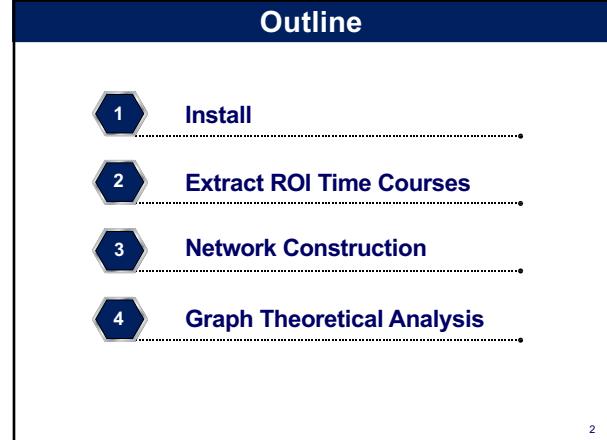
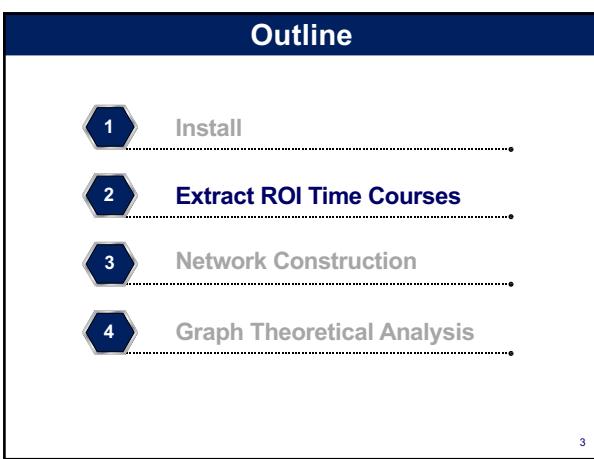


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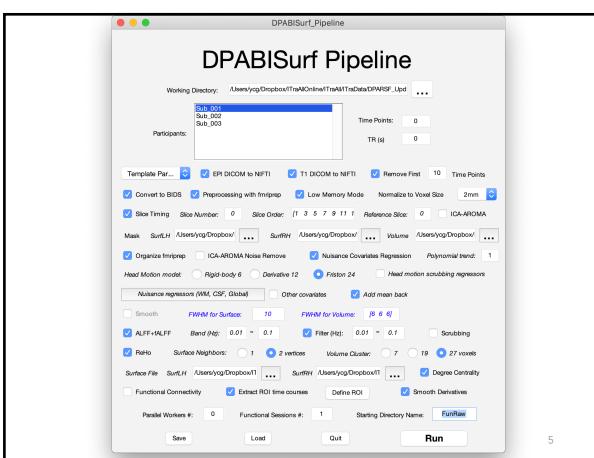
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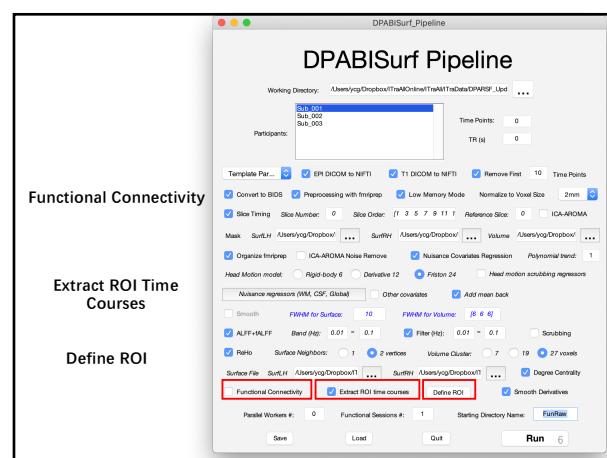
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4

