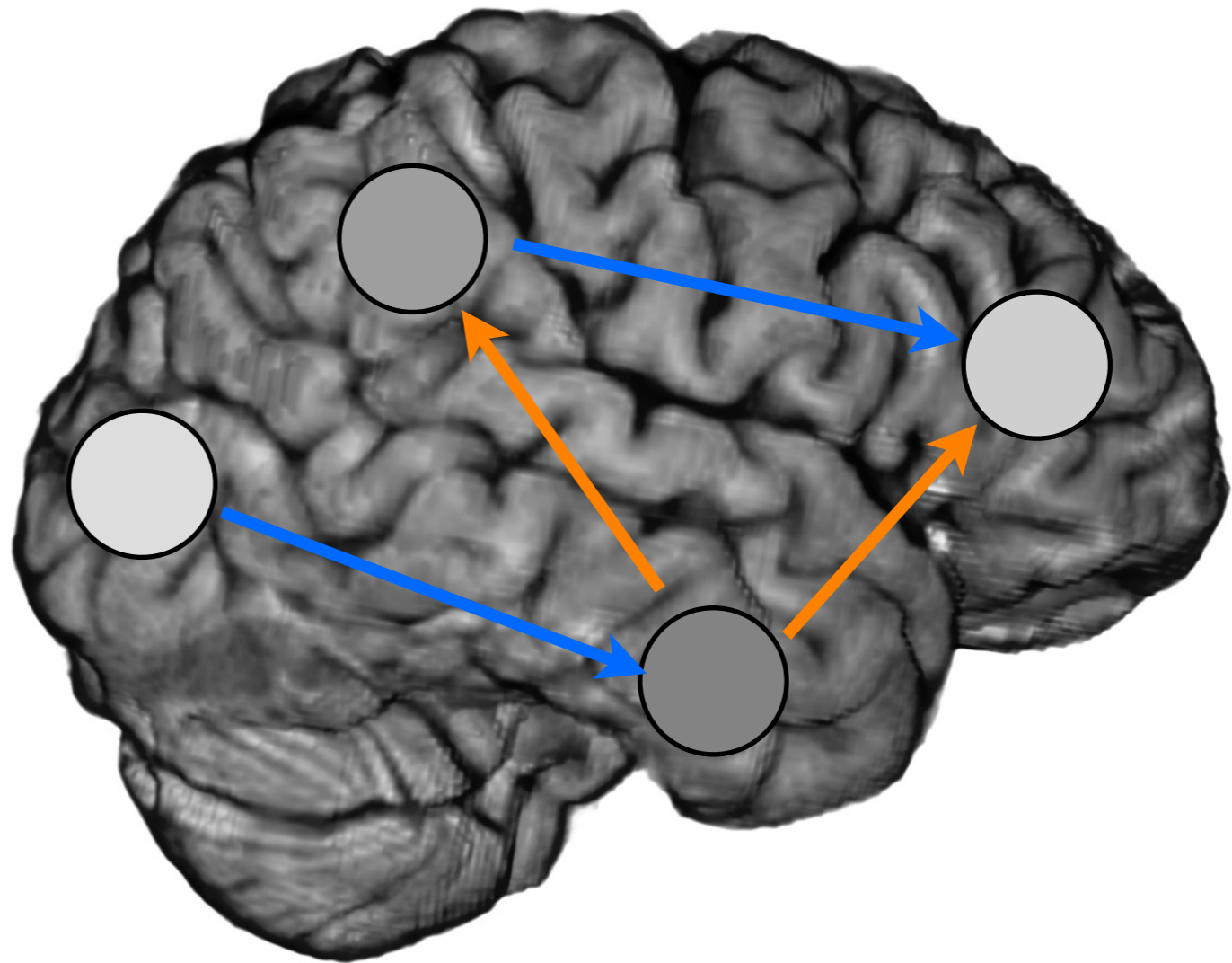
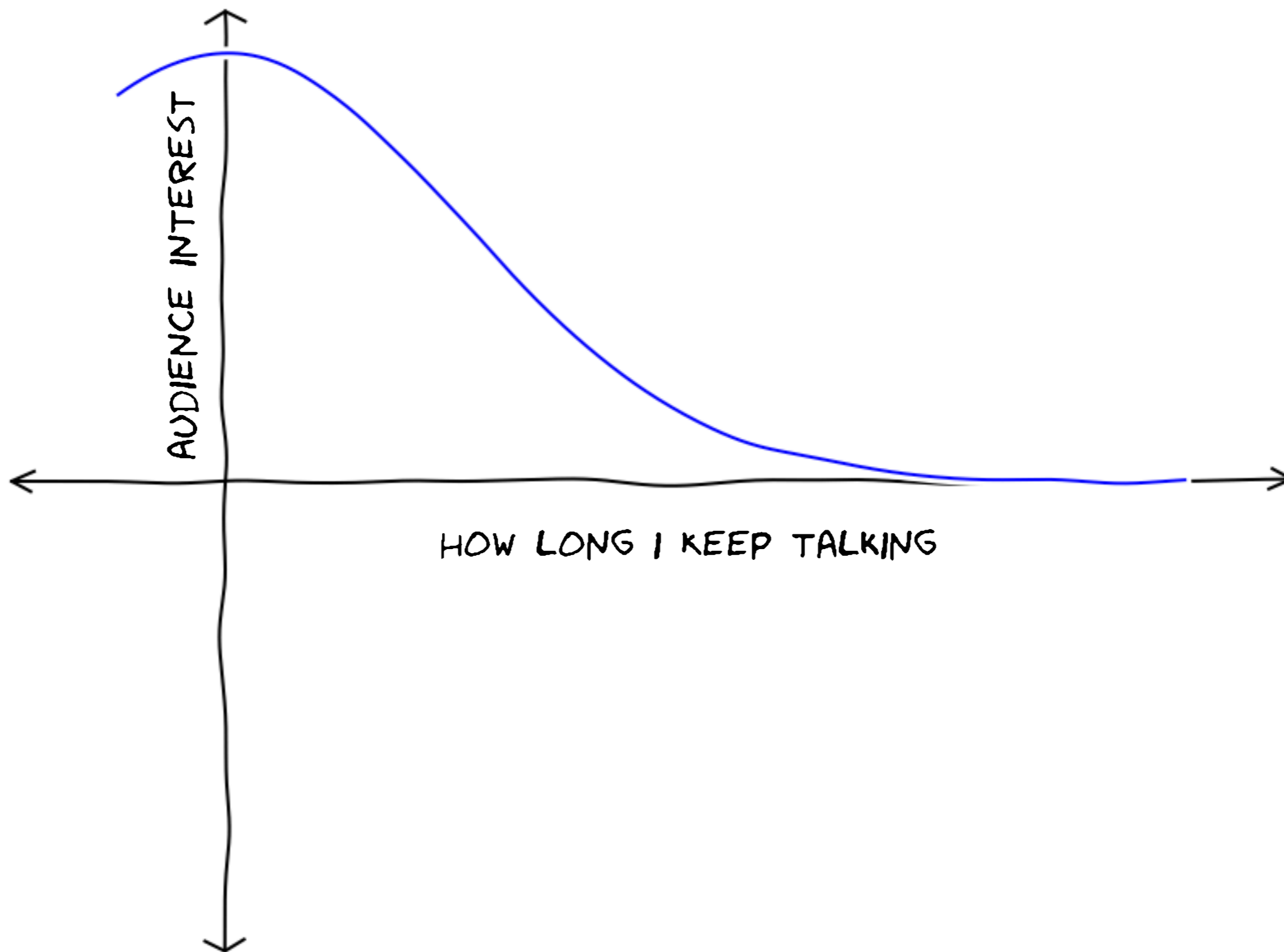
