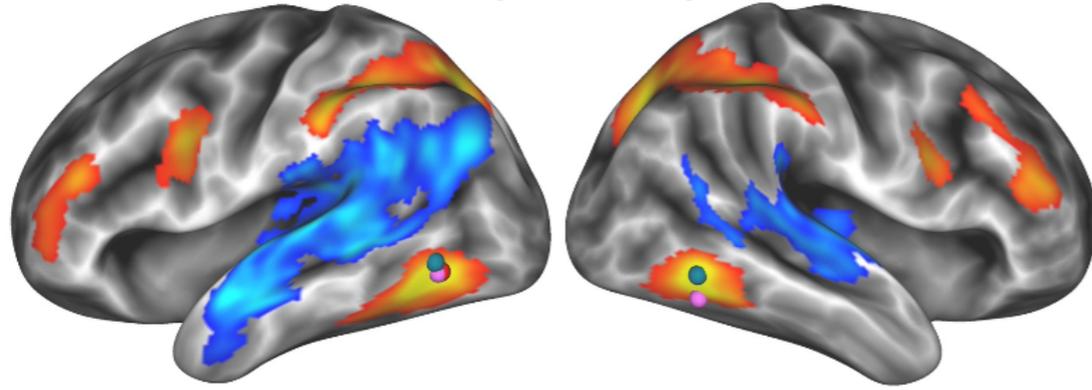


Supramodal shape representation in the human brain?

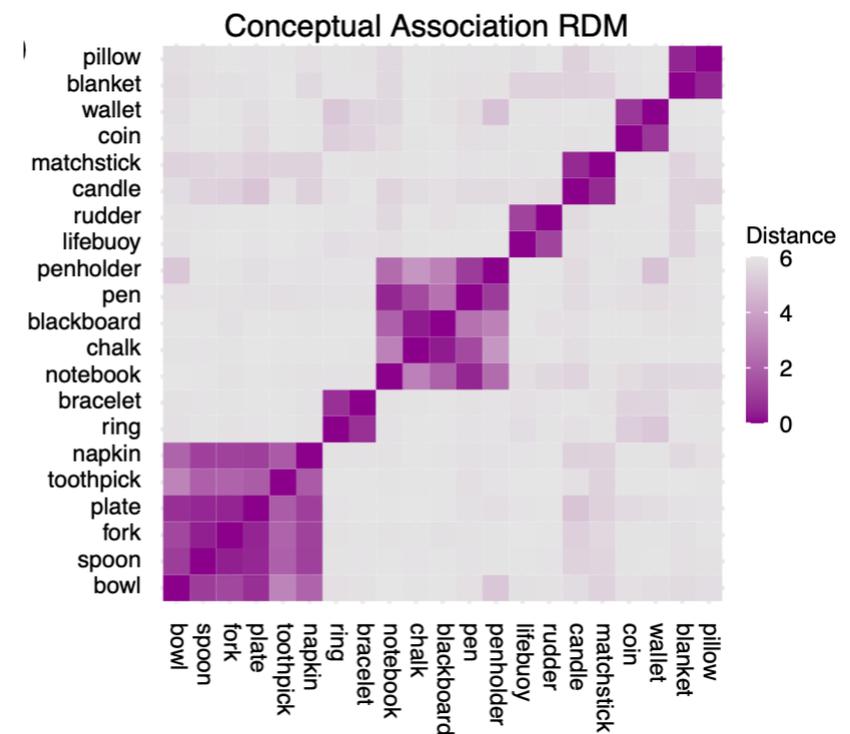
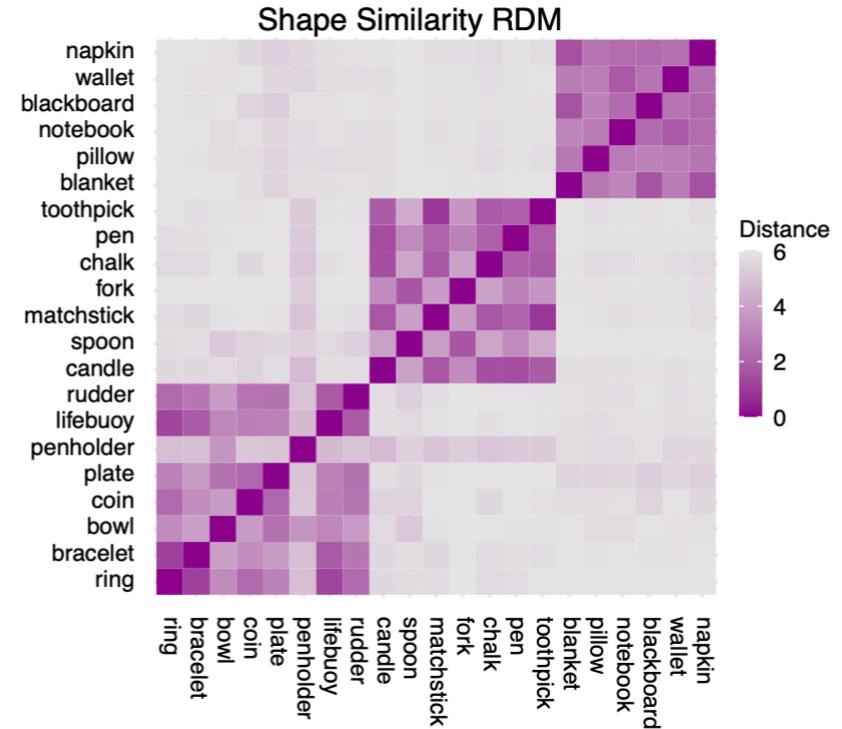
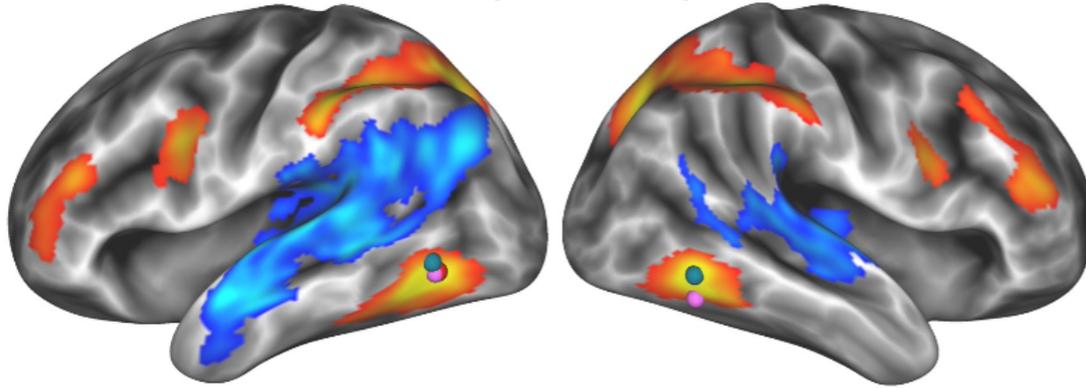
Supramodal shape representation in the human brain?