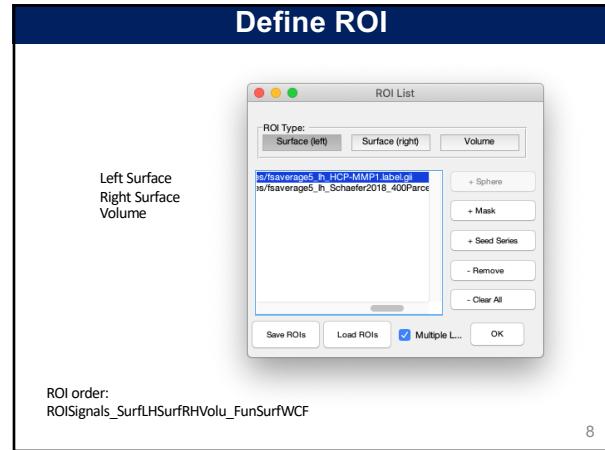
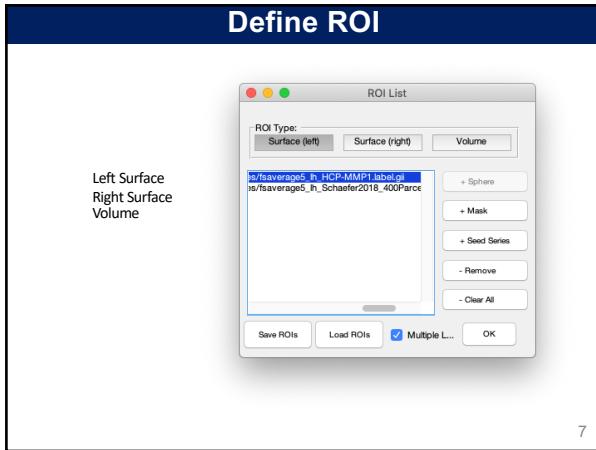


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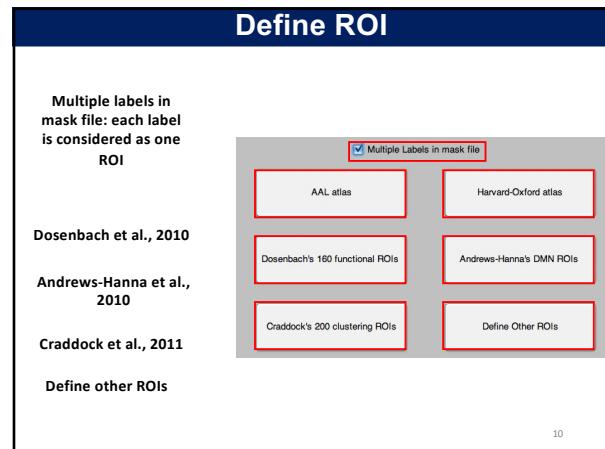
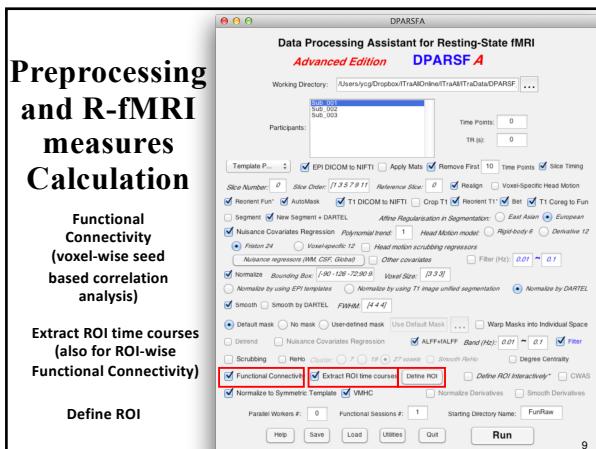
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1