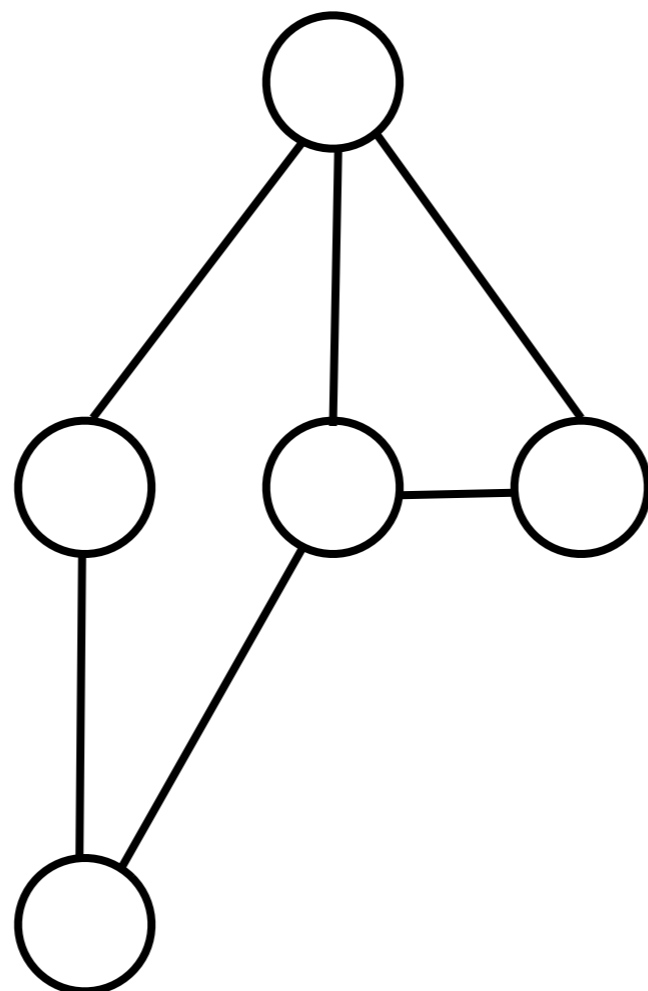
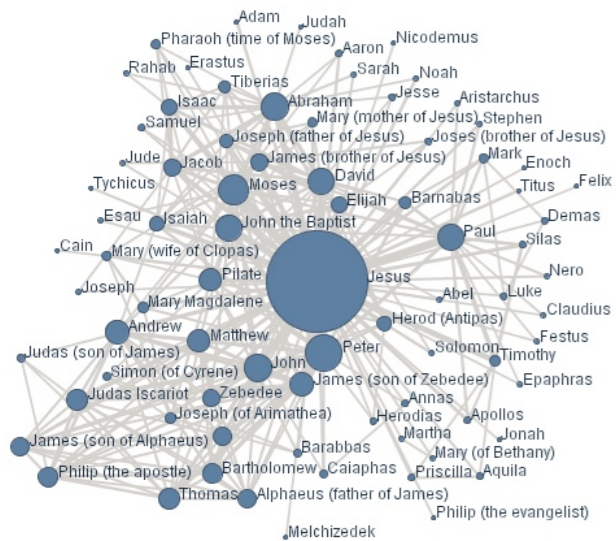