All (N = 48)



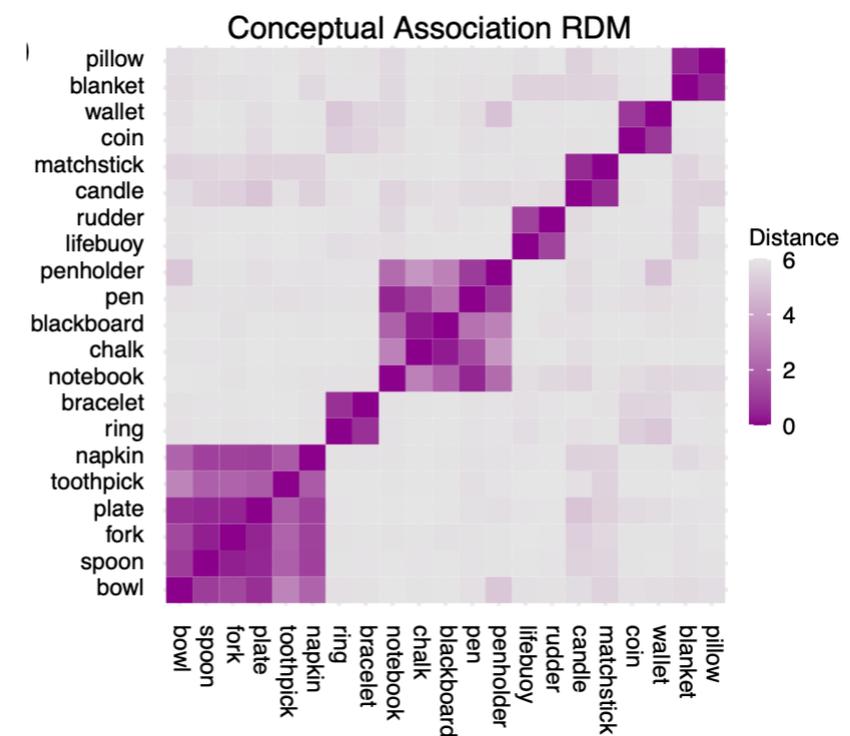
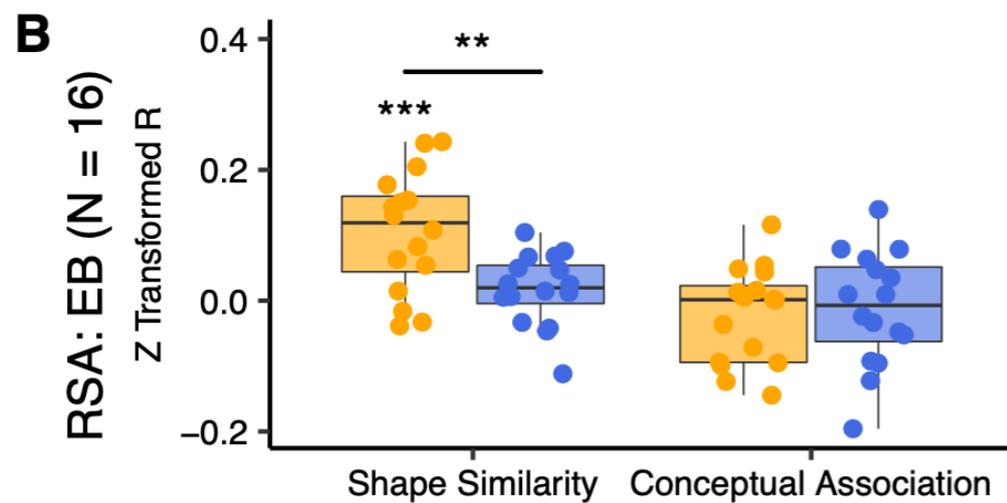
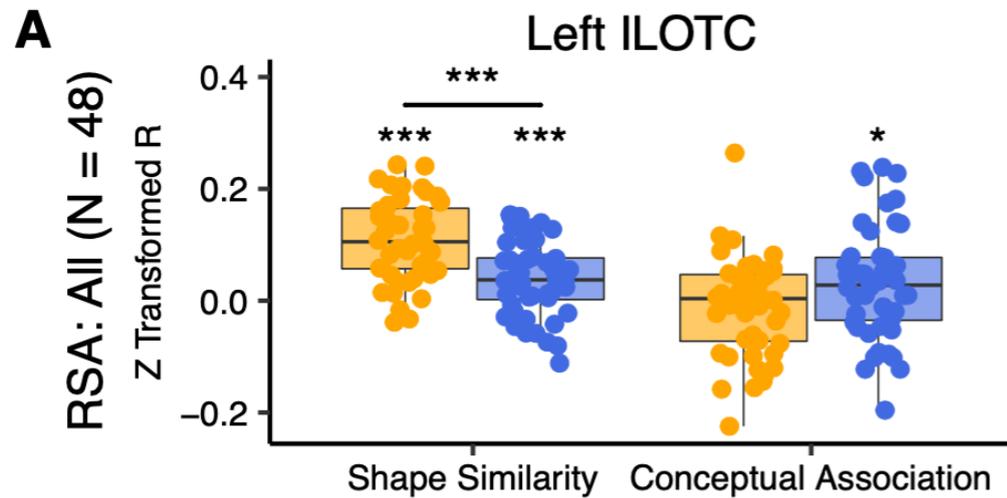
