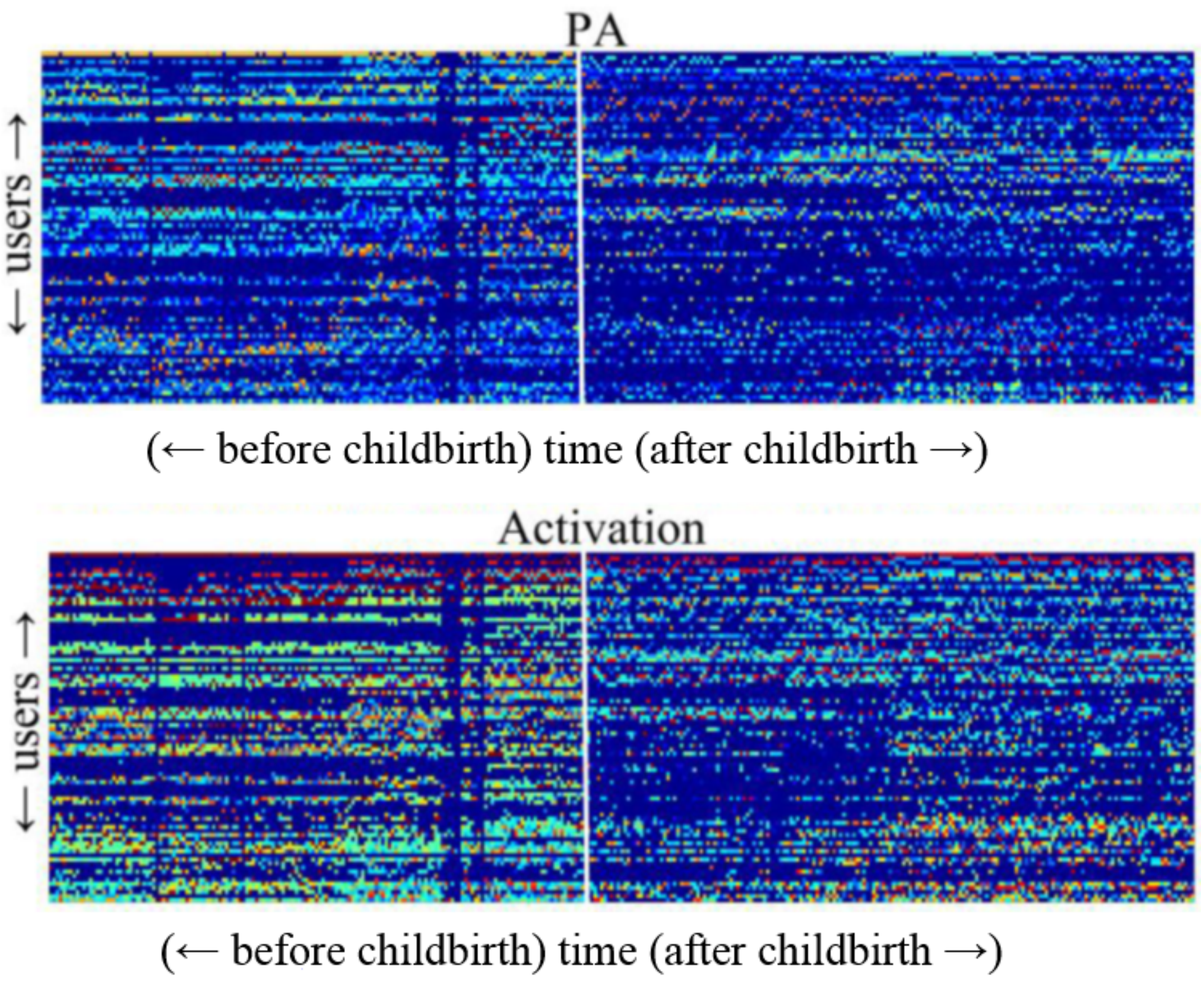
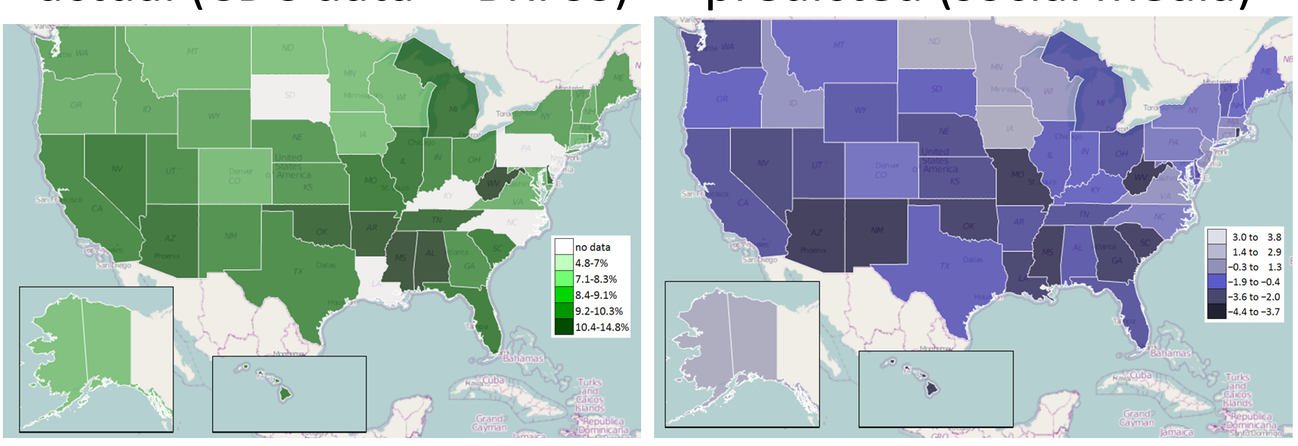
Georgia Institute of Technology



