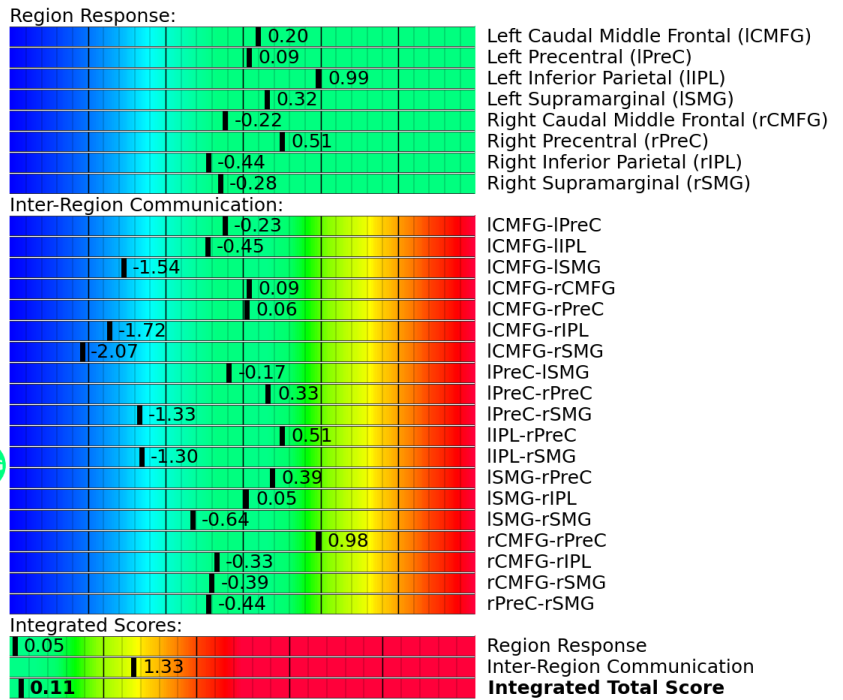
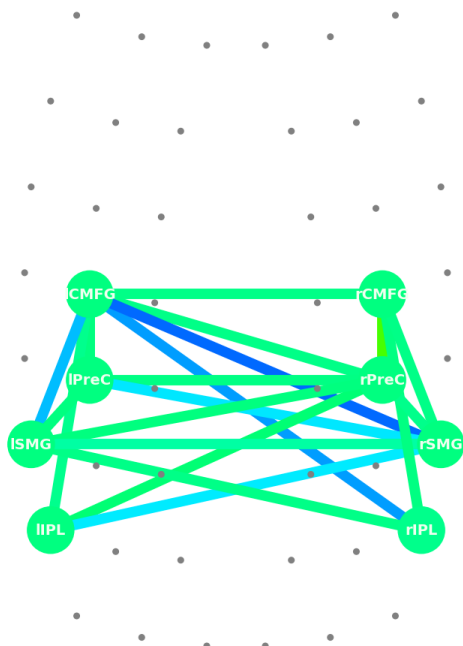
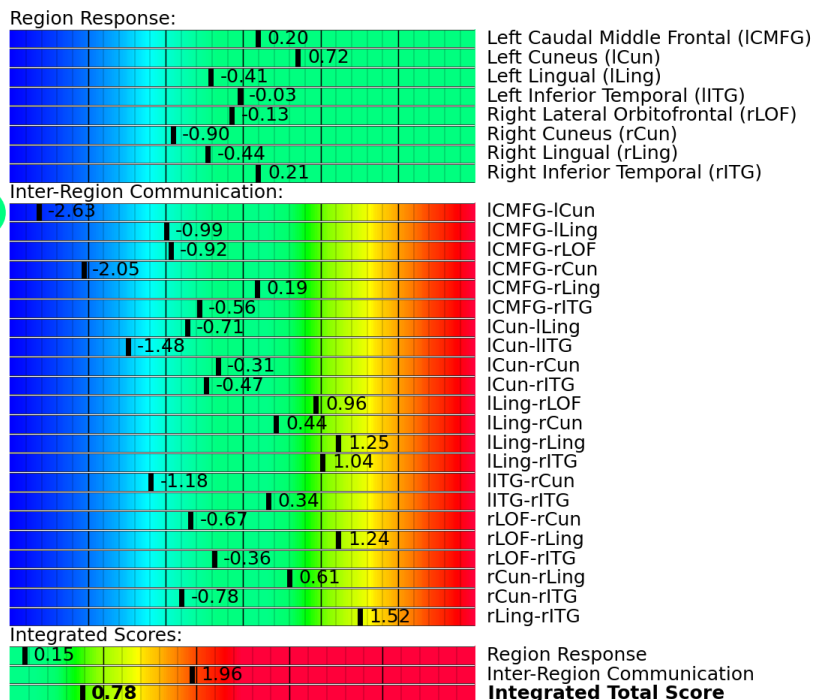
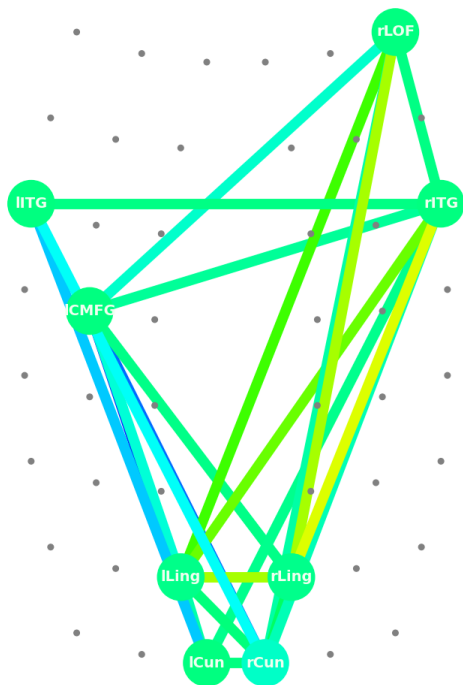


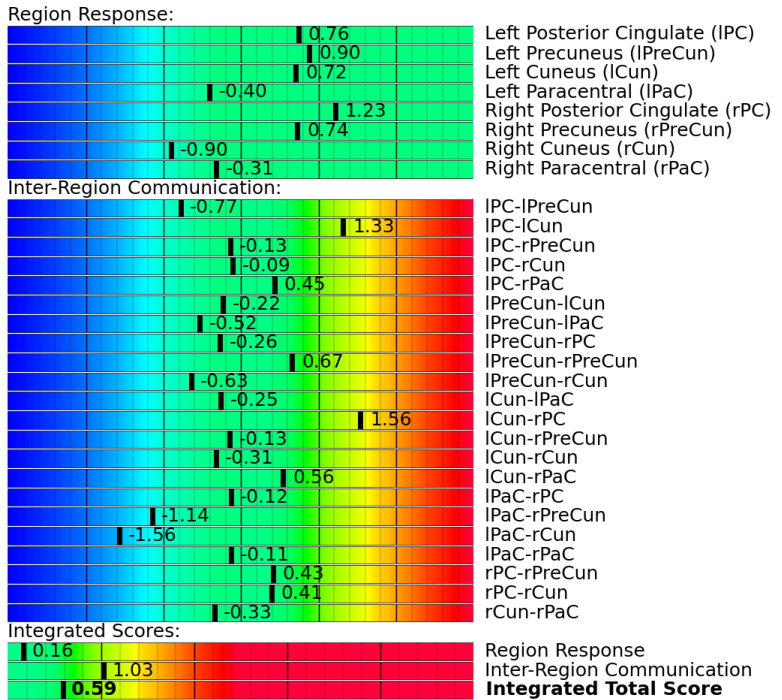
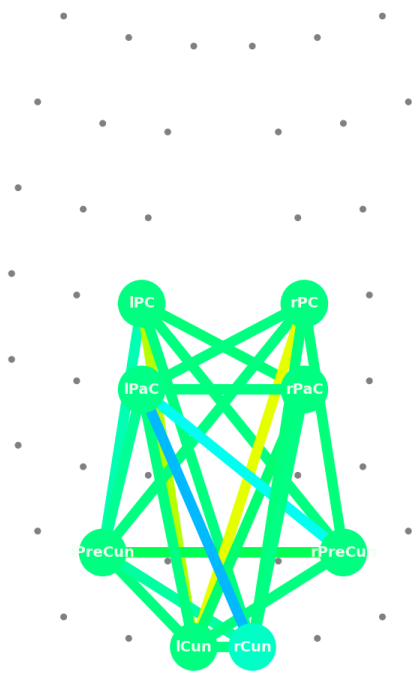
1. Target Search