# Brains to Graphs, in real time





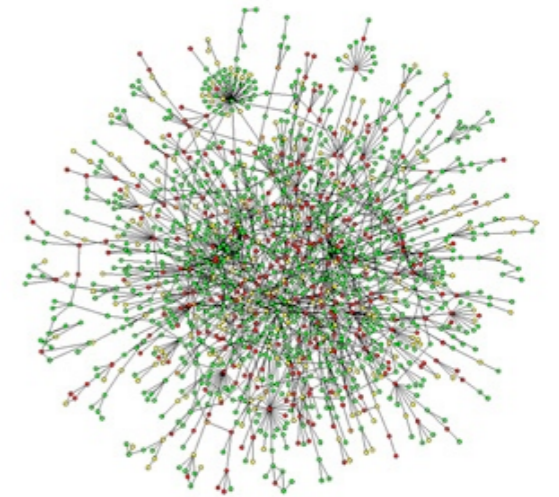




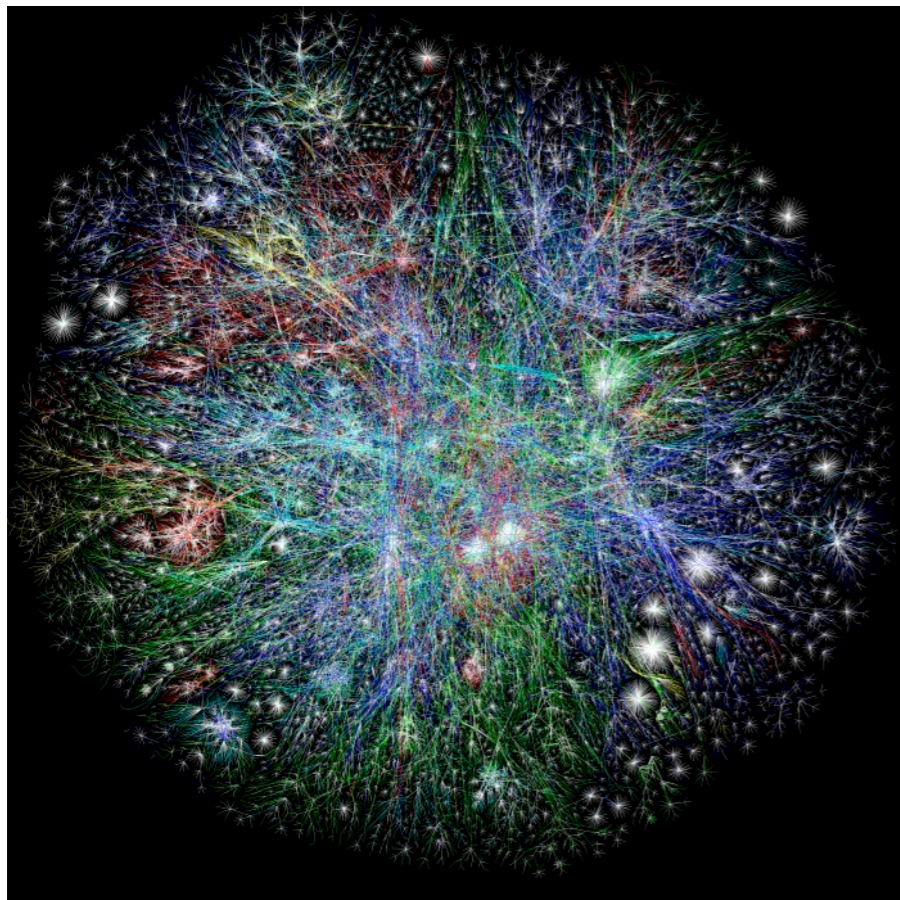
Social



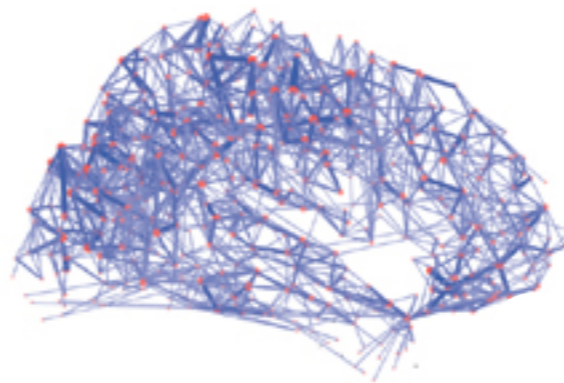
Power



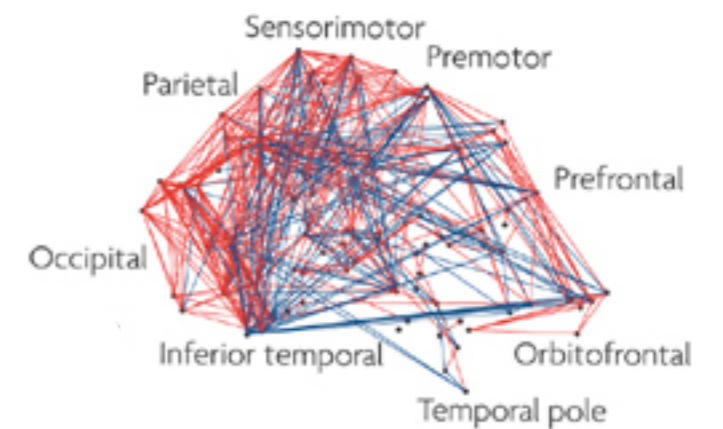
