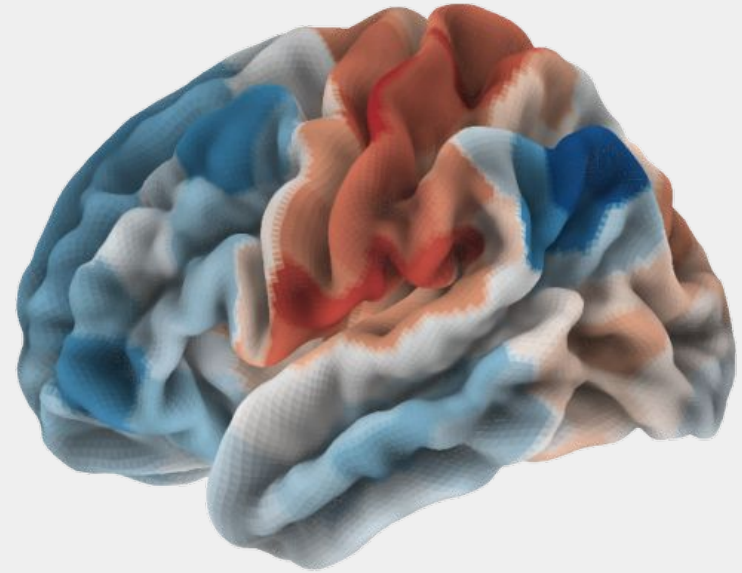


Neurobiologia / BPZ

Karolina Finc

Interdyscyplinarne Centrum Nowoczesnych Technologii
Uniwersytet Mikołaja Kopernika w Toruniu