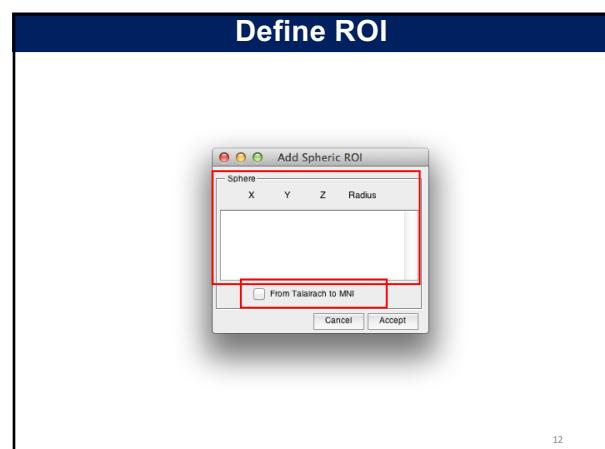
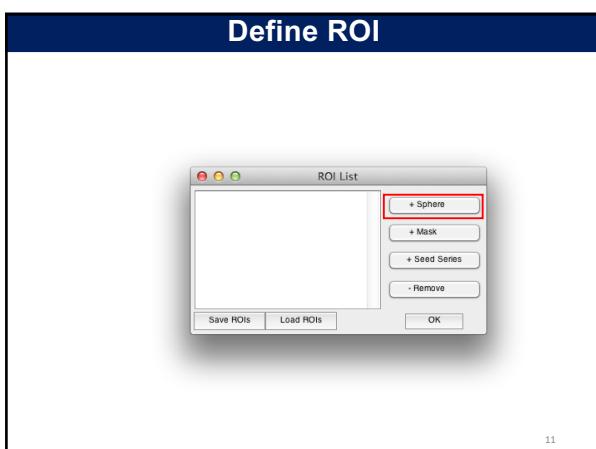


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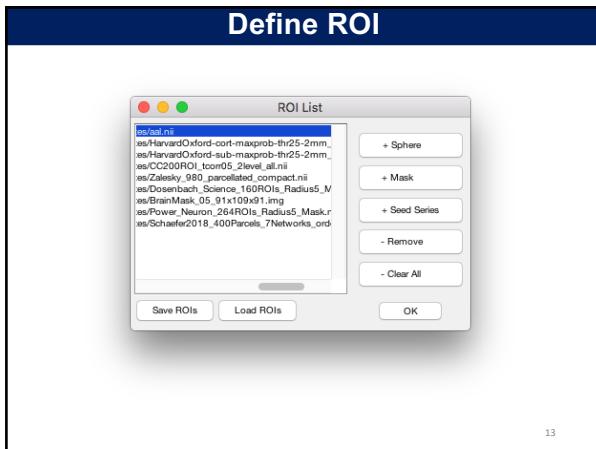


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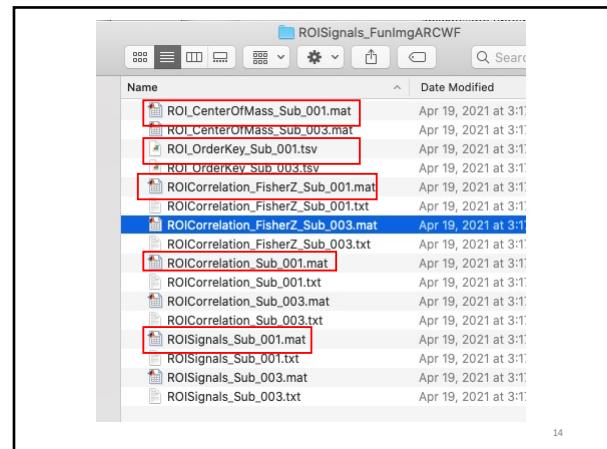


