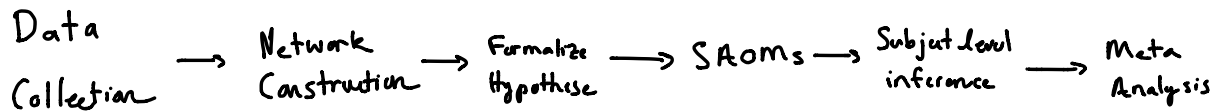


SAOMs



- All significance wrapped up in the meta analysis - mixed effect modeling
- fMRI - measures functional brain activity through blood flow
- ADNI study data
- See slides for fused lasso for covariance estimation
penalty $\lambda_1 \sum \|\theta_i\|_1 + \lambda_2 \sum \|\theta_i - \theta_{i-1}\|_1$
- Small world: high clustering, small diameter
 - captured by outdegrees, triples
- Anatomical grouping
- Hidden Markov model to incorporate noise in measurement errors