Wykład #3: Współczesna neurobiologia | 22 maj 2020

Neuroscientist



what society thinks I
do



what my friends think
I do



what my parents think
I do



what men think I do



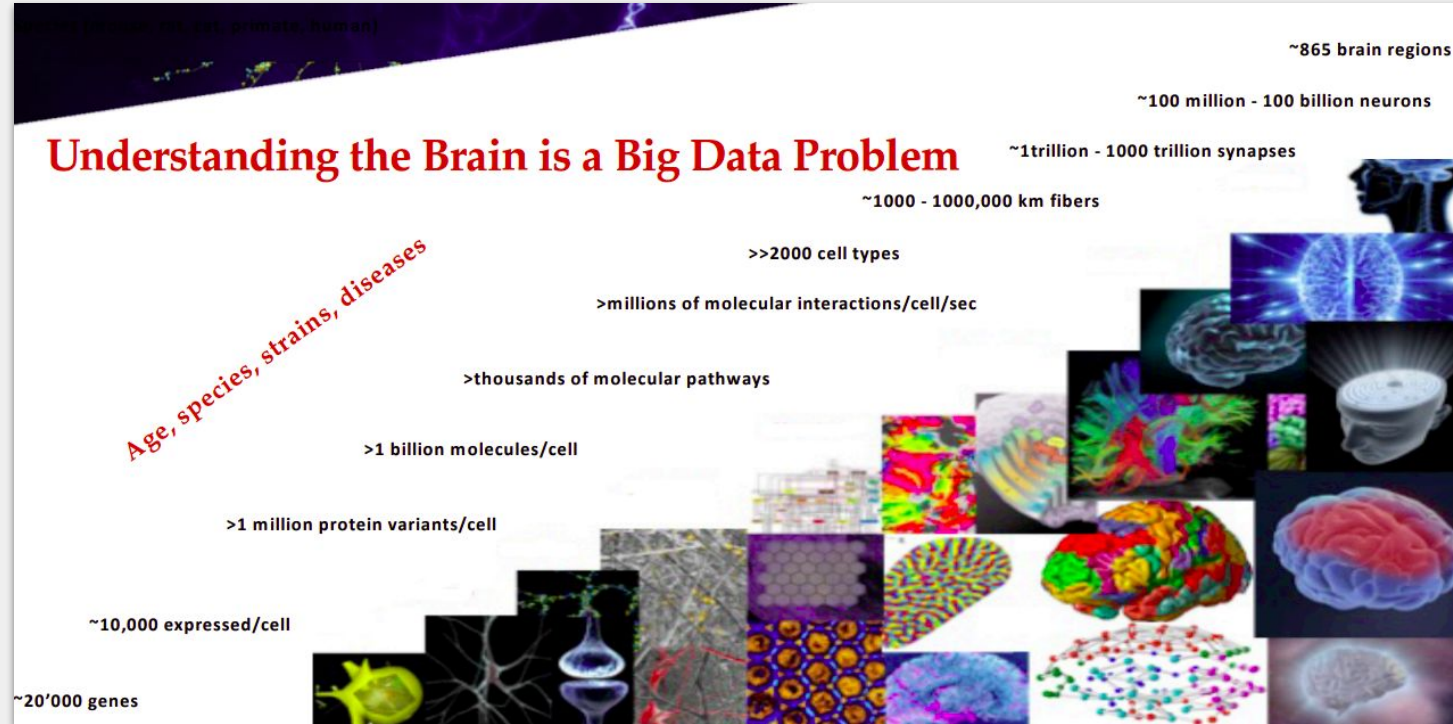
how I see my work



what I really do

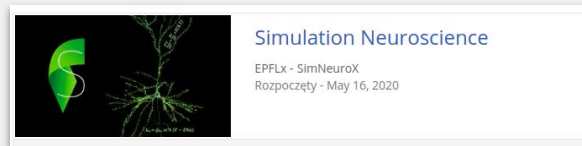
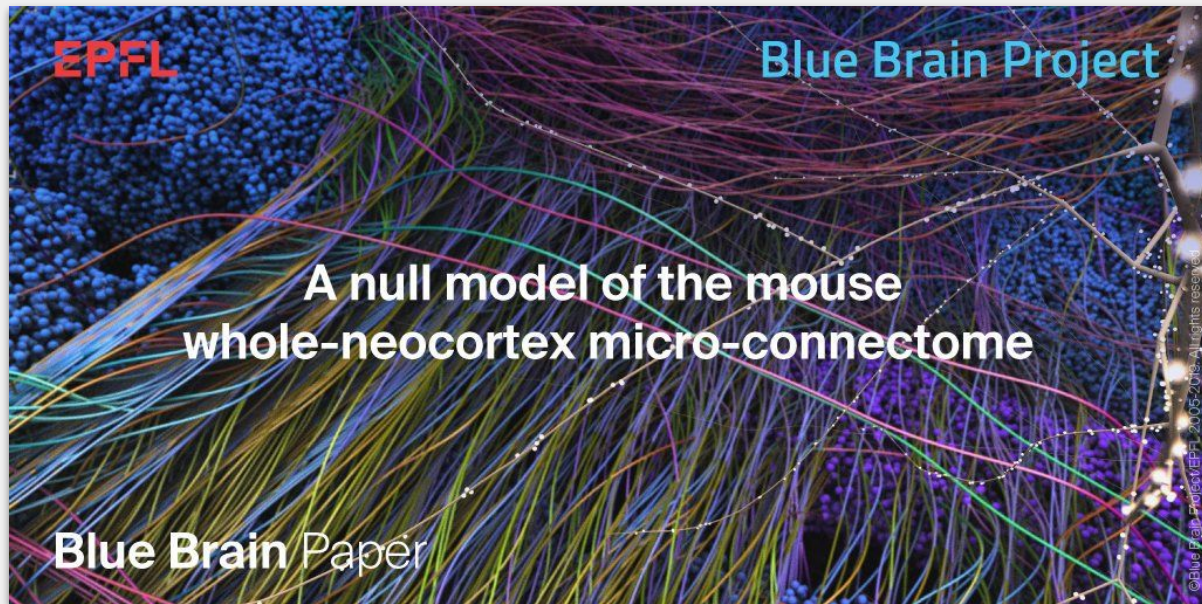