Protein Interaction



Internet

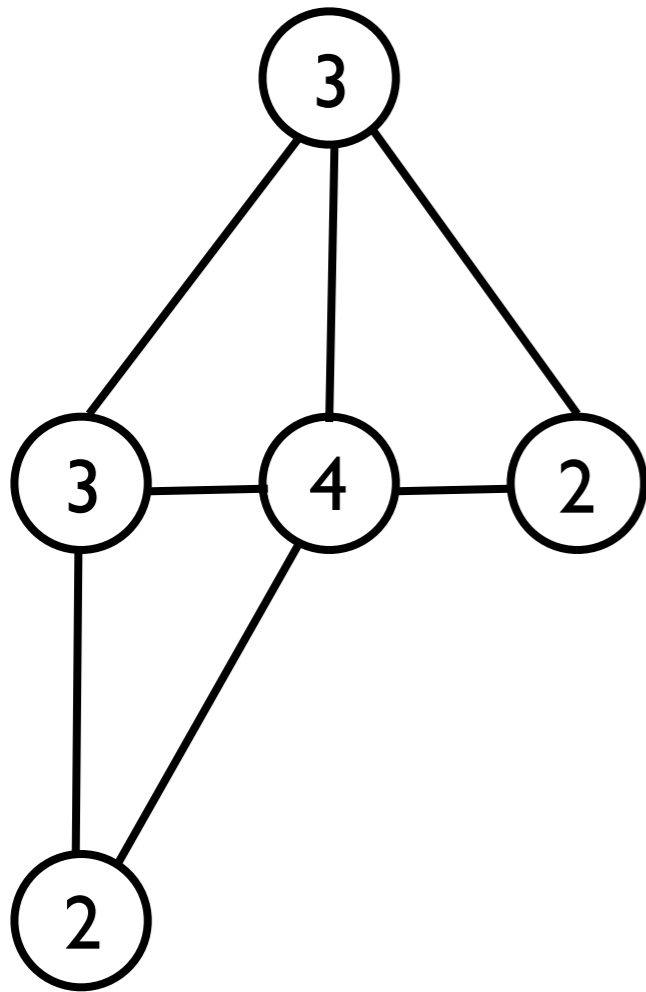


Brain Structural

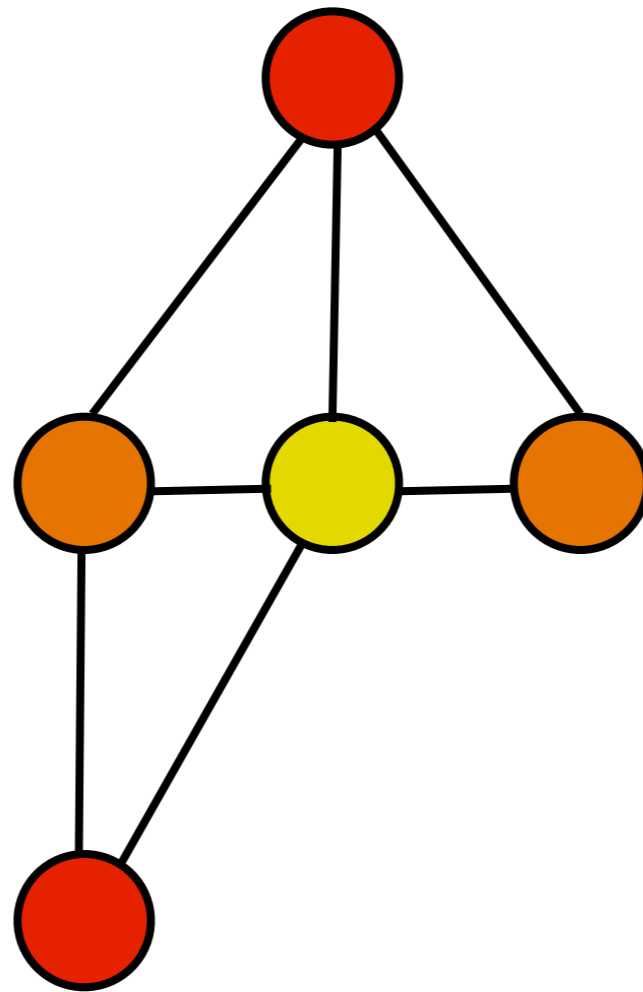


Brain Functional

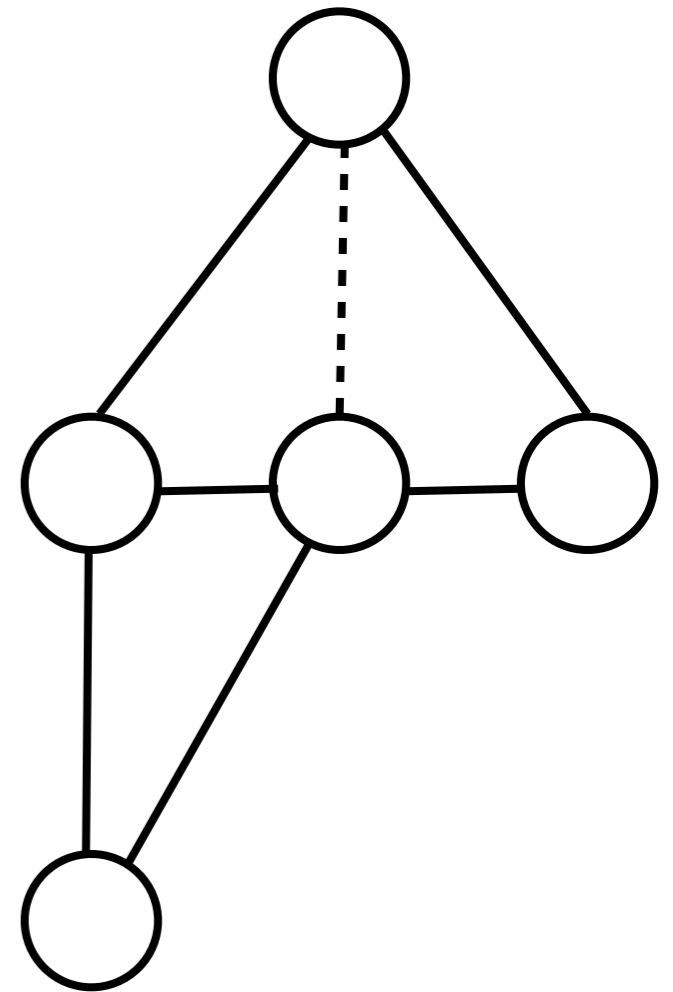
# Graph properties



Degree