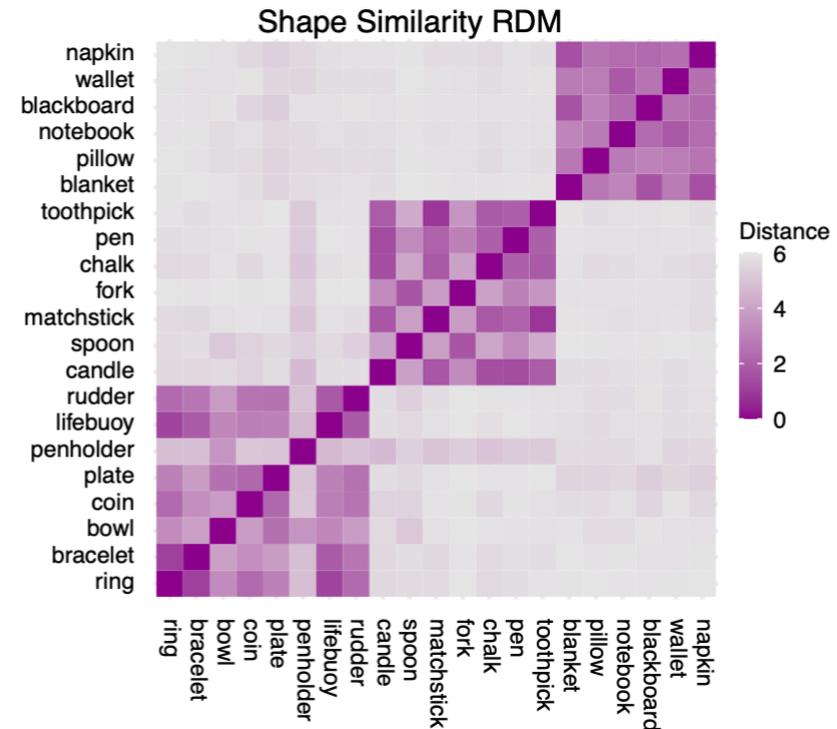
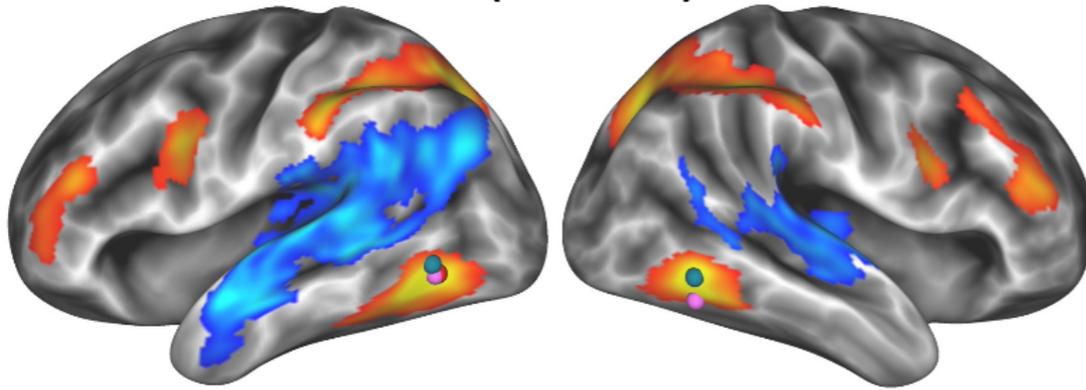
Supramodal shape representation in the human brain?