Neurobiologia i big data

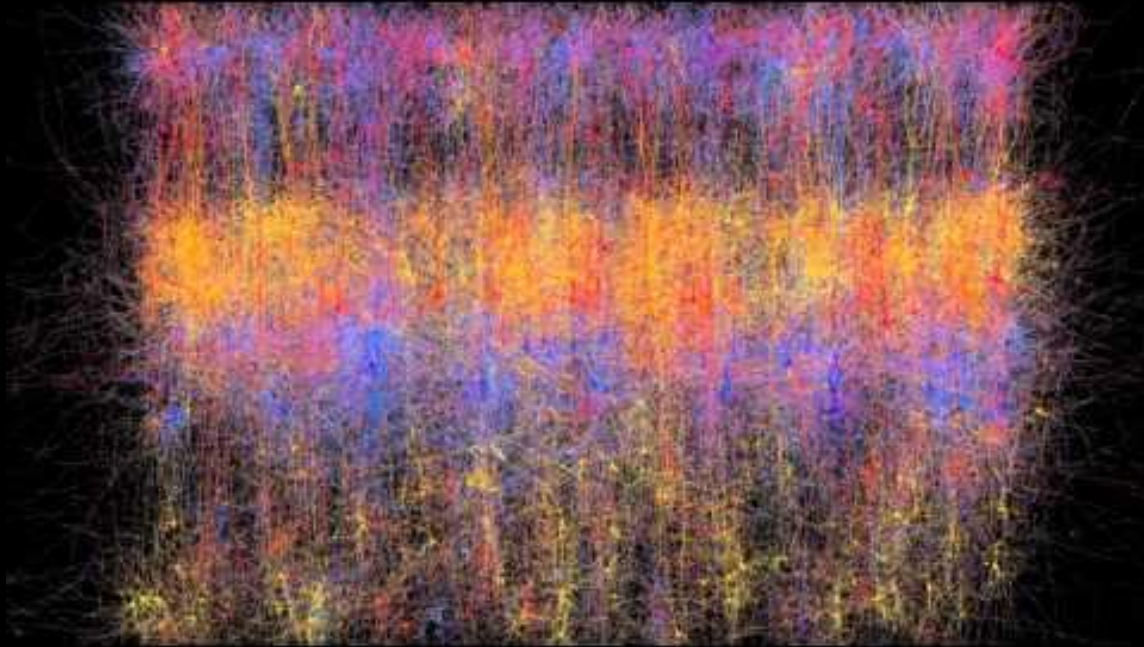


Henry Markram, Simulation Neuroscience EdX

Neurobiologia symulacyjna



Henry Markram



Human Brain Project

Interdyscyplinarność

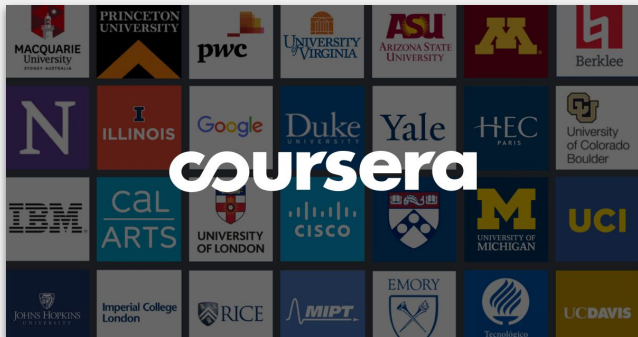
1. Prawdopodobieństwo i statystyka
2. Programowanie (Python/R/MATLAB)
3. Algebra liniowa (uczenie maszynowe, redukcja wymiarowości)
4. Neurofizjologia i neurobiologia
5. Analiza sygnału i obrazu...

... i wiele innych!

Gdzie zacząć?