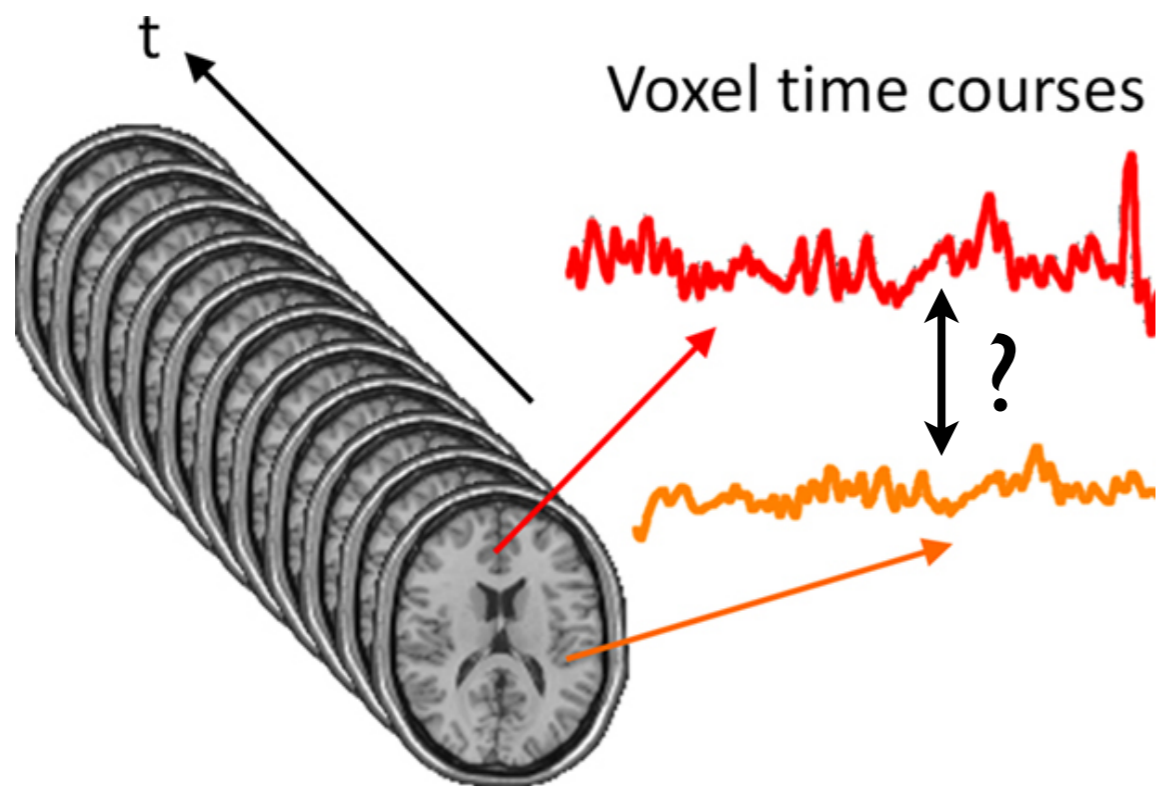
Betweenness



Transitivity

# fMRI



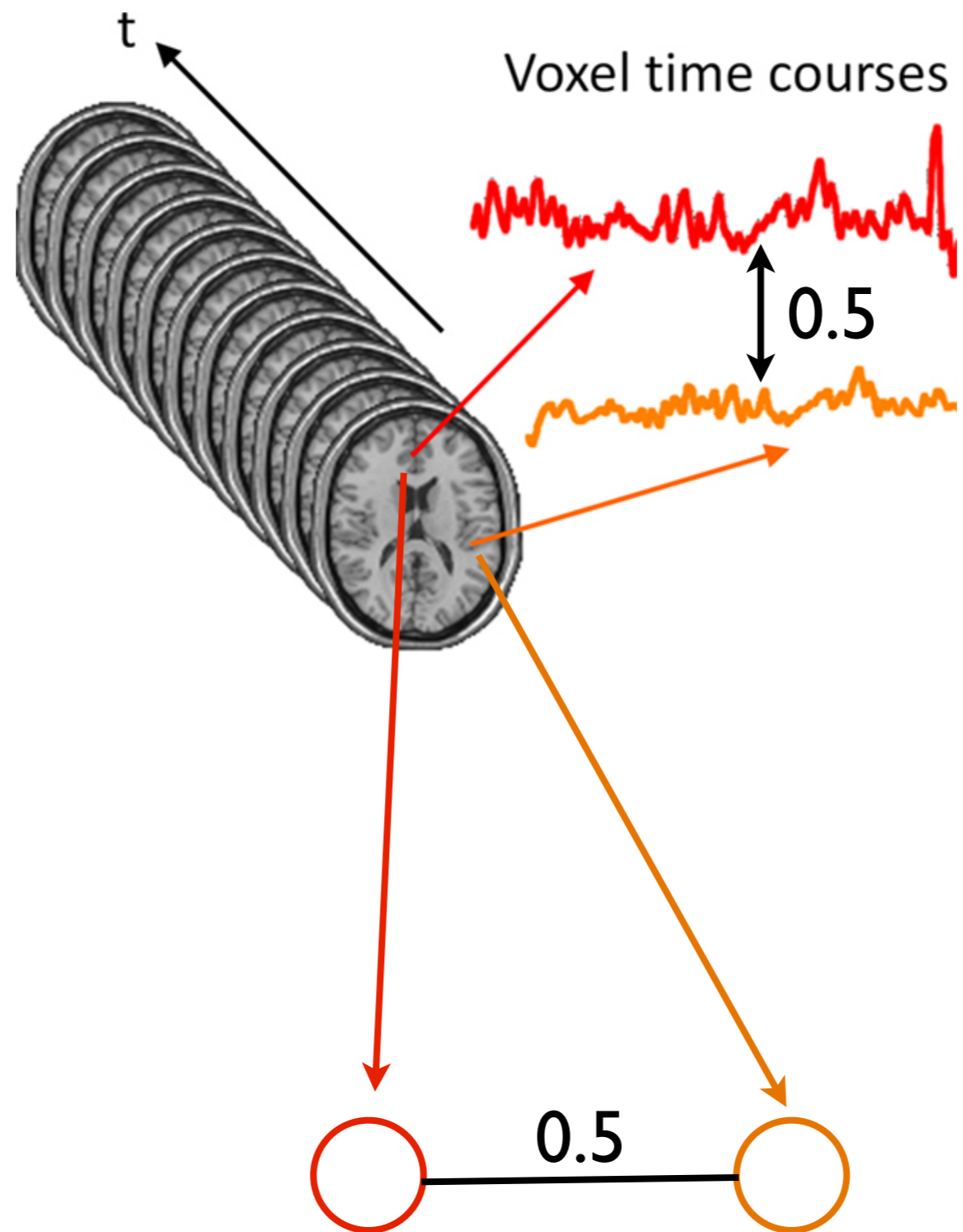


How much does

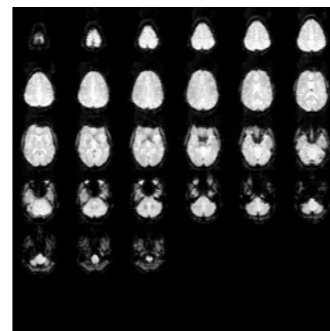
this

“look like”

this?



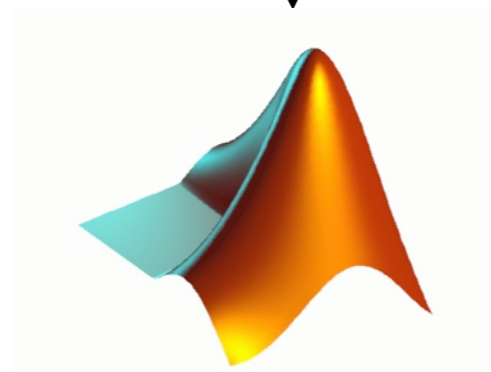
