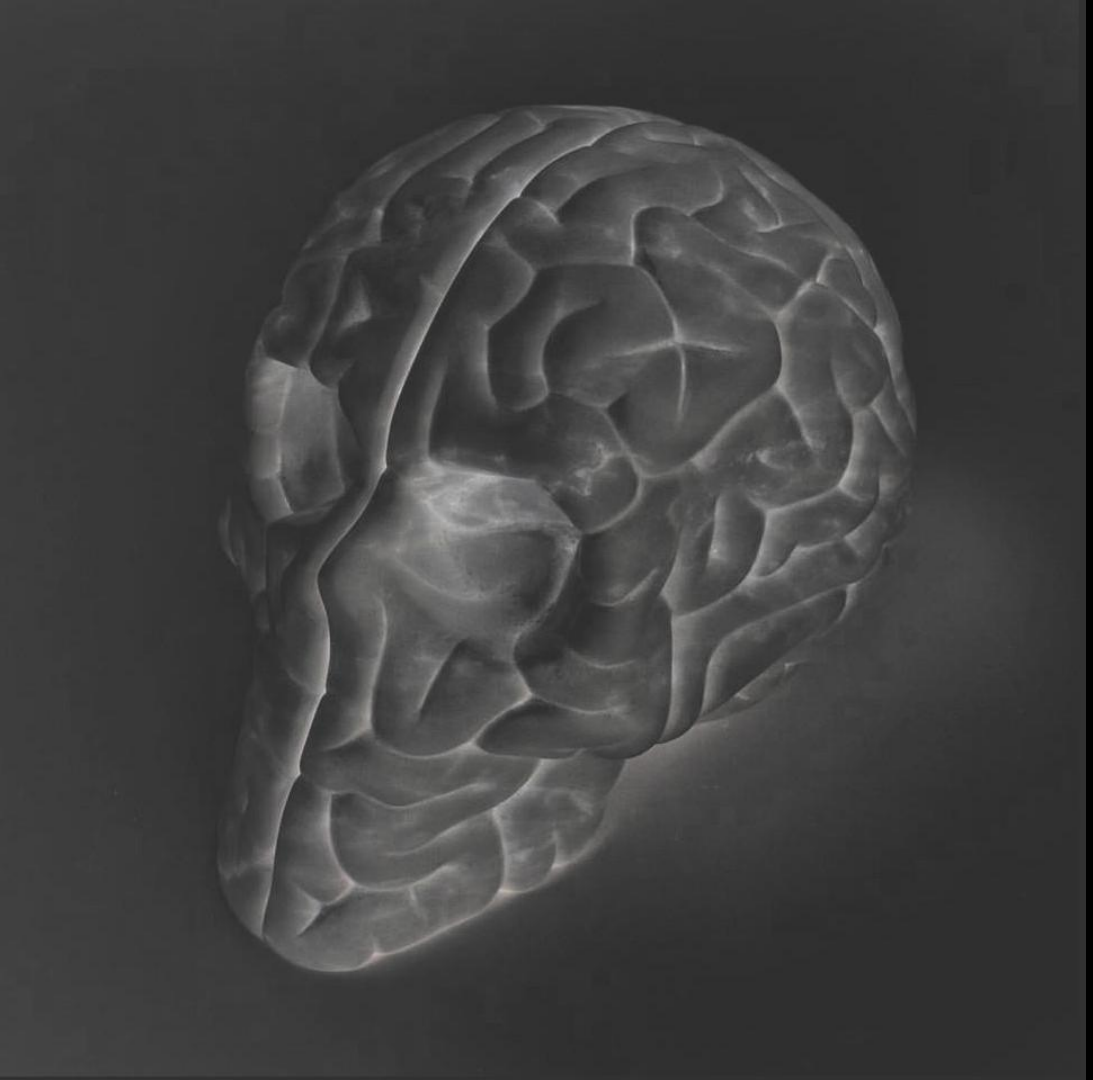