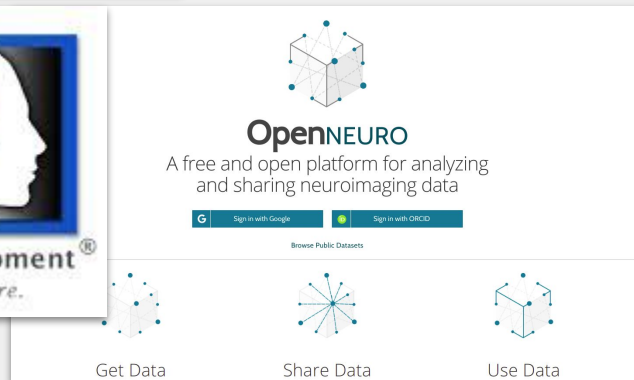
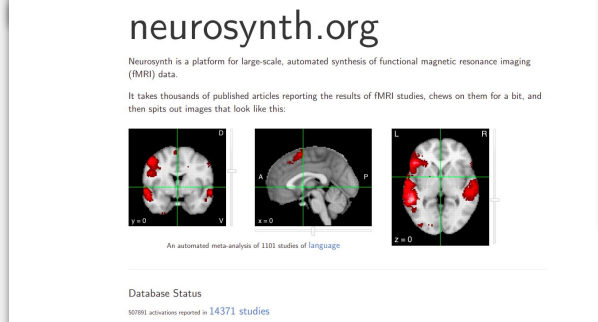
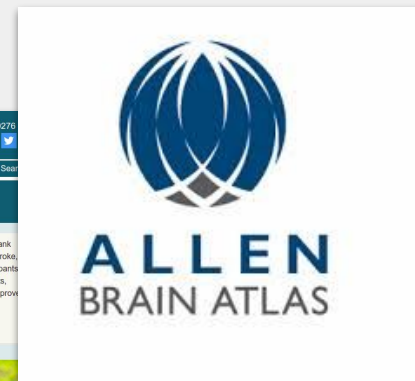
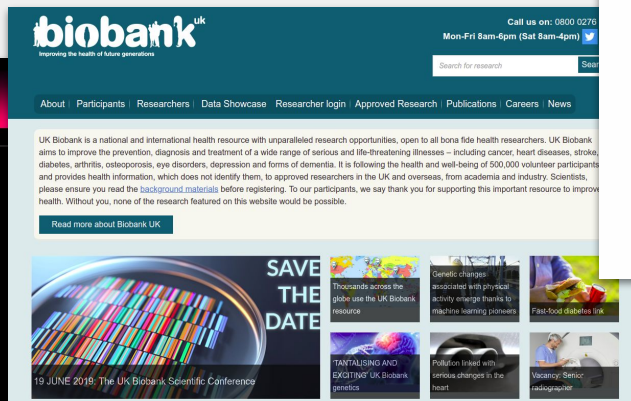
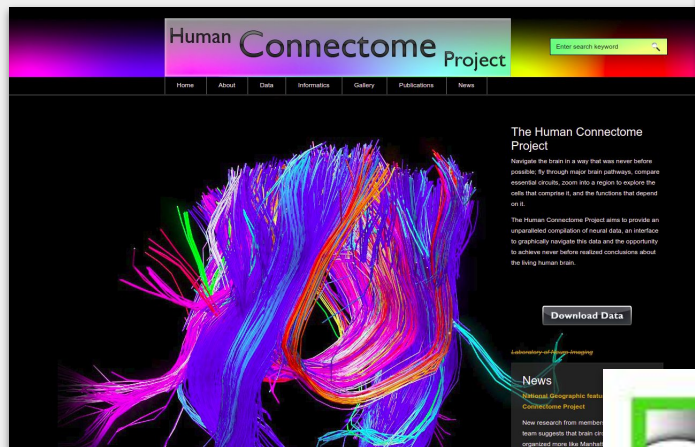
DataCamp



Nauka otwarta (open science)

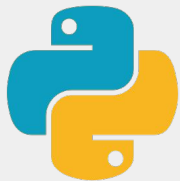
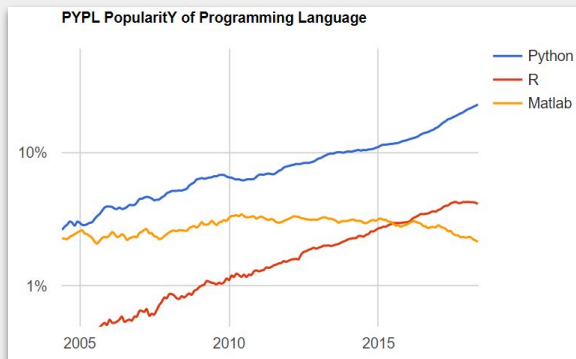


Otwarte dane

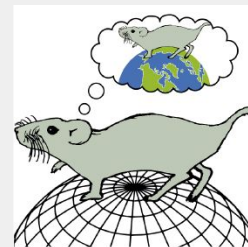


Otwarte oprogramowanie

Otwarte oprogramowanie do analizy danych zyskuje na popularności



Open source packages



Platformy do dzielenia się kodem



GitHub

Jupyter notebook