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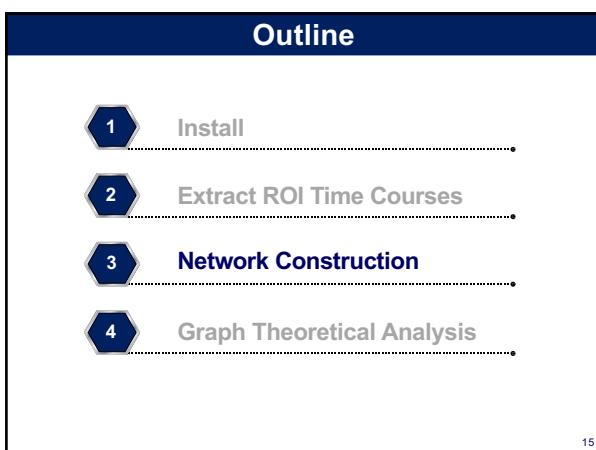
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13



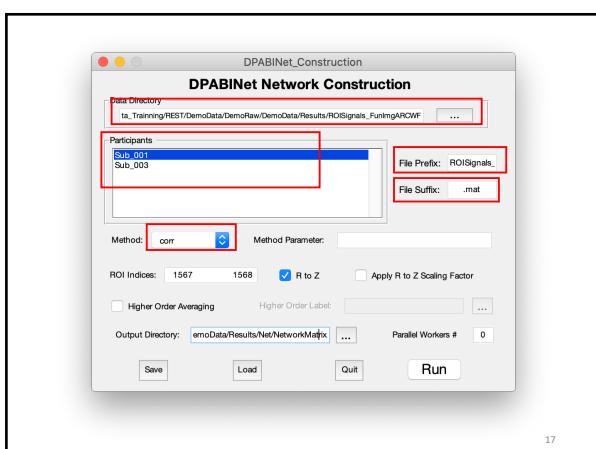
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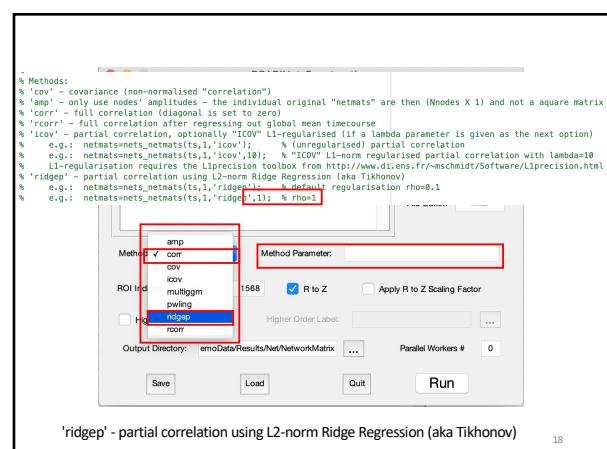
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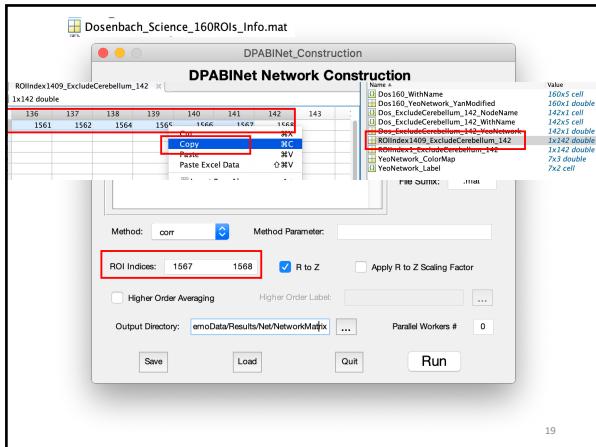