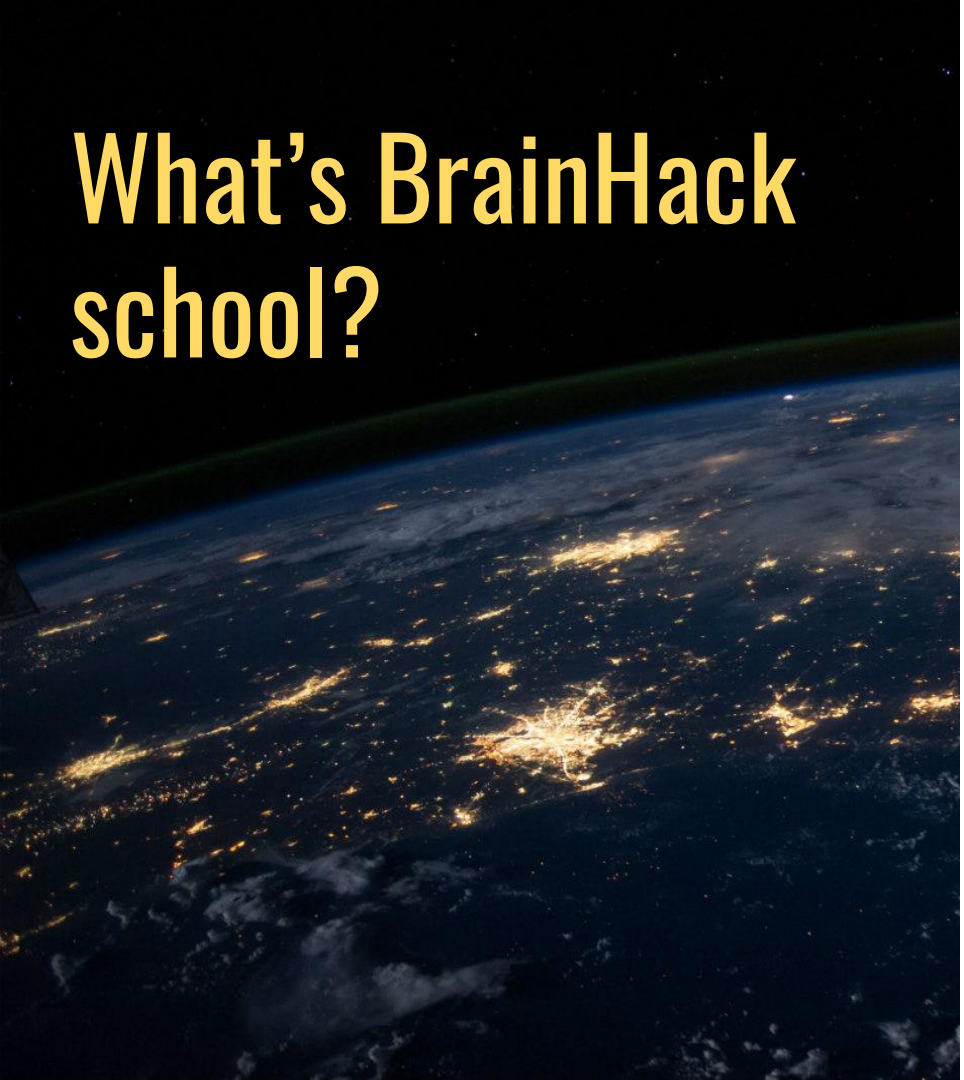