All (N = 48)

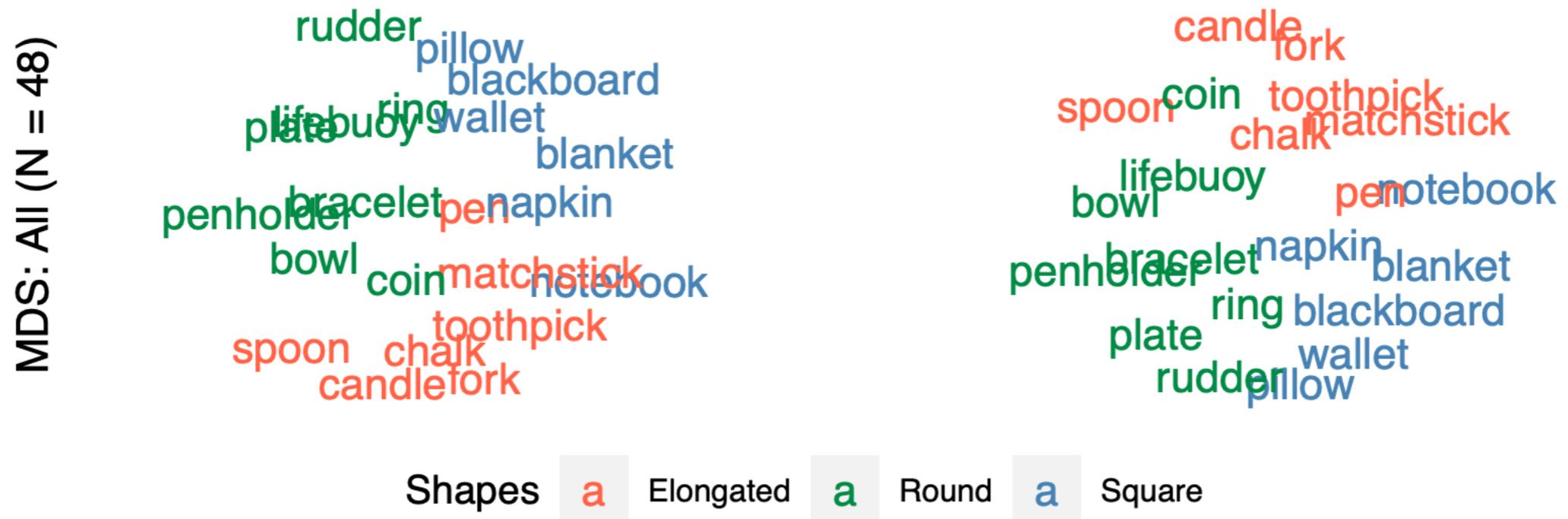


Supramodal shape representation in the human brain?