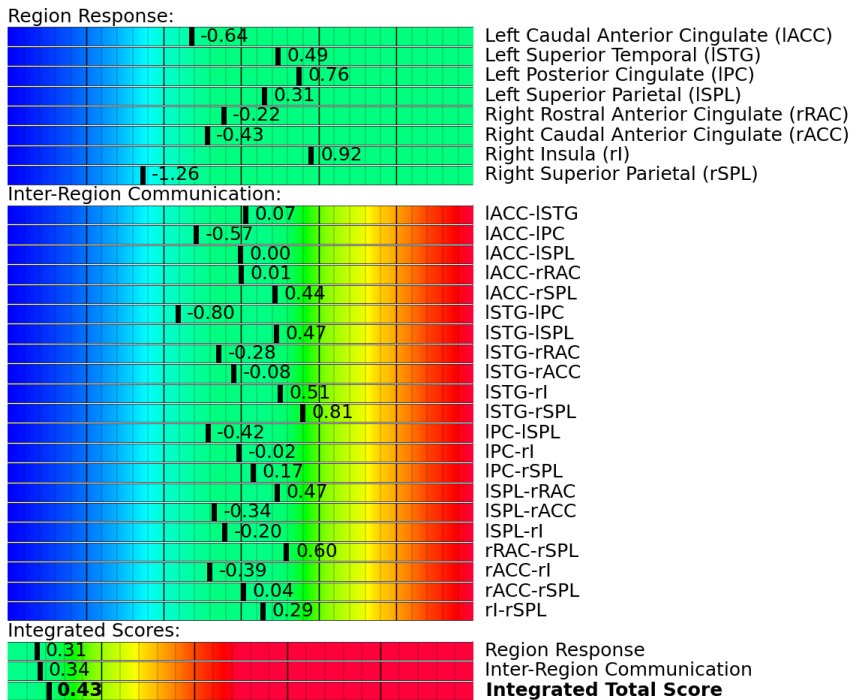
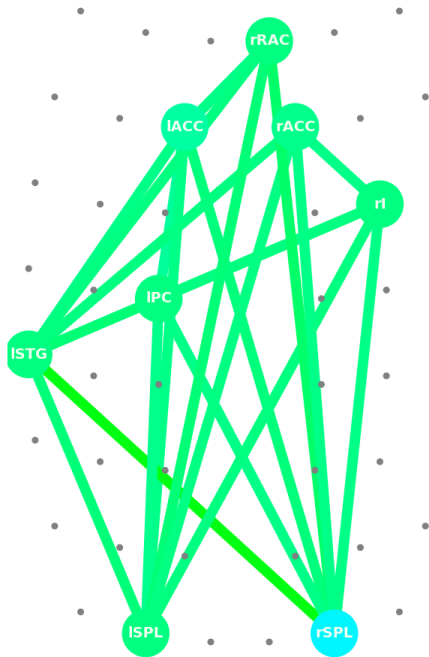
2. Visual Feature Detection



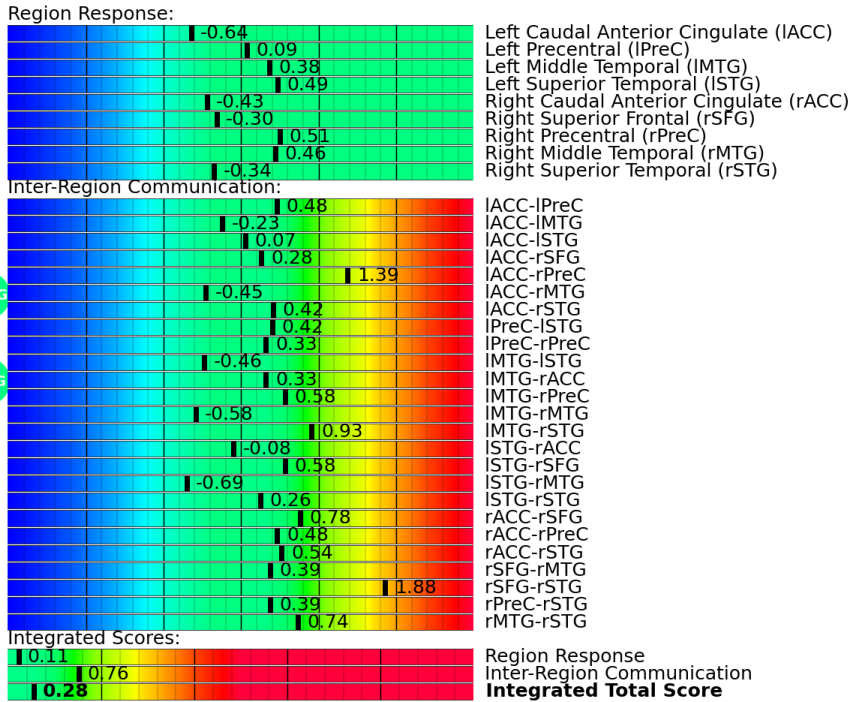
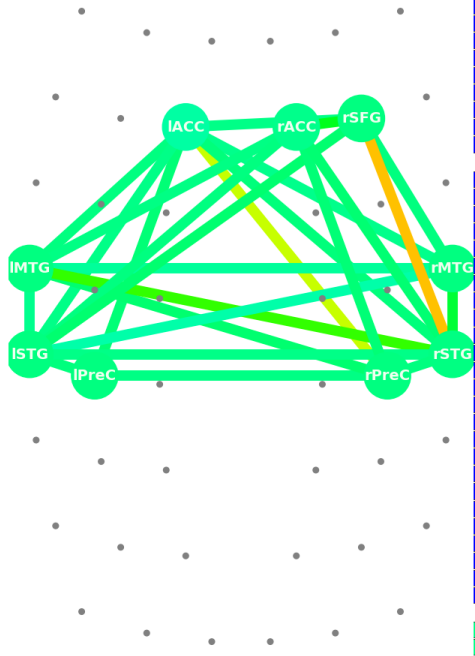
5. Mental Imagery



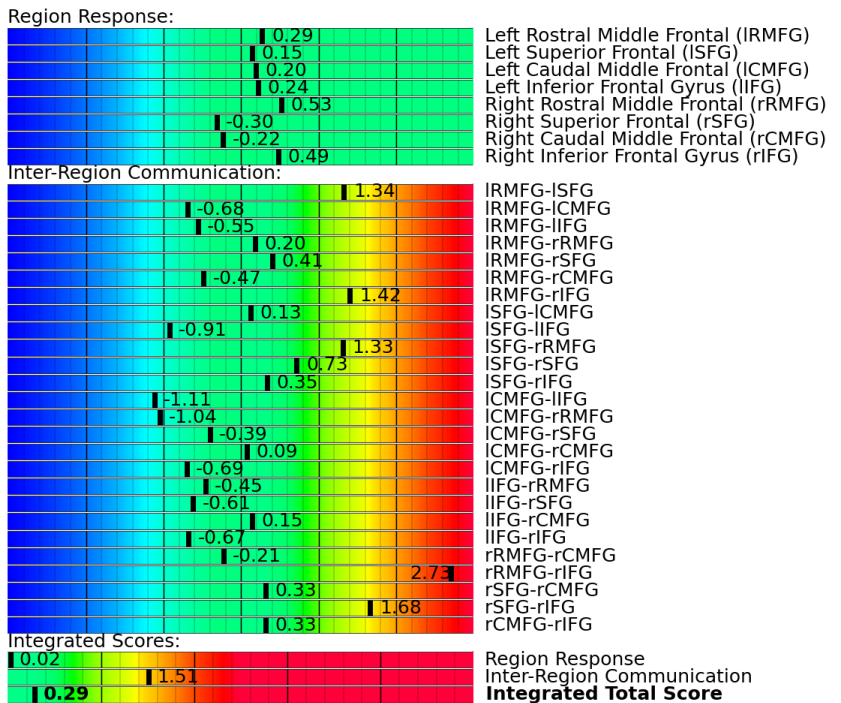
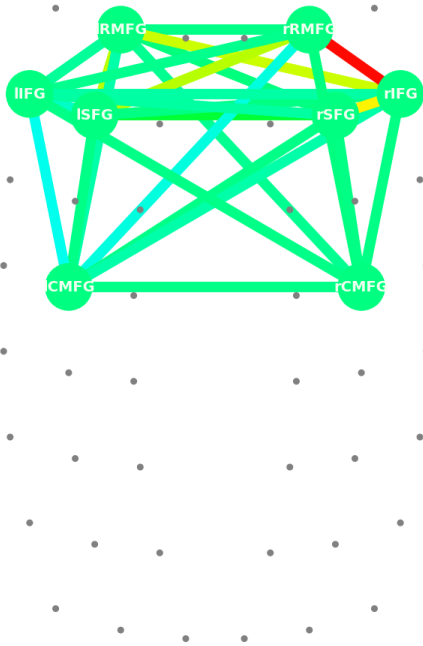
6. Attention Selection