Welcome to BrainHack School MtI 2018!!

May 14th-June 1st, 2018

What's BrainHack school?



Jake VanderPlas
@jakevdp

Following

My advice on learning Python:

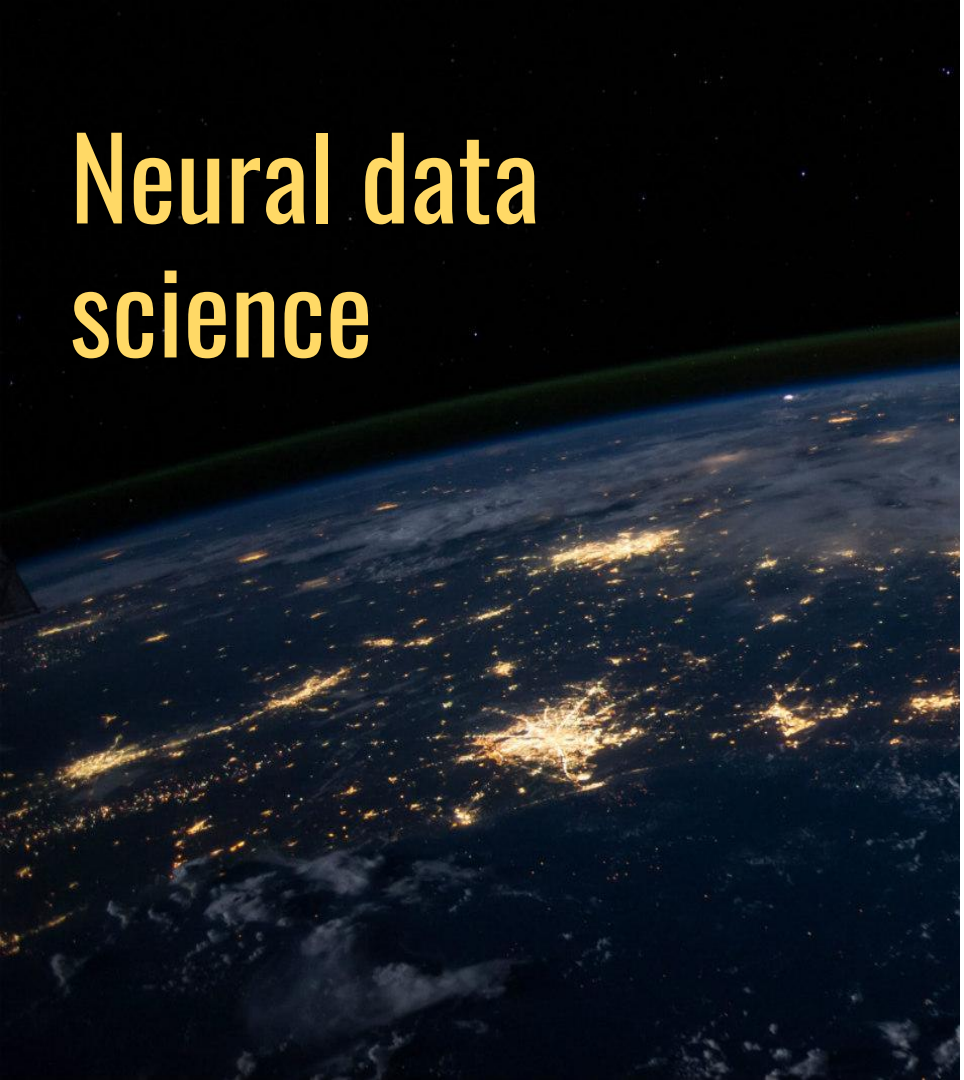
Don't set out to "learn Python". Choose a problem you're interested in and learn to solve it with Python.