1.



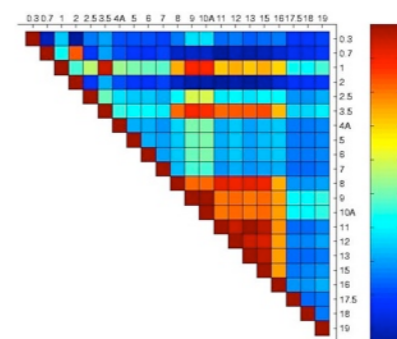
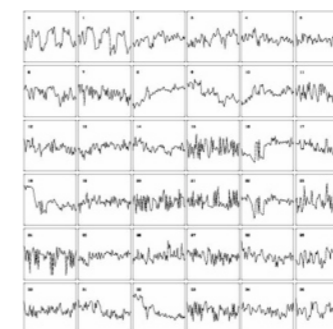
fMRI



2.



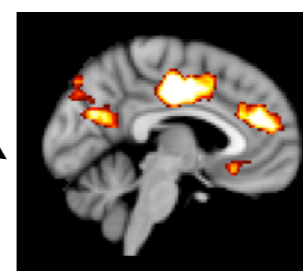
Preprocess

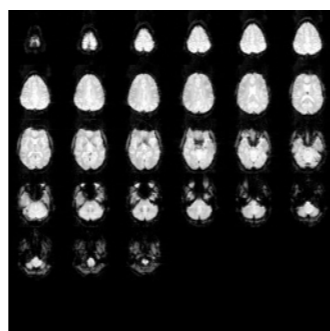


3.



4.