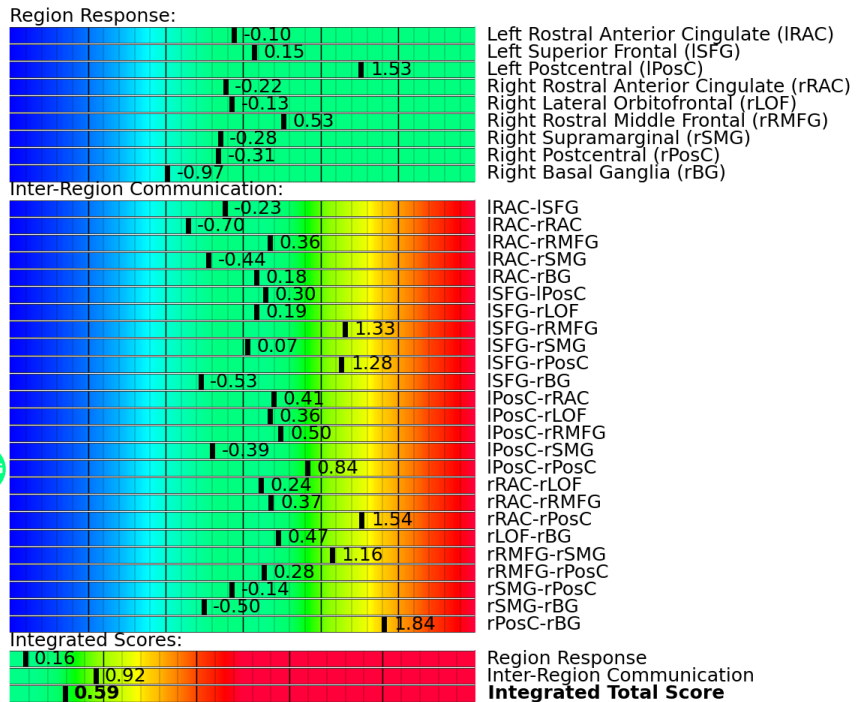
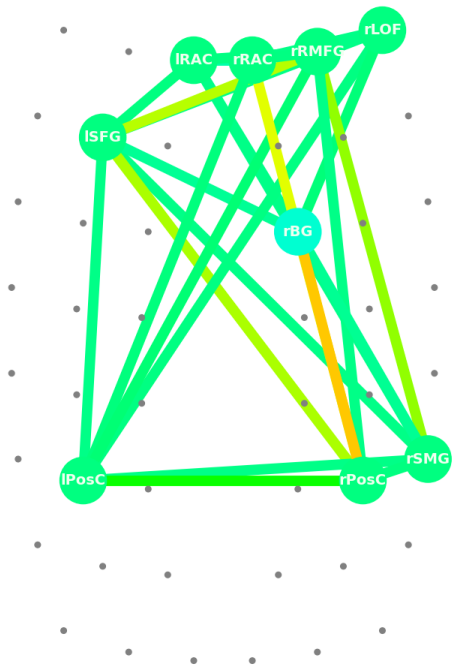
7. Distraction Suppression



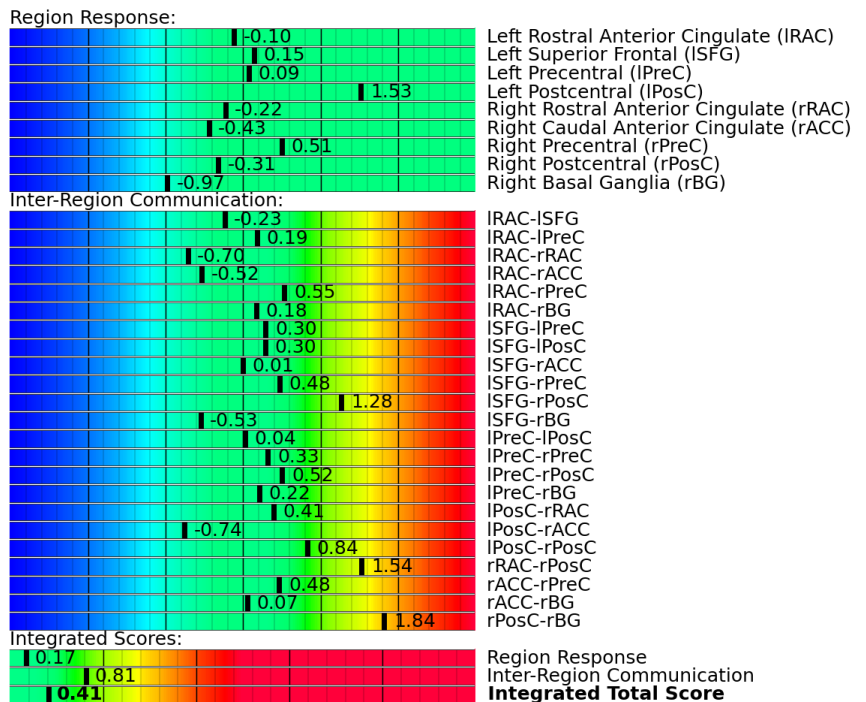
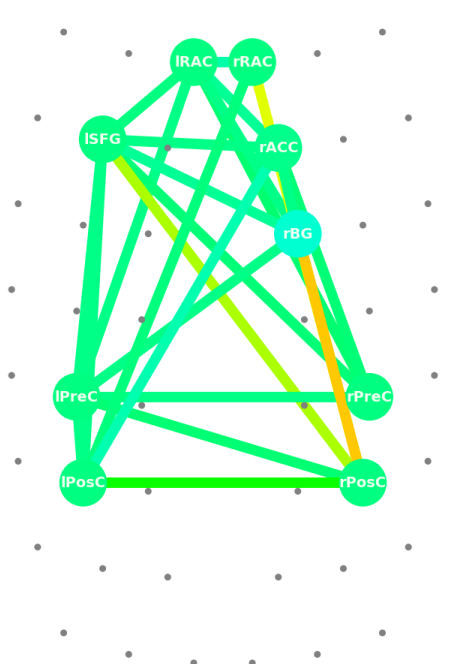
8. Logical Reasoning



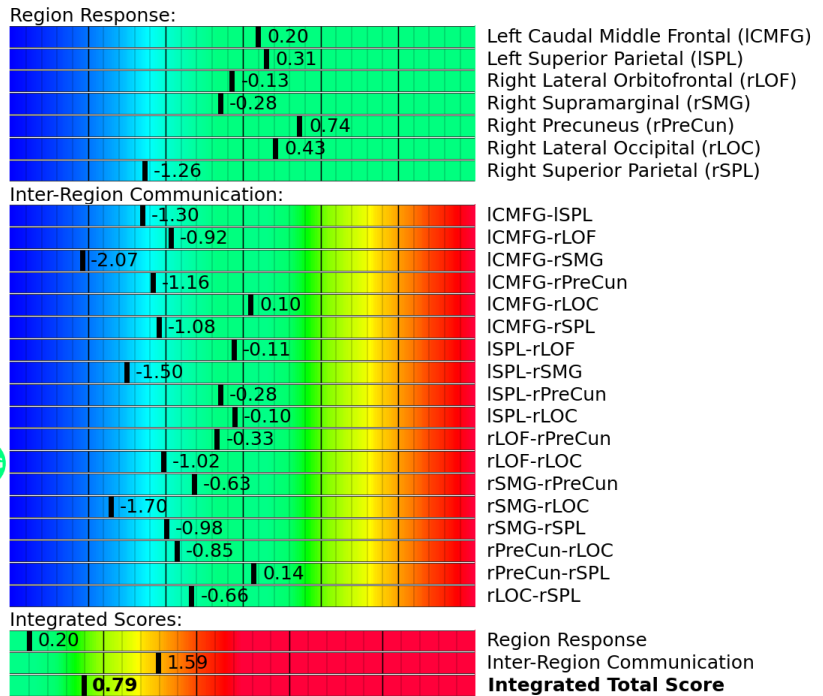
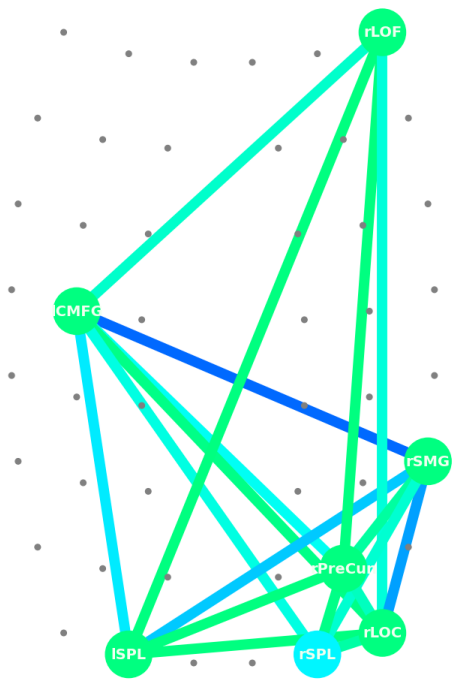
9. Decision Making



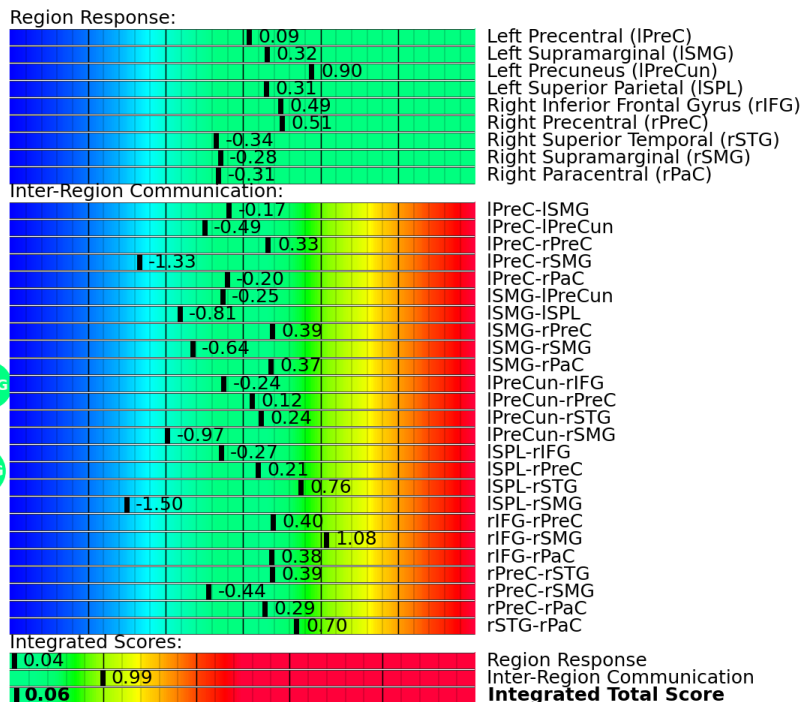
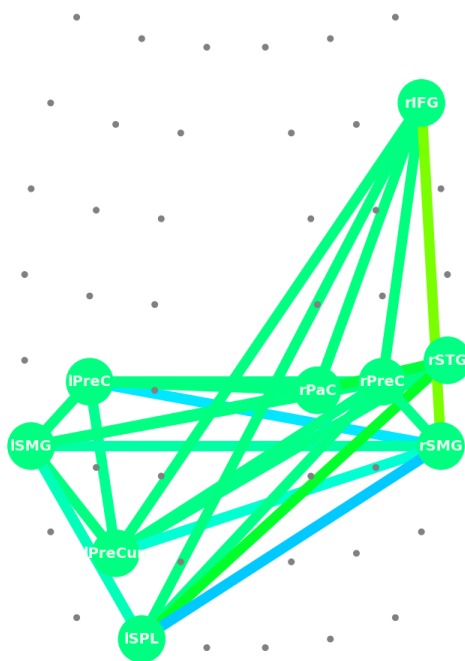
10. Processing Speed



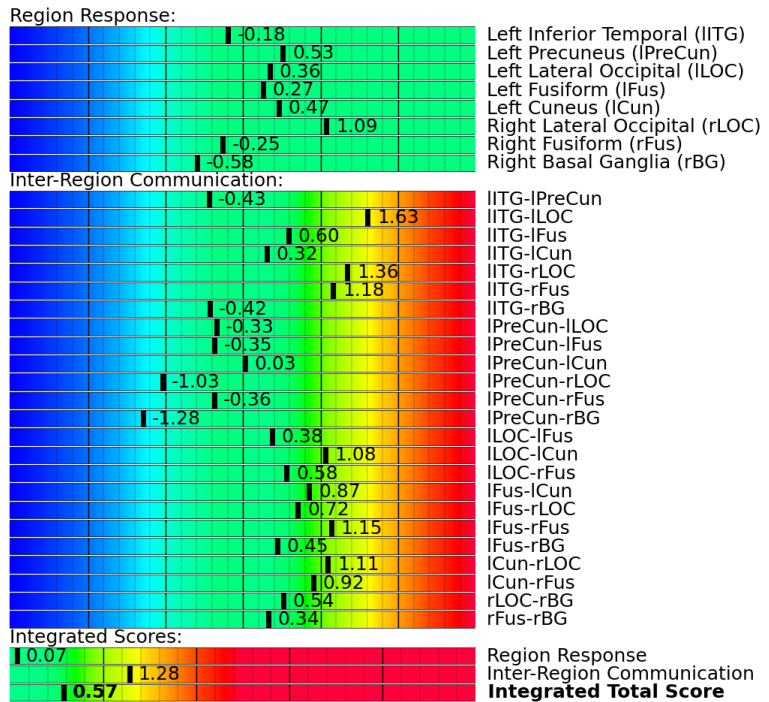
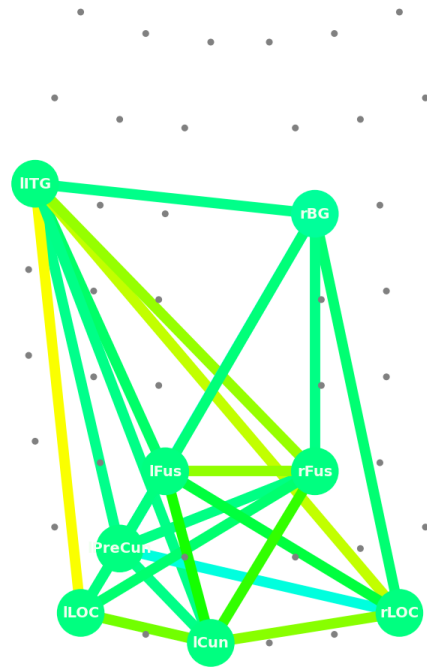
11. Task Integration



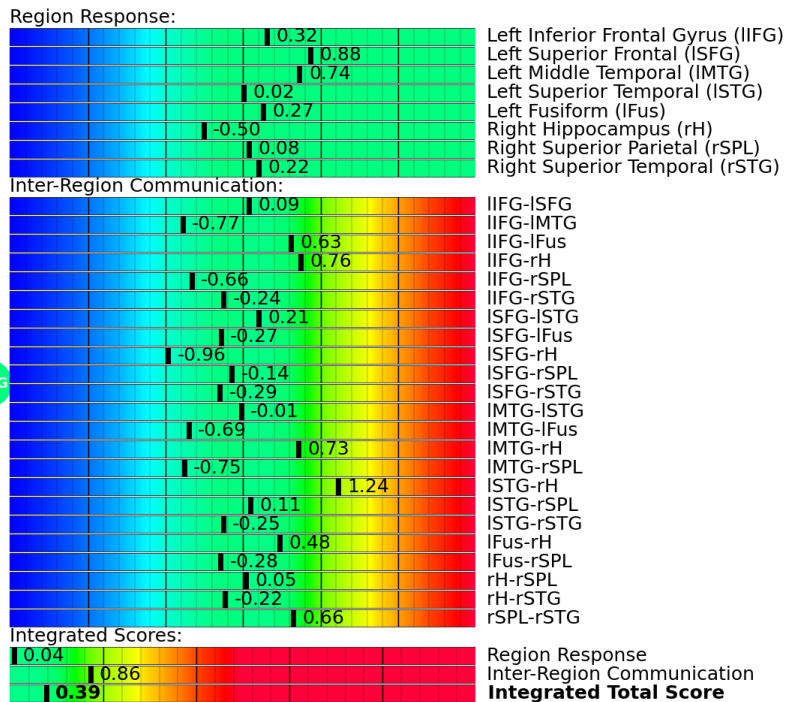
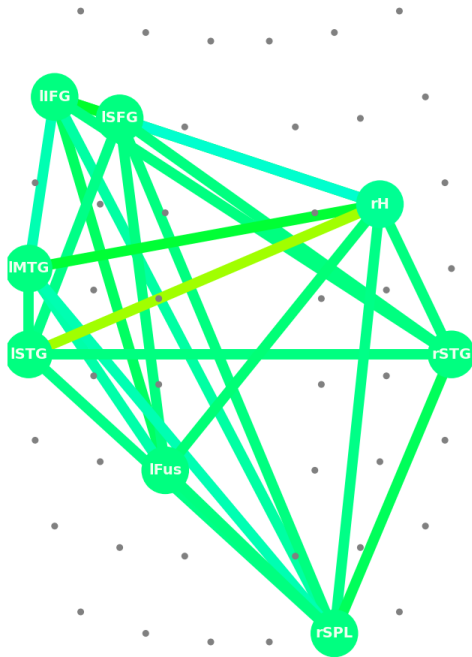
12. Mental Flexibility



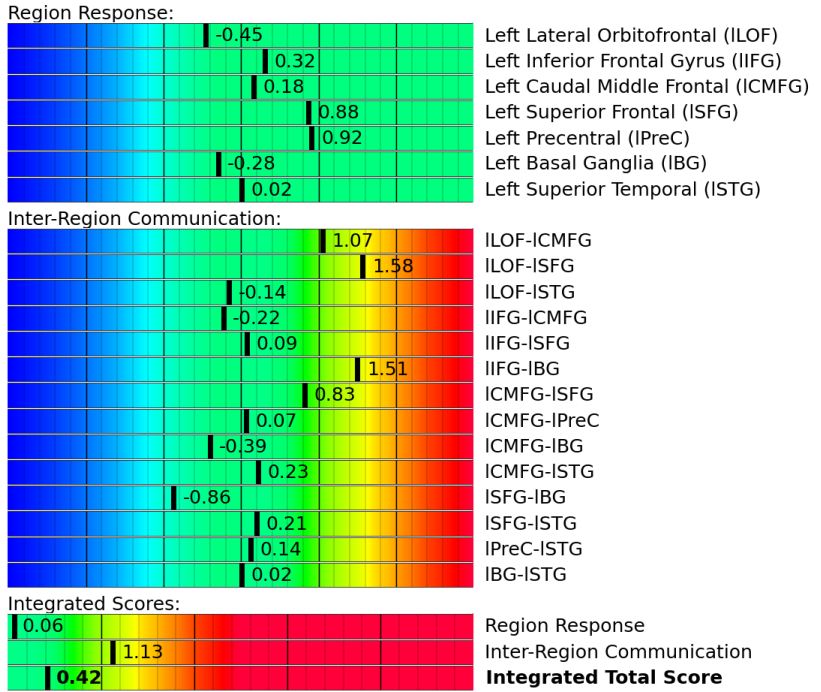
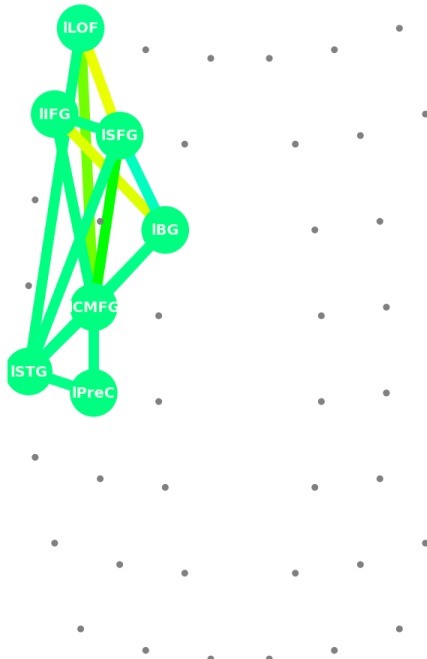
13. Object Identification