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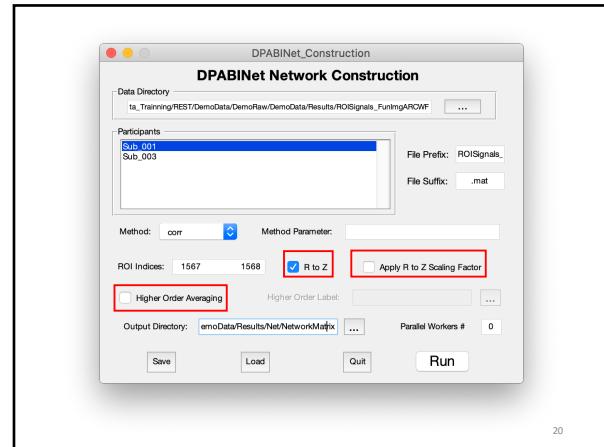
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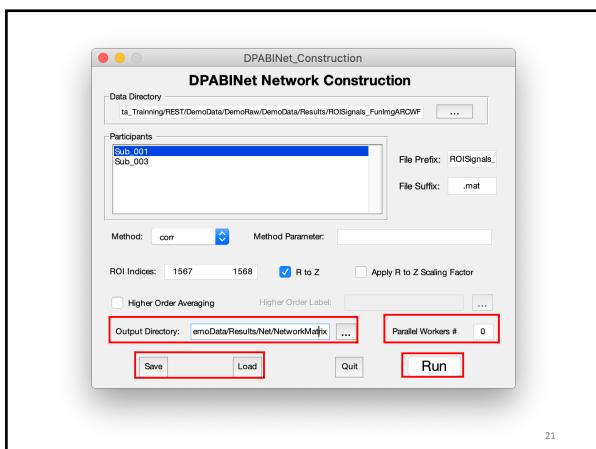
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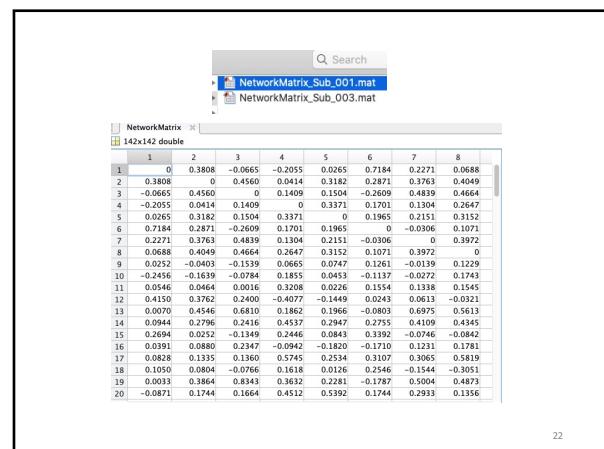
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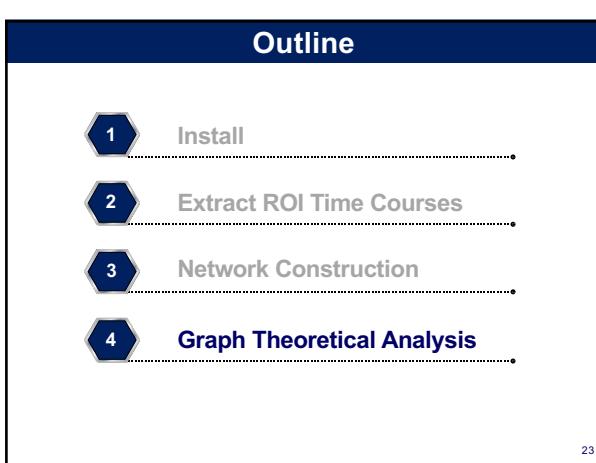
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21