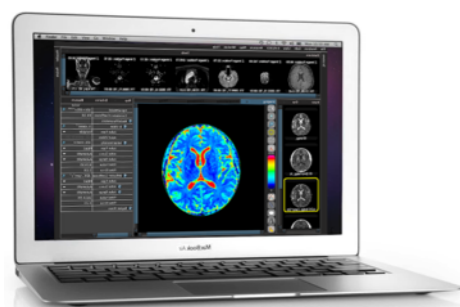
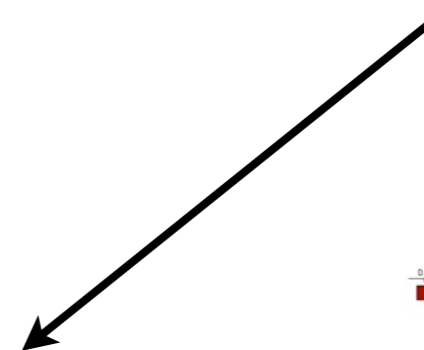
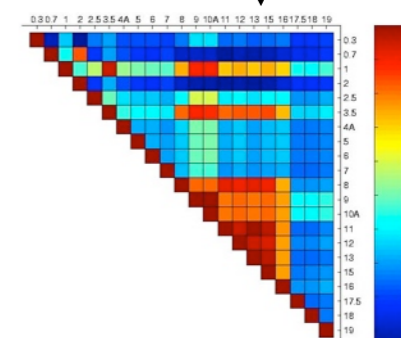
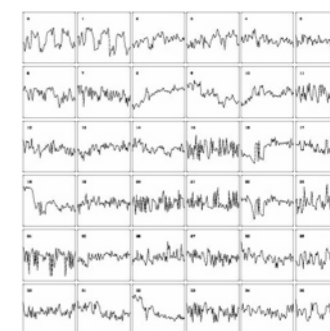