- Twitter and Facebook use during the pregnancy period predicts risk to postpartum depression
- Twitter data predicts risk to major depressive disorder before reported onset

actual (CDC data -- BRFSS) predicted (social media)



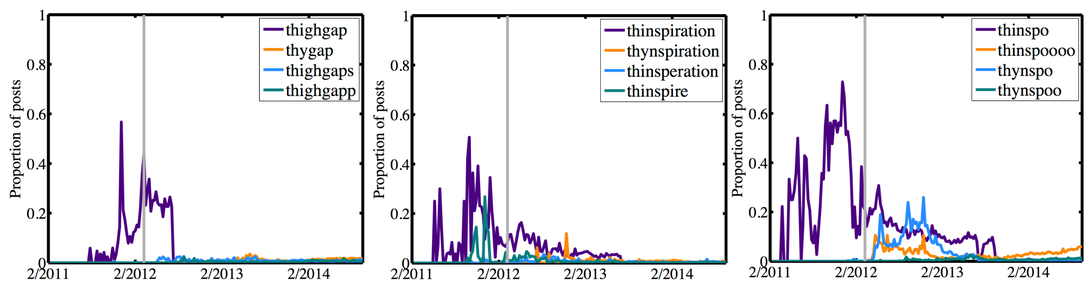
Capabilities we are looking for / research we are interested in supporting:

- Computational characterization of heterogeneous social media data for understanding mental well-being
- Statistical inference of mental well-being challenges
- Multi-data source integration (social media + biosensors + self-reports) for assessing health risks

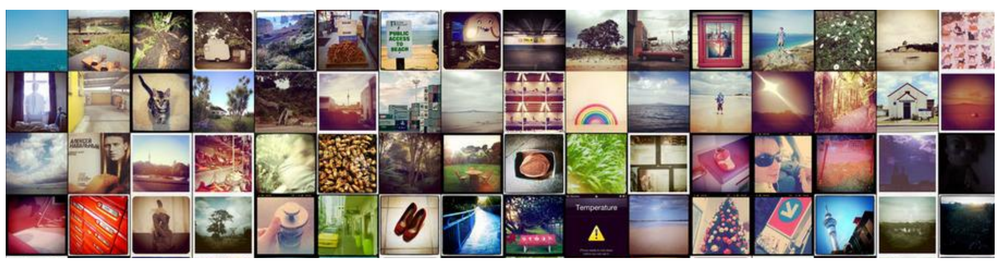
Computational Social Science – modeling human behaviors from social media data

Employing social media data to detect and predict risk to mental health challenges

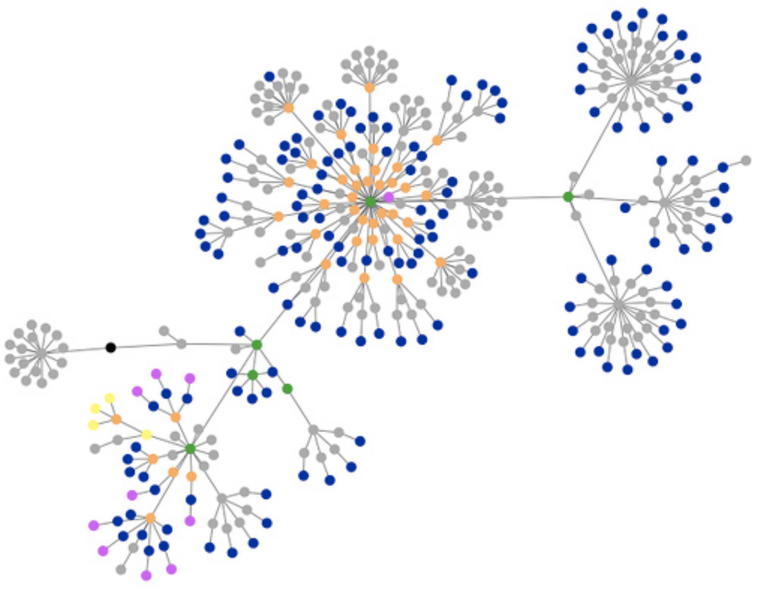
Computational analysis of social media language



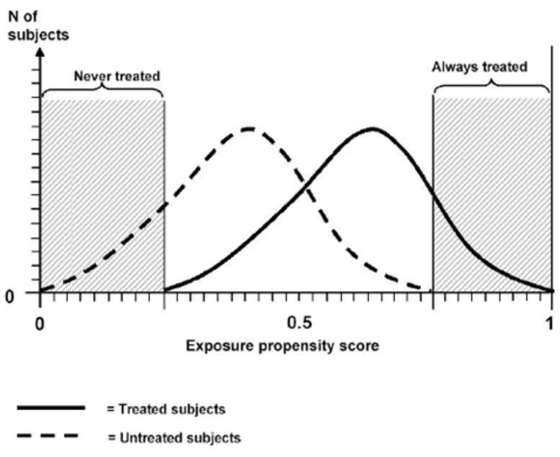
Computational analysis of social media imagery



Computational analysis of social network structure



Causal & predictive modeling



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