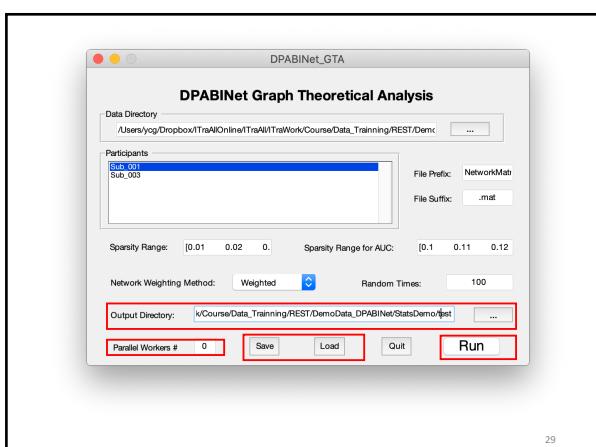
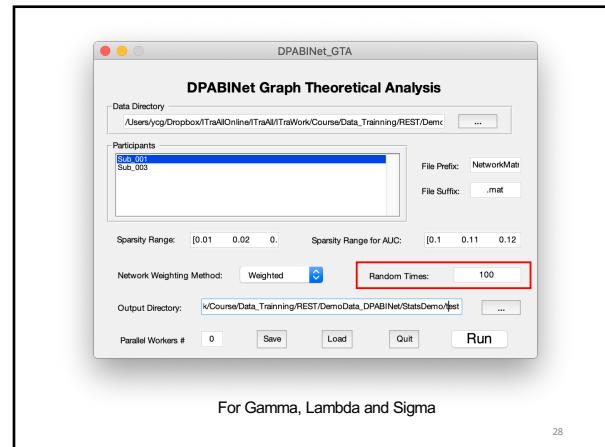
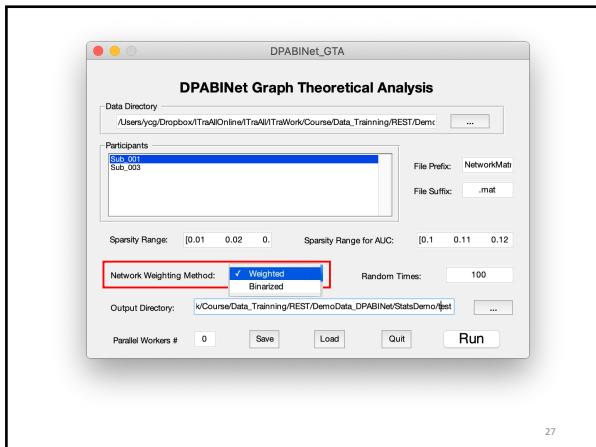
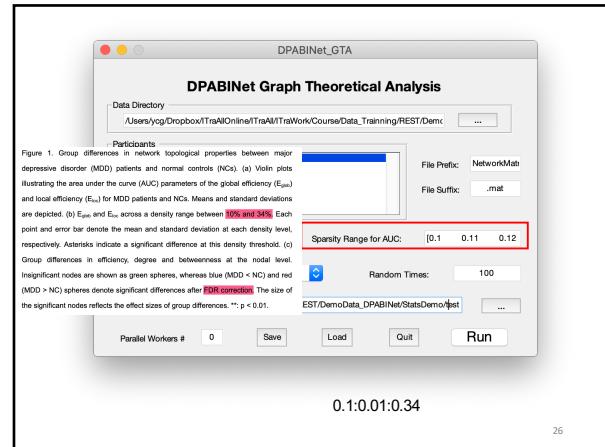
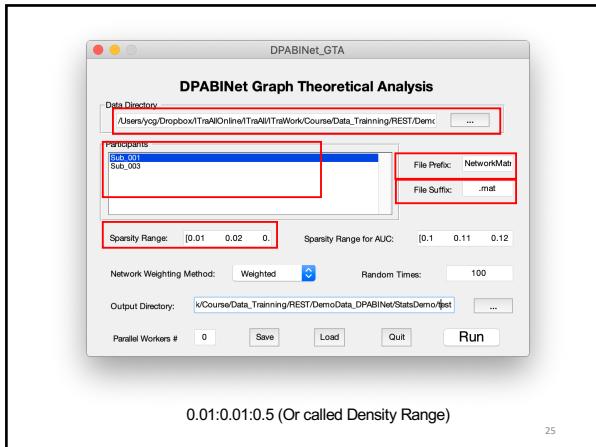
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Name	Type
A_Accuracy_AUC	Value 0.0490
A_AccuracySet	1x142 double
Betweenness_AUC	1x142 double
BetweennessSet	1x50x142 double
ClusteringCoefficient_AUC	0.0512
ClusteringCoefficientSet	1x50x142 double
D_Accuracy	0.0490
D_AccuracySet	1x142 double
Degree_AUC	1x142 double
DegreeSet	1x50x142 double
DeltaSparsity	0.0100
Egocentric_AUC	0.0506
EgocentricSet	1x50x142 double
EigenvectorCentrality_AUC	1x142 double
EigenvectorCentralitySet	1x50x142 double
Eloc_AUC	0.0884
ElocSet	1x142 double
Gamma_AUC	0.4935
GammaSet	1x50 double
Lambda_AUC	0.2453
LambdaSet	1x50 double
Ld_AUC	2.7984
LdSet	1x50 double
Modularity_AUC	0.7089
ModularitySet	0.0926
NodalEfficiency_AUC	1x142 double
NodalEfficiencySet	1x50x142 double
PageRankCentrality_AUC	1x142 double
PageRankCentralitySet	1x50x142 double
ParticipantCoefficient_AUC	1x142 double
ParticipantCoefficientSet	1x50x142 double
Sigma_AUC	0.4747
SigmaSet	1x50 double
SparsityRange	50x1 double
SubgraphCentrality_AUC	1x142 double
SubgraphCentralitySet	1x50x142 double