fMRI

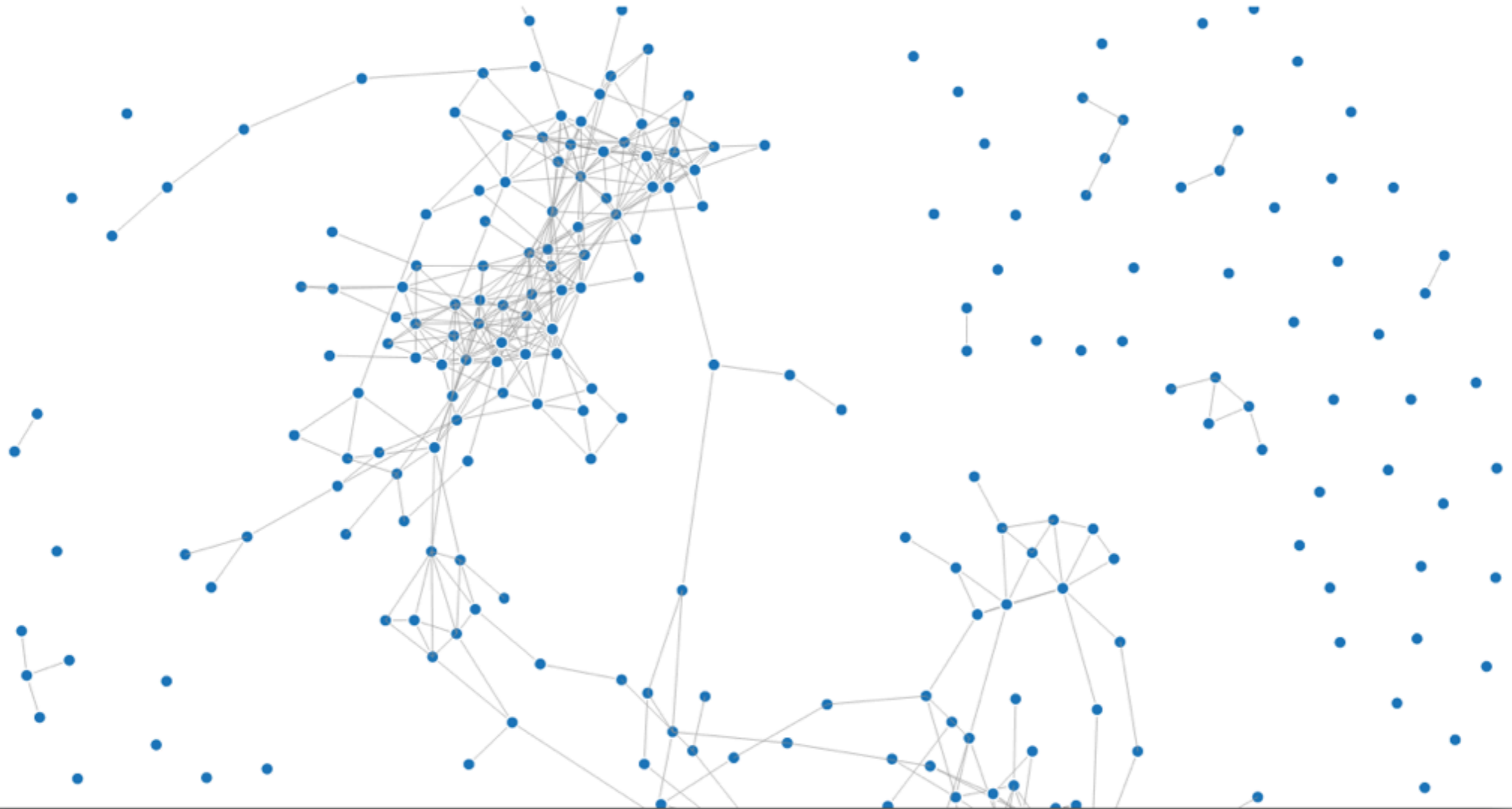


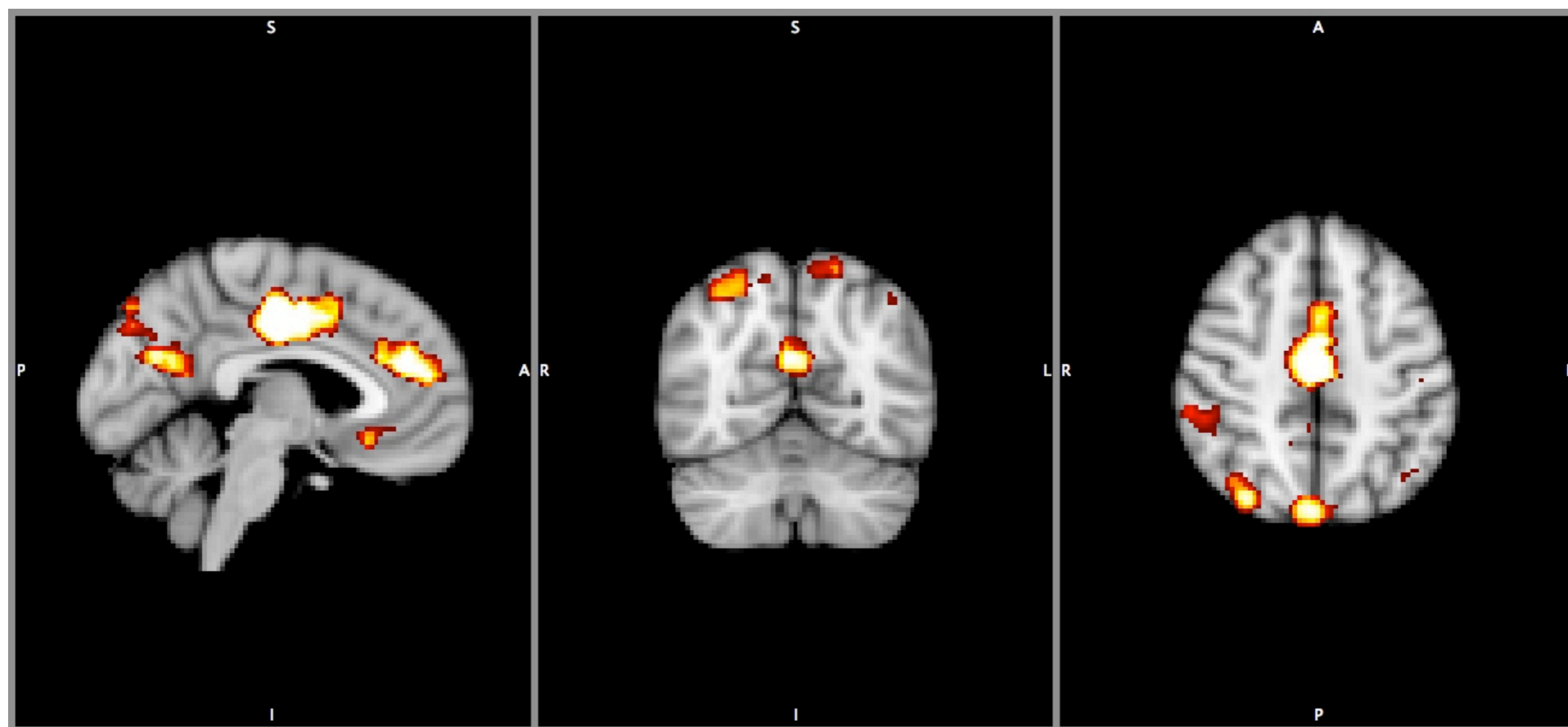
Preprocess



# Brains-to-Graphs

Subject:201304xtx/v2





# Example application

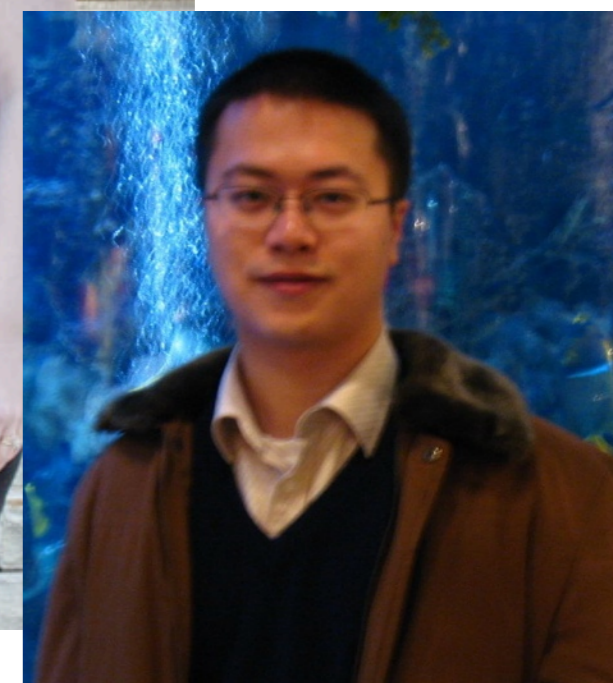


## Neonatal Neurological Assessment (with R. Cusack)

# Co-Investigators



Randy McIntosh   Rhodri Cusack   Thilo Womelsdorf



# Special Thanks to:

