

Type of research question	Global factor scores	Partial factor scores
Group comparison or individual differences	Average ROI connectivity across groups or across the entire sample	ROI connectivity per group or individual
Deep phenotyping	Average ROI connectivity across sessions	ROI connectivity per session
Task/condition differences	Average ROI connectivity across tasks/conditions	ROI connectivity per task/condition
Multimodal neuroimaging	Average ROI connectivity across neuroimaging modalities	ROI connectivity per neuroimaging modality
Temporal profiling of network structure (e.g., dynamic functional connectivity)	Average ROI connectivity across time within scanning session (e.g., across sliding windows)	ROI connectivity per time chunk (e.g. per window)