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Computational Methodology	
Topological properties	Descriptions
GLOBAL TOPOLOGICAL PROPERTIES	
Local efficiency	The average efficiency of information transfer over a node's direct neighbors
Global efficiency	The efficiency of information transfer through the entire graph
Clustering coefficient	The average inter-connectedness of a node's direct neighbors
Characteristic shortest path length	The average shortest path length between any pairs of nodes
Normalized clustering coefficient	The clustering coefficient compared to matched random networks
Normalized characteristic shortest path length	The characteristic shortest path length compared to matched random networks
Small-worldness	The normalized clustering coefficient divided by the normalized characteristic shortest path length, which reflect the balance of global efficiency and local efficiency
Assortativity	The tendency of nodes to link with those nodes with similar number of edges
Modularity	The extent to which a graph can be segregated into densely interconnected modules

Yan et al., 2013.
Front Hum Neurosci.

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Computational Methodology	
Regional topological properties	Descriptions
Degree centrality	The number (or sum of weights) of connections connected directly to a node
Nodal efficiency	The efficiency of information transfer over a node's direct neighbors
Nodal clustering coefficient	The inter-connectedness of a node's direct neighbors
Subgraph centrality	The participation of a node in all subgraphs comprised in a graph
Betweenness centrality	The influences of a node over information flow between other nodes
Eigenvector centrality	A self-referential measure of centrality – nodes have high eigenvector centrality if they connect to other nodes that have high eigenvector centrality

Yan et al., 2013.
Front Hum Neurosci.

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Further Help

The R-fMRI Course V3.0

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International Big-Data Center for Depression Research
Institute of Psychology, Chinese Academy of Sciences

<http://rfmri.org/wiki>

 The R-fMRI Journal Club

 Official Account: RFMRILab

<http://rfmri.org/Course>

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DPABI/DPABISurf/DPARSF特训营

 第九届DPABI/DPABISurf/DPARSF
脑影像基础特训营（云端）通知
2021.3.27~3.29

 第一届DPABISurf/DPABINet
脑网络进阶特训营（北京现场）通知
2021.4.24~4.26

定期举办，请关注<http://rfmri.org>

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DPABISurf皮层数据预处理业务



DPABISurf皮层数据
皮层分析预处理业务

DPABISurf V1.4

DPABISurf

特训营学员：99元/例次

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Thanks for your attention!

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