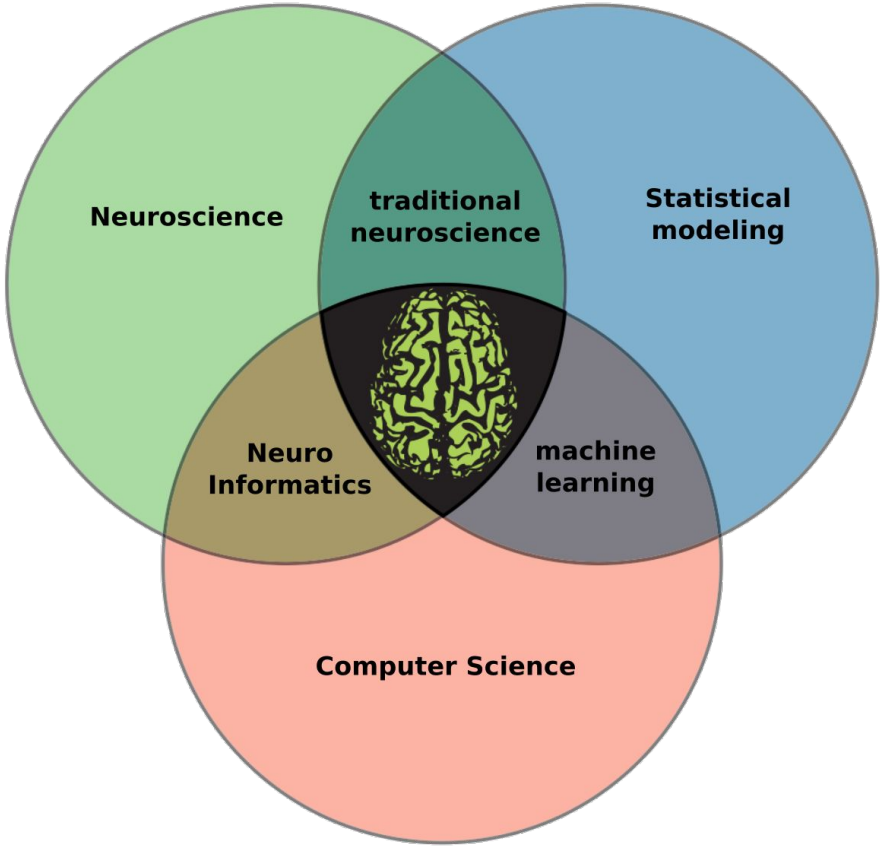
8:24 AM - 10 Sep 2017

2,932 Retweets **8,810** Likes

201 2.9K 8.8K

Neural data science

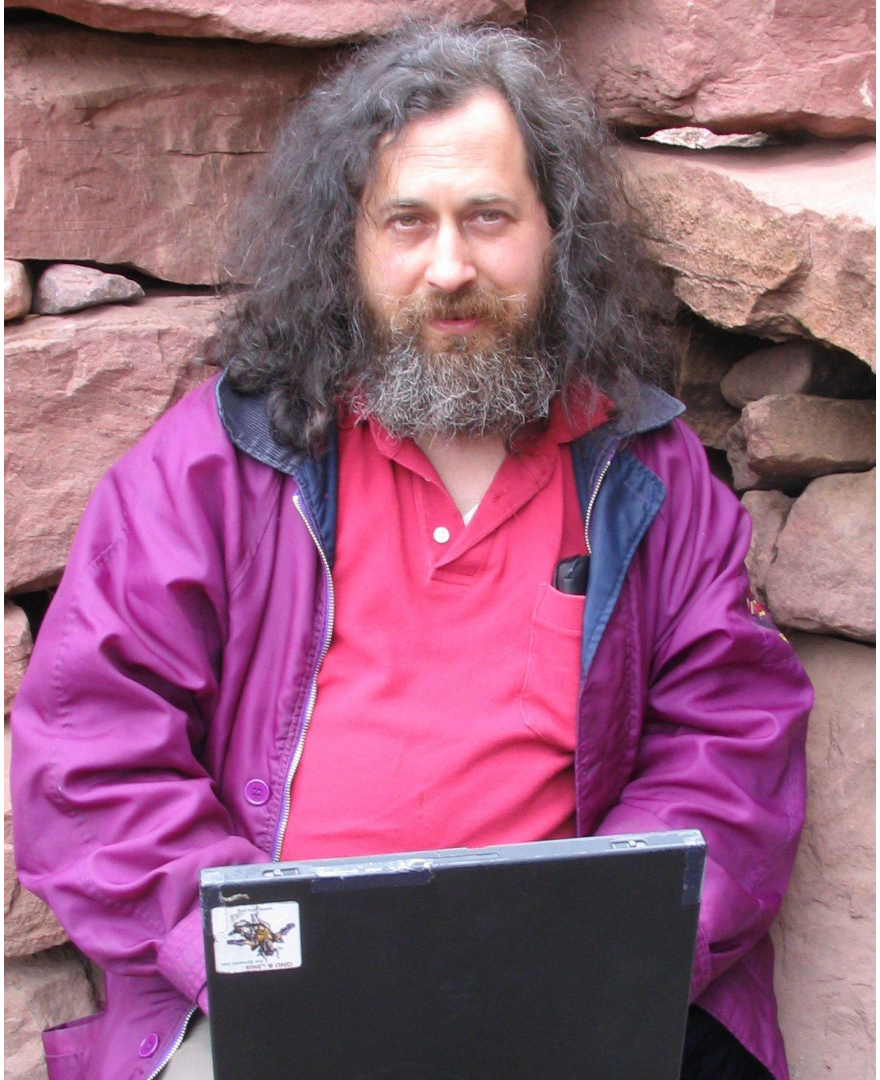




“Being a hacker means appreciating playful cleverness”

“Sharing is good and, with digital technology, sharing is easy”

Richard Stallman



BerkeleyNeuroscience
@UCBerkeleyNeuro

Abonné

Working side by side: Berkeley Neuroscience PhD Program alum Ariel Rokem is a #DataScientist for academia buff.ly/2K9NIWX Learn about Rokem's path from experimental scientist to data scientist and current position @UW @uwescience

Traduire le Tweet

Kirstie Whitaker
@kirstie_j

Abonné

Fascinating timing to see this right after an annual appraisal in which I was told my career has limited potential because I don't have enough papers! It's true though - we don't have good reward systems for non 1st & last author work!

Traduire le Tweet

The Scientific Paper Is Obsolete
Here's what's next.
theatlantic.com

08:25 - 8 mai 2018 depuis Cambridge, England

OPEN DATA

ABIDE
Autism Brain Imaging Data Exchange

ADHD 200

CORR
CONSORTIUM FOR RELIABILITY AND REPRODUCIBILITY

OPEN CODE

jupyter

docker

binder

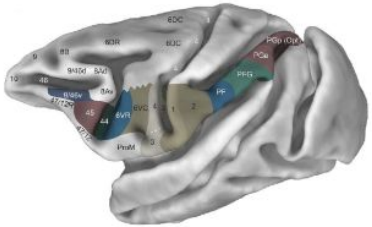
HIGH-PERFORMANCE COMPUTING AND PIPELINES

compute • calcul CANADA

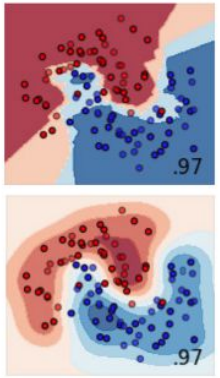
aws

cbrain

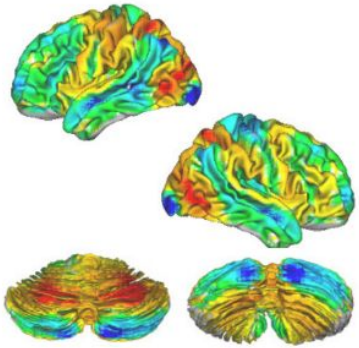
DATA VISUALIZATION



MACHINE LEARNING



NEUROIMAGING



Week 1: Project Definition

Week 2: Project Implementation

Week 3: Project Wrap-up

Connect... locally

	Wifi is public CRIUGM
	Ask anybody for help!

Connect with the BrainHack Community

	brainhack.slack.com **#mtl-brainhack-school**
	#brainhack **#brainhack-school**
	https://github.com/mtl-brainhack-school-2018

Have fun! Help us create an open and enthusiastic space!

Pitch Time - Get Inspired

10-15 minutes

What is it? Why would I want to use it?

Examples, use cases

Catch Time - Introduce yourself!!

Your name

What would you like to do with your three weeks here?

(do you have a project in mind?)

and

What skills can you offer to a project

(coding languages/tools/design skills, psychology/neuroscience knowledge...)