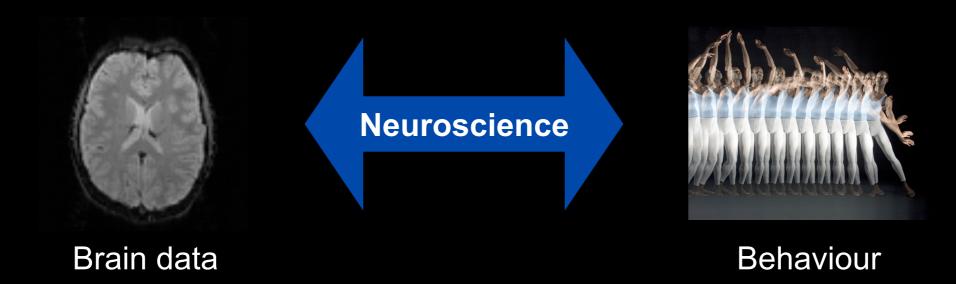


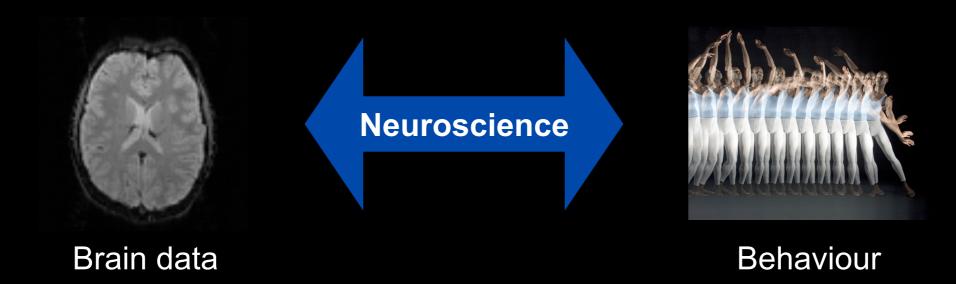
# Jörn Diedrichsen (jdiedric@uwo.ca) Western Research Chair Computational Motor Neuroscience

Department of Computer Science

Department of Statistics

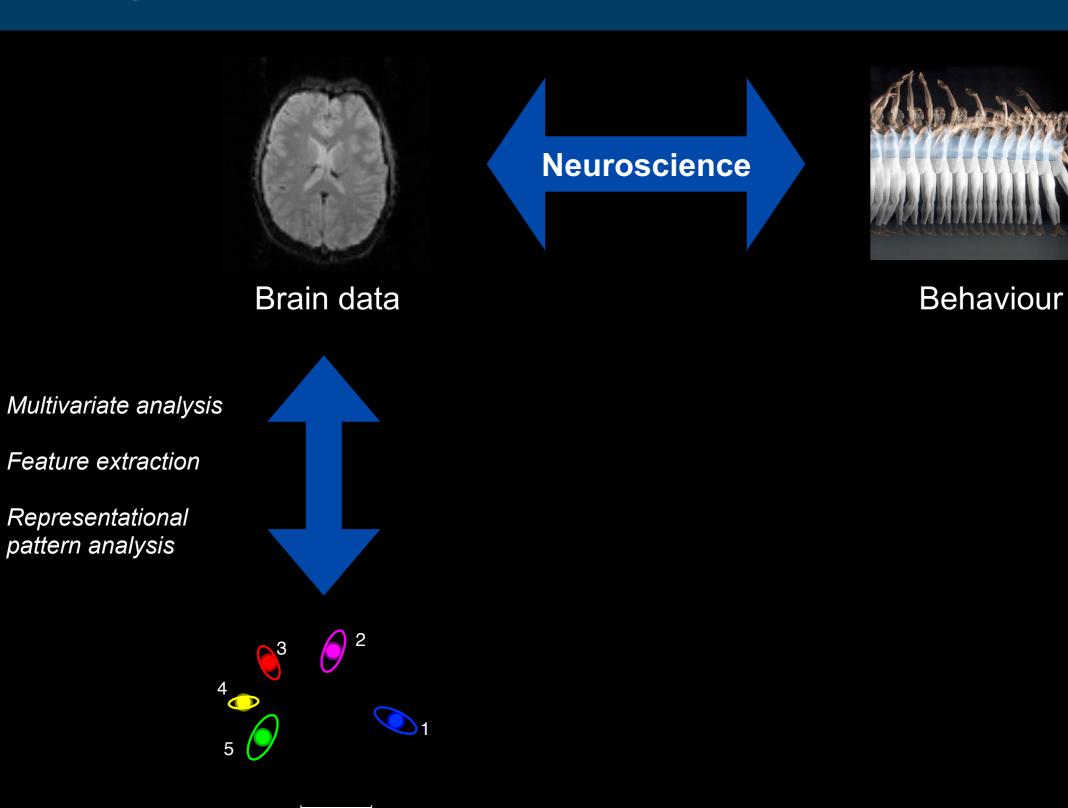
Brain and Mind Institute

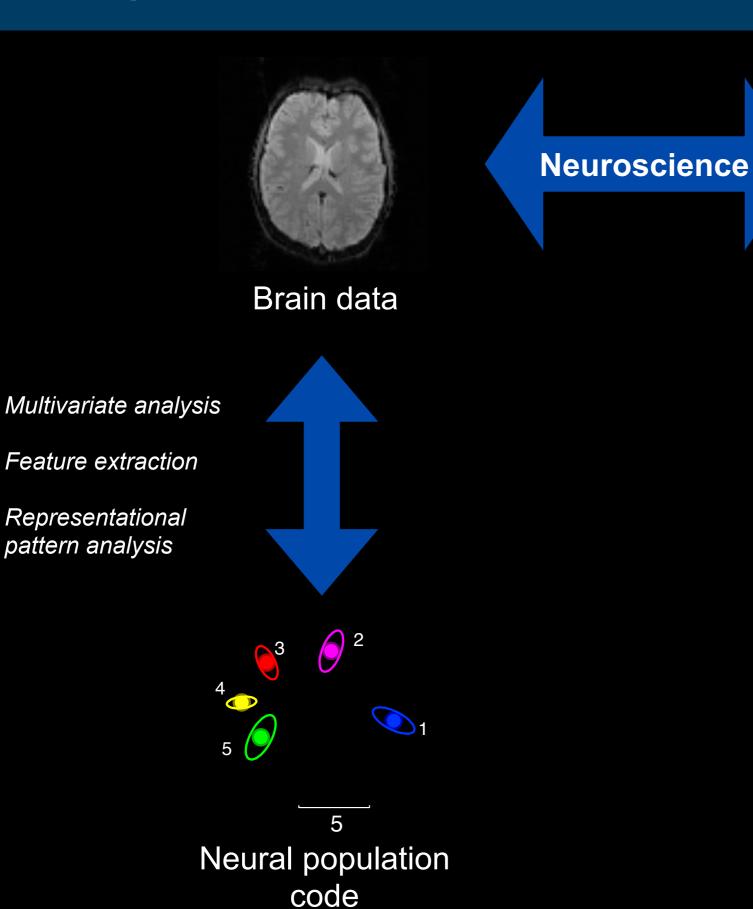




Neural population

code

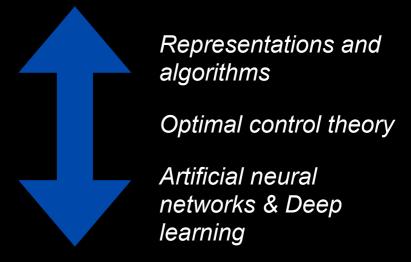


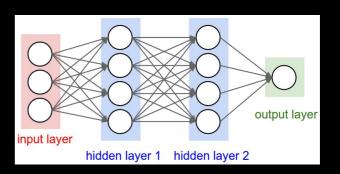


pattern analysis

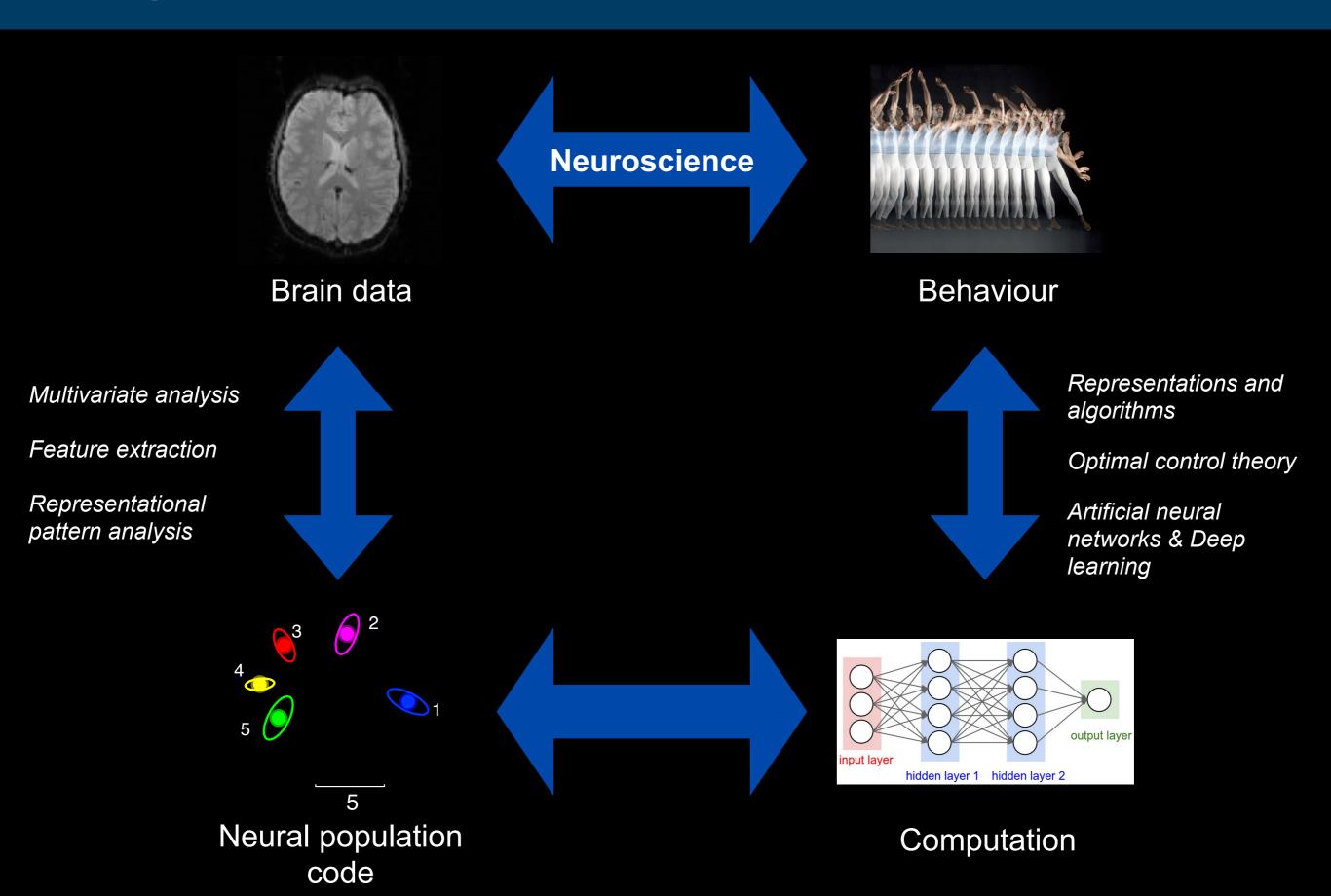


Behaviour





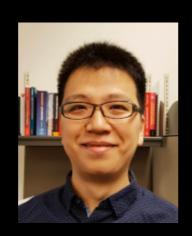
Computation



#### Computational Neuroscience @ Western



Yalda Mohsenzadeh (CS)



Boyu Wang (CS)



Mark Daley (CS)



Jörn Diedrichsen (CS/Stats)



Lyle Müller (Applied Math)



Marieke Mur (Psychology)



Andrea Soddu (Physics)



Ali Khan (Medical Biophysics)

Brain Hack Western (Nov 13-15): <a href="https://brainhackwestern.github.io">https://brainhackwestern.github.io</a>

https://brainscan.uwo.ca/research/cores/computational\_core

### Teaching

- CS4414 /9637/9114: Introduction to Data Science
- Fall: Dan Lizotte
- Winter: Jörn Diedrichsen

- Machine Learning
- Linear models, supervised learning
- Uncertainty, bootstrap, permutation, sampling
- Prediction, Regularization, Feature selection
- Classification
- Deep learning