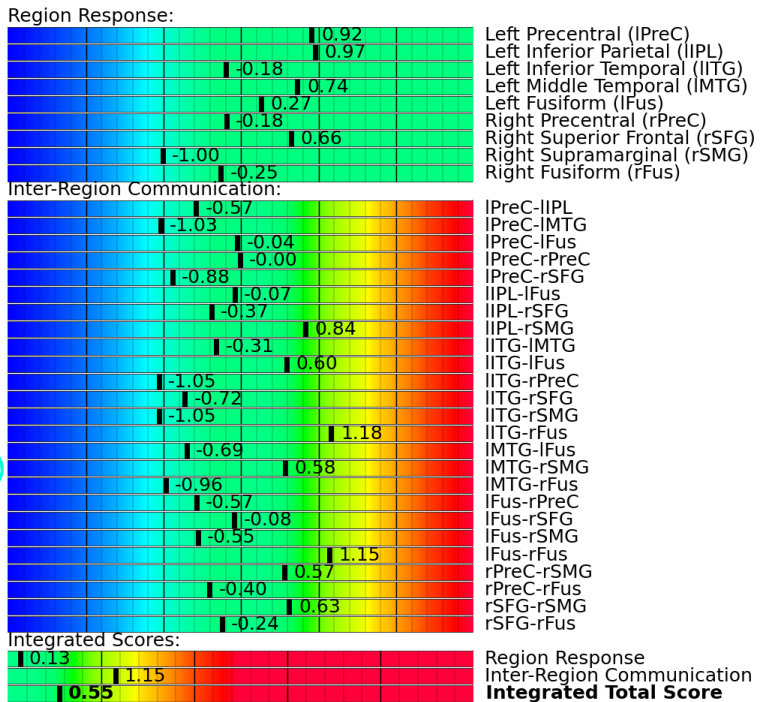
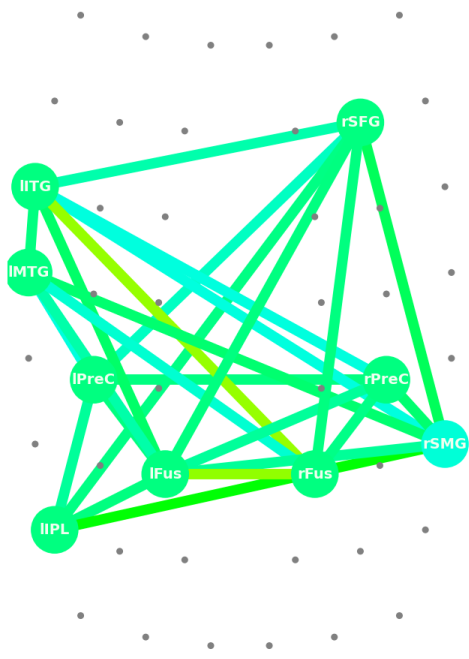
14. Name Retrieval



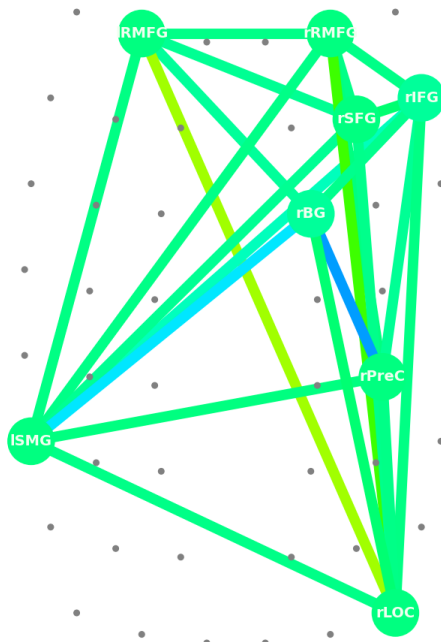
15. Phonological Loop



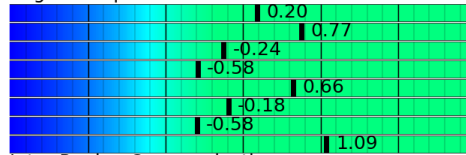
16. Long Term Memory Encoding



17. Verbal Working Memory

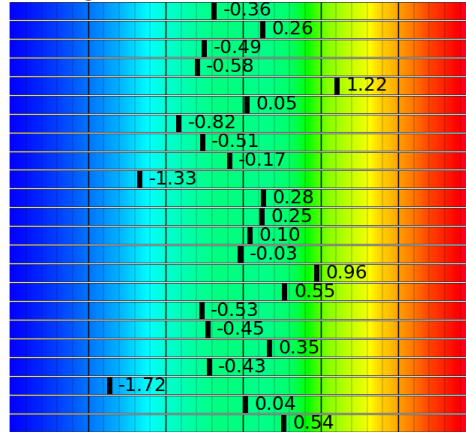


Region Response:



Left Rostral Middle Frontal (IRMFG)
Left Supramarginal (ISMG)
Right Rostral Middle Frontal (rRMFG)
Right Inferior Frontal Gyrus (rIFG)
Right Superior Frontal (rSFG)
Right Precentral (rPreC)
Right Basal Ganglia (rBG)
Right Lateral Occipital (rLOC)

Inter-Region Communication:



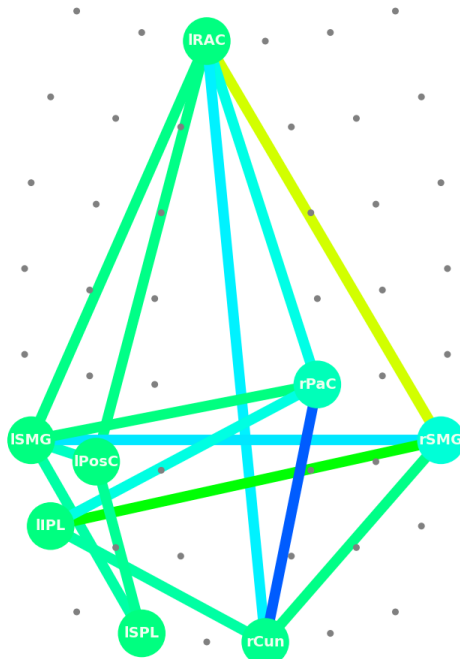
IRMFG-ISMG
IRMFG-rRMFG
IRMFG-rSFG
IRMFG-rBG
IRMFG-rLOC
ISMG-rRMFG
ISMG-rIFG
ISMG-rSFG
ISMG-rPreC
ISMG-rBG
ISMG-rLOC
rRMFG-rIFG
rRMFG-rSFG
rRMFG-rPreC
rRMFG-rLOC
rIFG-rSFG
rIFG-rPreC
rIFG-rBG
rIFG-rLOC
rSFG-rLOC
rPreC-rBG
rPreC-rLOC
rBG-rLOC

Integrated Scores:

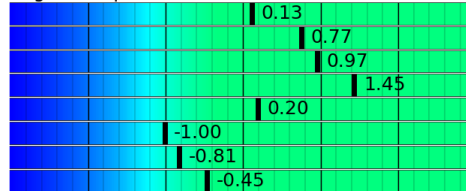


Region Response
Inter-Region Communication
Integrated Total Score

18. Internal Monitoring

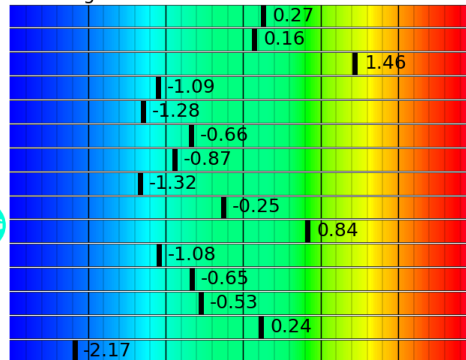


Region Response:



Left Rostral Anterior Cingulate (IRAC)
Left Supramarginal (ISMG)
Left Inferior Parietal (IIPL)
Left Superior Parietal (ISPL)
Left Postcentral (IPoS)
Right Supramarginal (rSMG)
Right Paracentral (rPaC)
Right Cuneus (rCun)

Inter-Region Communication:



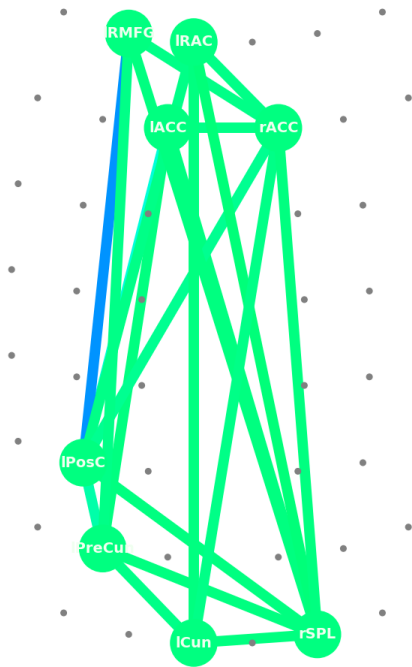
IRAC-ISMG
IRAC-IPoSC
IRAC-rSMG
IRAC-rPaC
IRAC-rCun
ISMG-ISPL
ISMG-IPoSC
ISMG-rSMG
ISMG-rPaC
IIPL-rSMG
IIPL-rPaC
IIPL-rCun
ISPL-IPoSC
rSMG-rCun
rPaC-rCun

Integrated Scores:

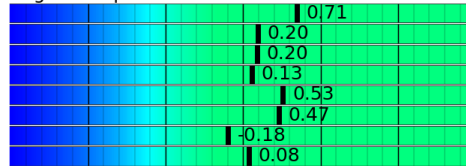


Region Response
Inter-Region Communication
Integrated Total Score

19. Multitask Management

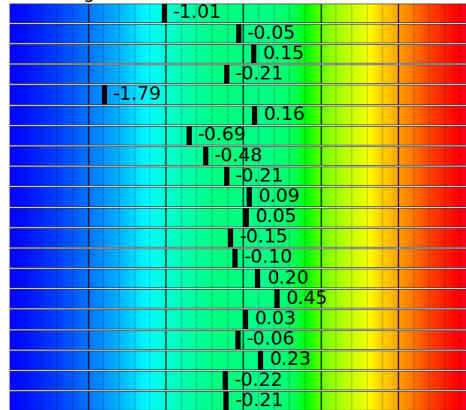


Region Response:



Left Caudal Anterior Cingulate (IACC)
Left Postcentral (IPosC)
Left Rostral Middle Frontal (IRMFG)
Left Rostral Anterior Cingulate (IRAC)
Left Precuneus (IPreCun)
Left Cuneus (ICun)
Right Caudal Anterior Cingulate (rACC)
Right Superior Parietal (rSPL)

Inter-Region Communication:



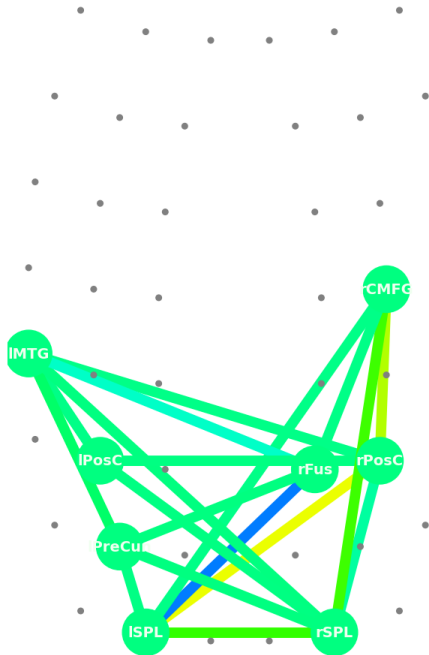
IACC-IPosC
IACC-IPreCun
IACC-rACC
IACC-rSPL
IPosC-IRMFG
IPosC-IRAC
IPosC-IPreCun
IPosC-rACC
IPosC-rSPL
IRMFG-IPreCun
IRMFG-rACC
IRMFG-rSPL
IRAC-ICun
IRAC-rACC
IRAC-rSPL
IPreCun-ICun
IPreCun-rSPL
ICun-rACC
ICun-rSPL
rACC-rSPL

Integrated Scores:

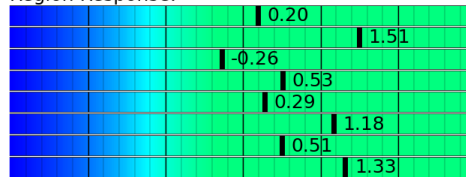


Region Response
Inter-Region Communication
Integrated Total Score

20. Reading Comprehension

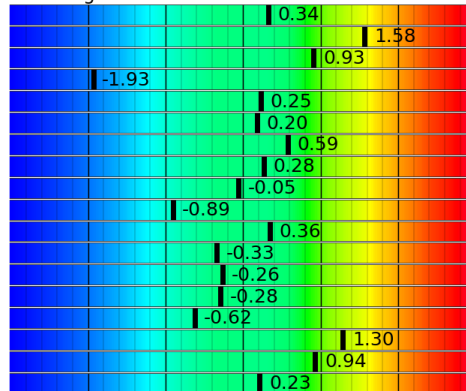


Region Response:



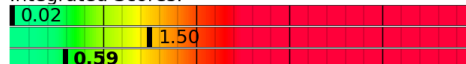
Left Superior Parietal (ISPL)
Left Middle Temporal (IMTG)
Left Postcentral (IPosC)
Left Precuneus (IPreCun)
Right Postcentral (rPosC)
Right Superior Parietal (rSPL)
Right Fusiform (rFus)
Right Caudal Middle Frontal (rCMFG)

Inter-Region Communication:



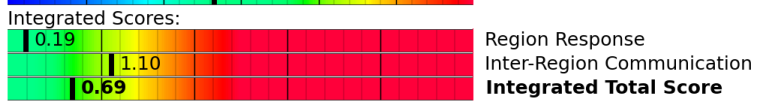
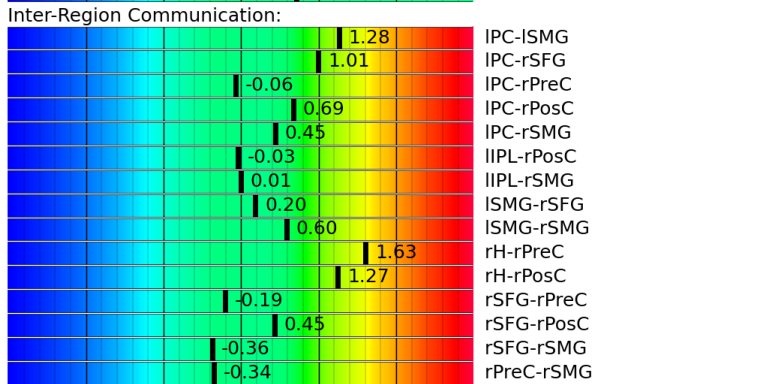
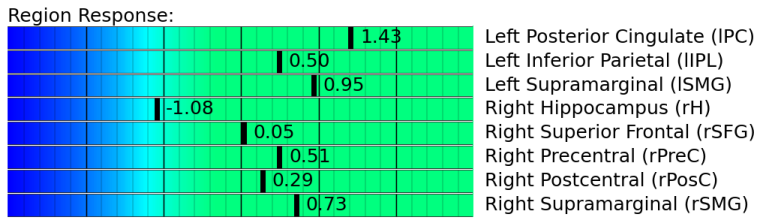
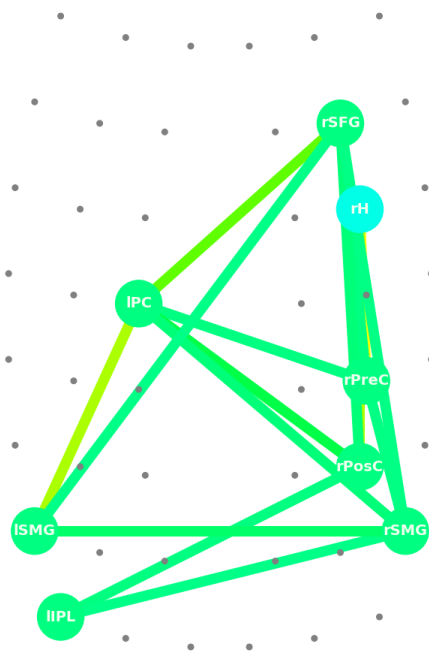
ISPL-IPreCun
ISPL-rPosC
ISPL-rSPL
ISPL-rFus
ISPL-rCMFG
IMTG-IPosC
IMTG-IPreCun
IMTG-rPosC
IMTG-rSPL
IMTG-rFus
IPosC-rPosC
IPosC-rSPL
IPreCun-rSPL
IPreCun-rFus
rPosC-rSPL
rPosC-rCMFG
rSPL-rCMFG
rFus-rCMFG

Integrated Scores:

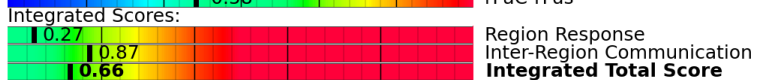
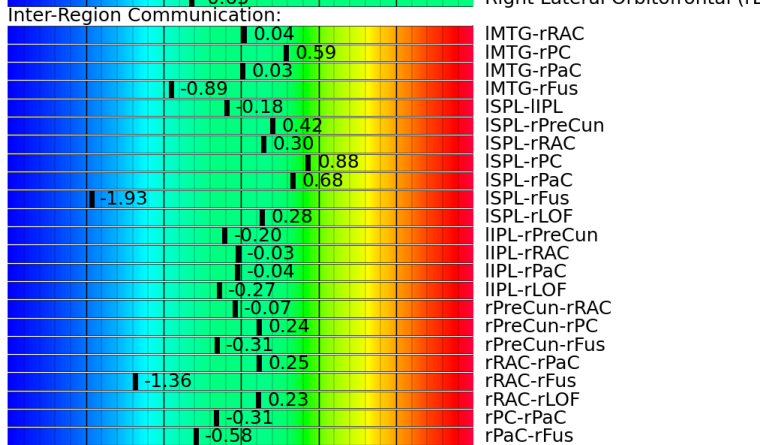
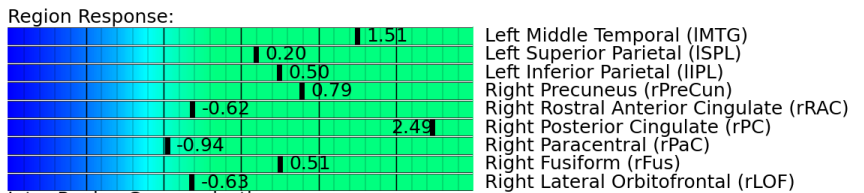
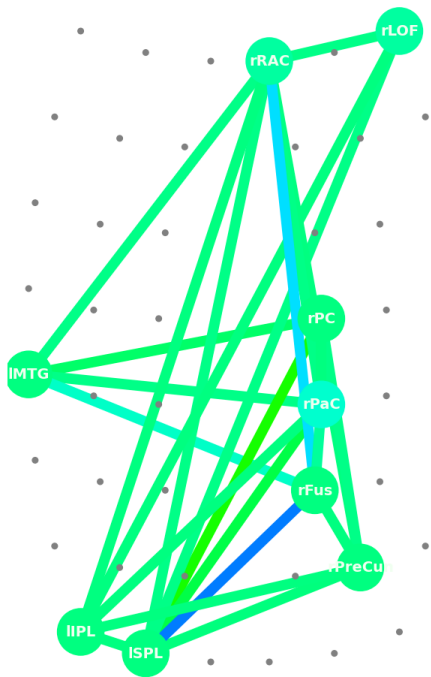


Region Response
Inter-Region Communication
Integrated Total Score

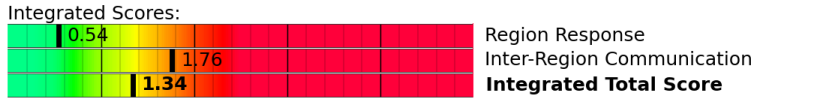
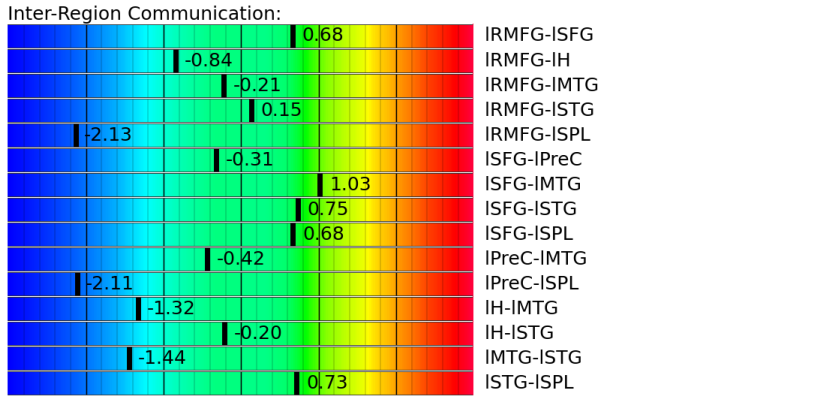
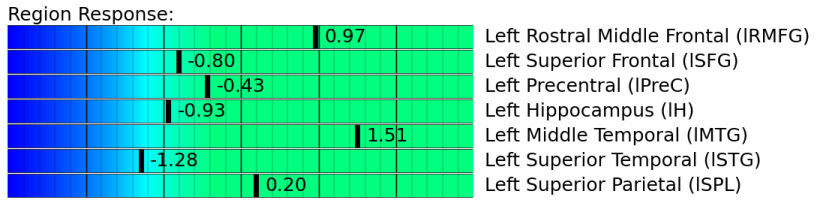
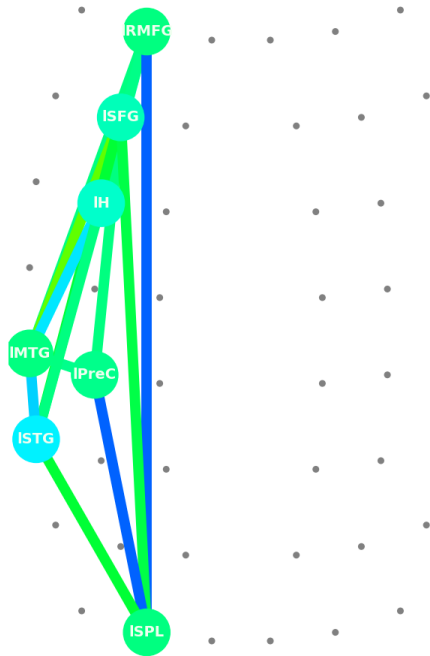
21. Declarative Memory Retrieval



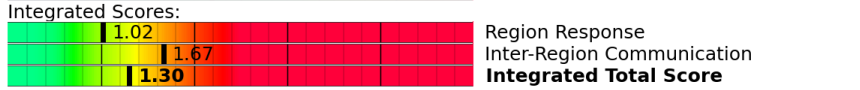
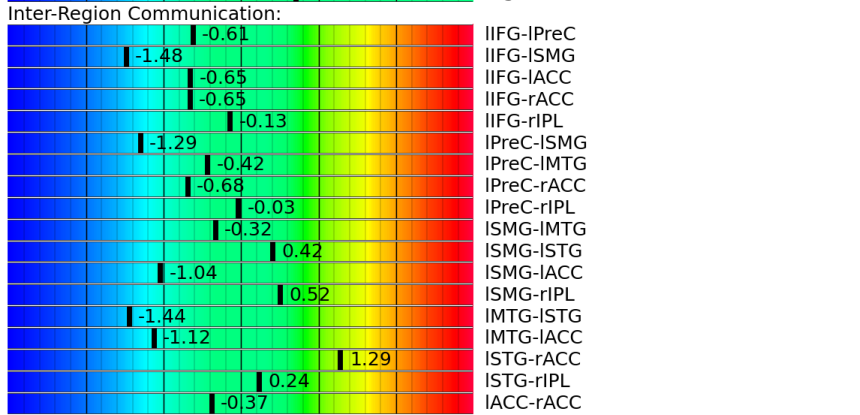
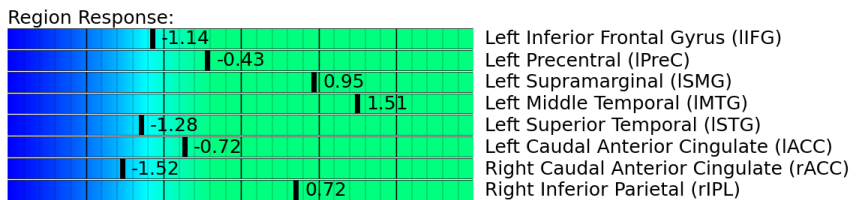
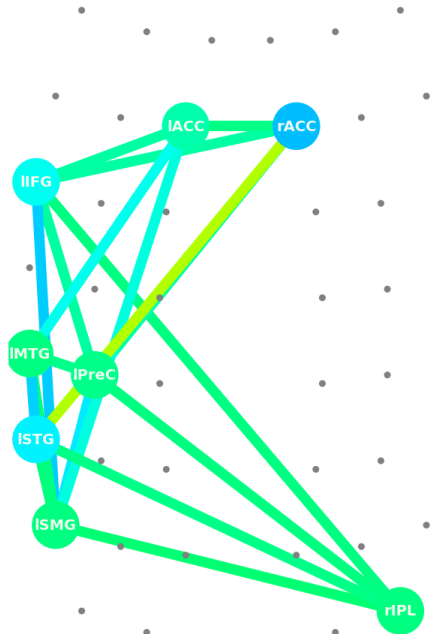
22. Episodic Memory Mapping



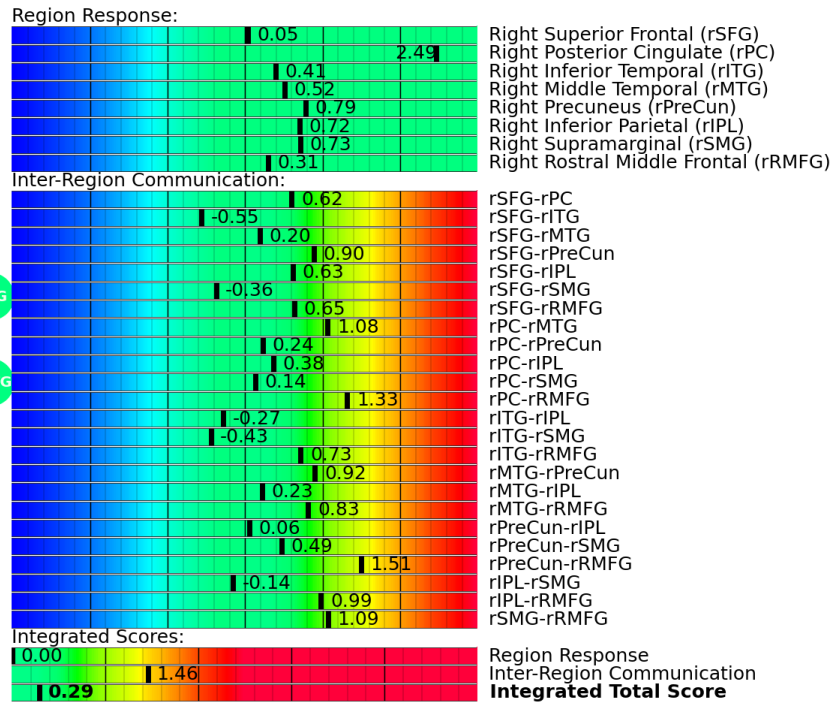
23. Word Retrieval



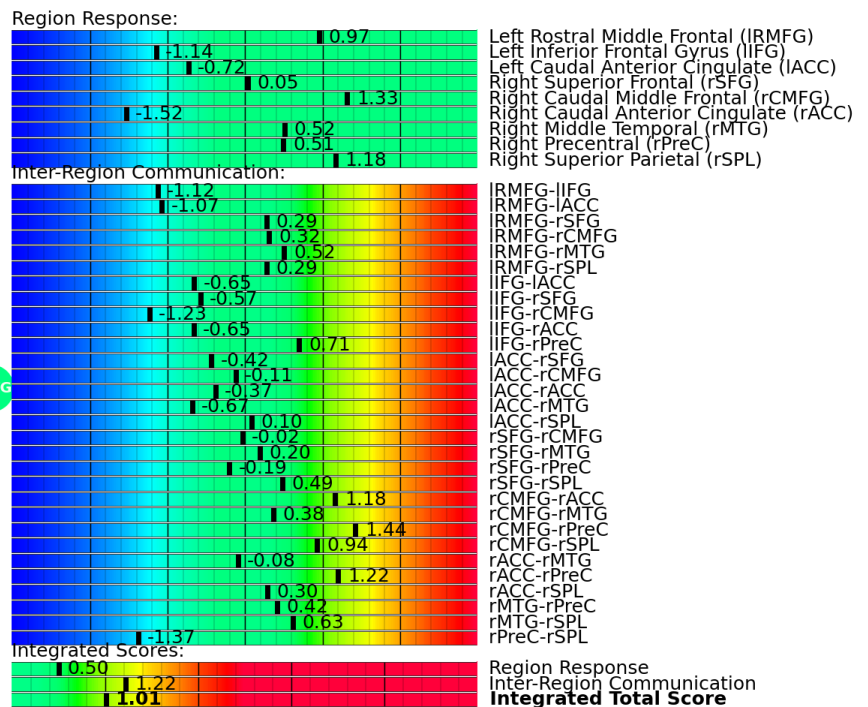
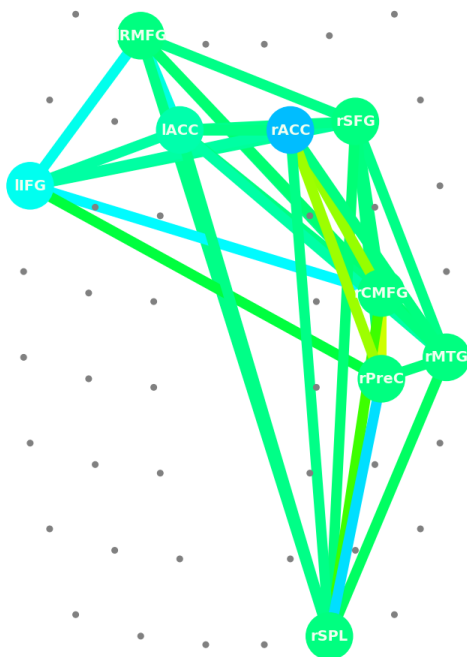
24. Word Production



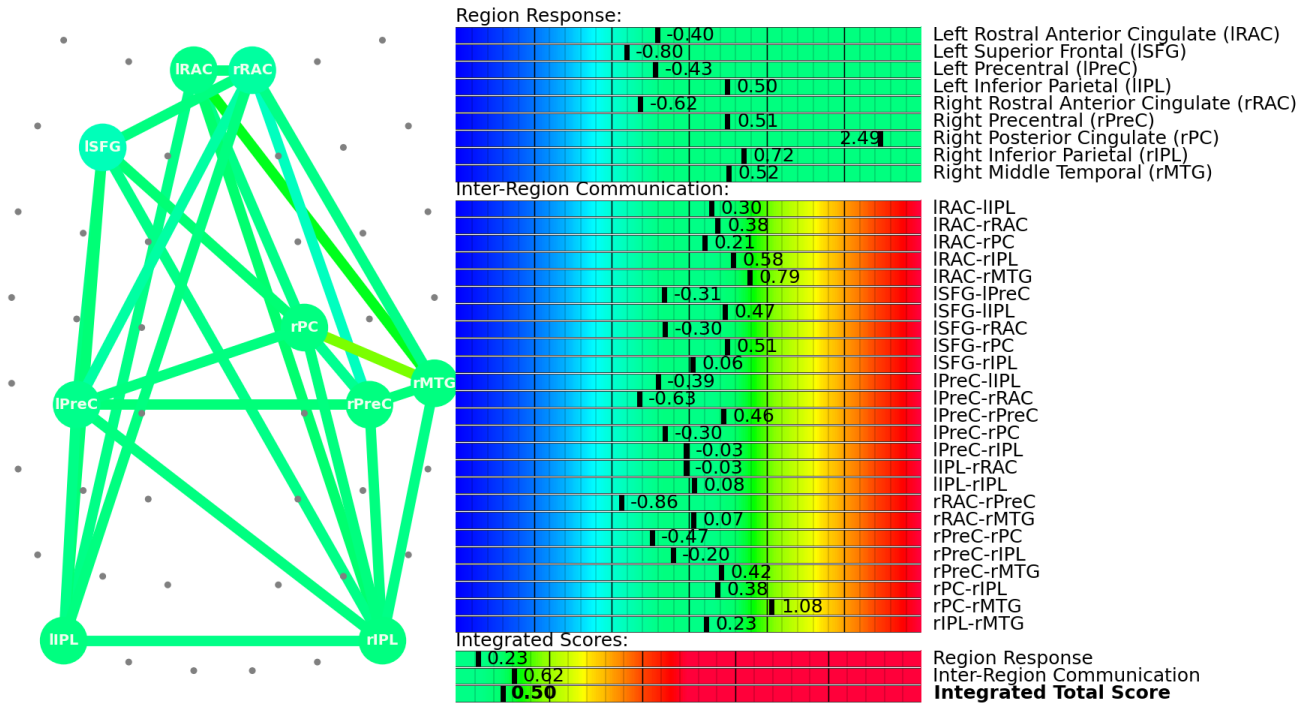
25. Divergent Thinking



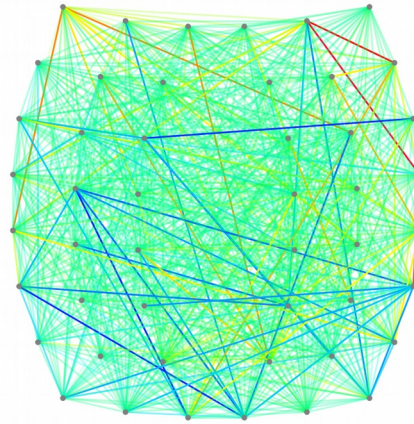
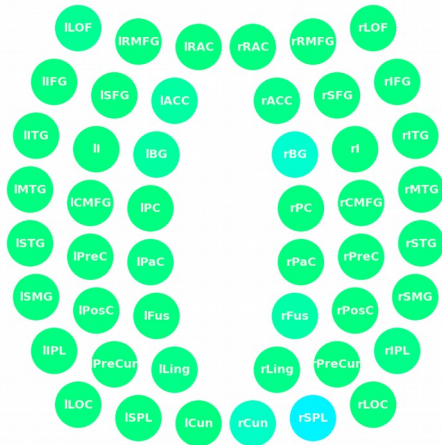
26. Attention Shifting



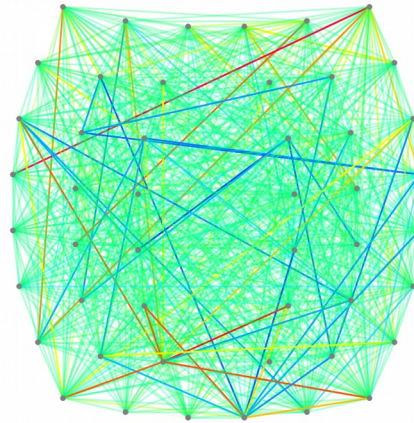
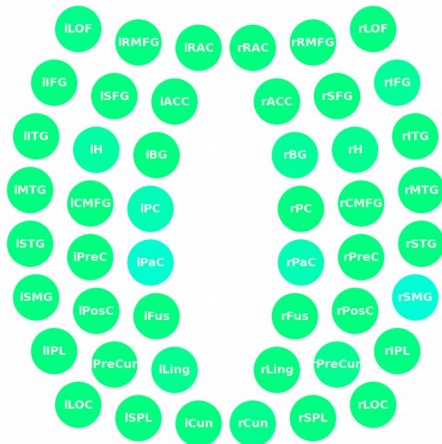
27. Response Accuracy



Test 1 - Matrix Reasoning Search Test (Functional Systems 1-12)



Test 2 - Picture Naming Memory Test (Functional Systems 13-19)



Test 3 - Verbal Fluency Category Test (Functional Systems 20-27)