All (N = 48)

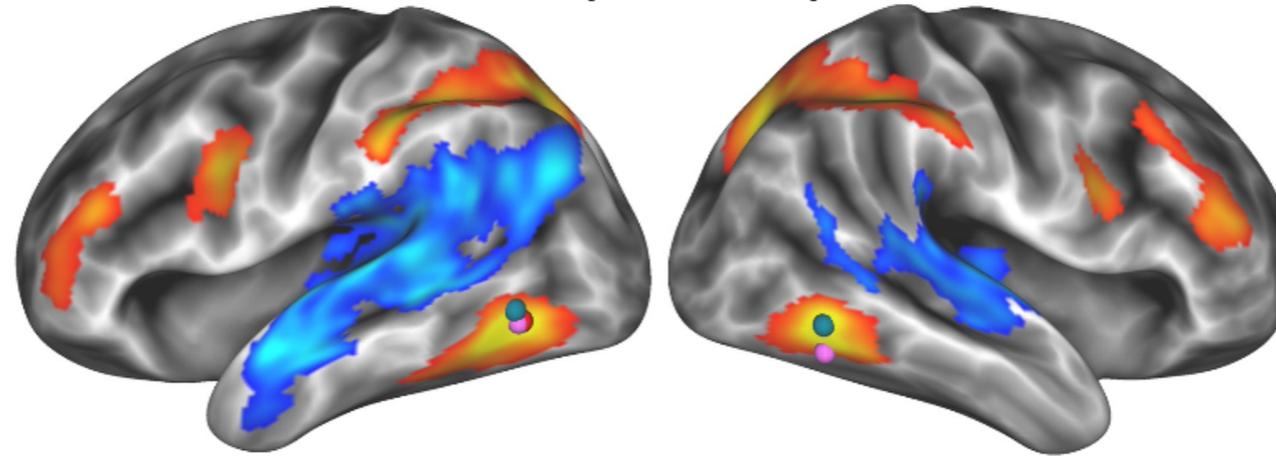


Supramodal shape representation in the human brain?

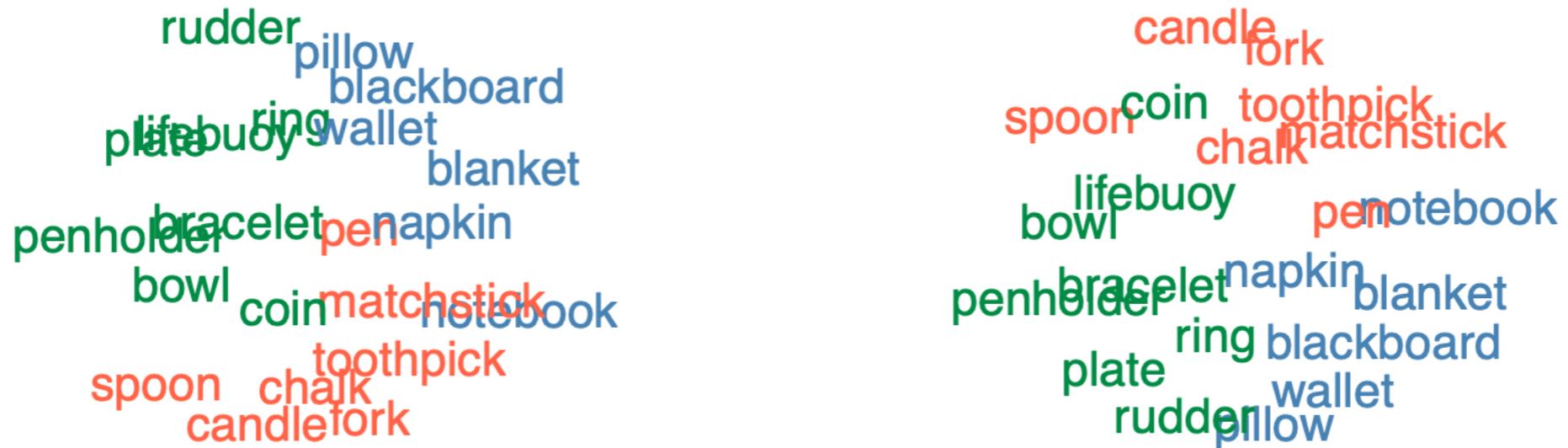


Supramodal shape representation in the human brain?

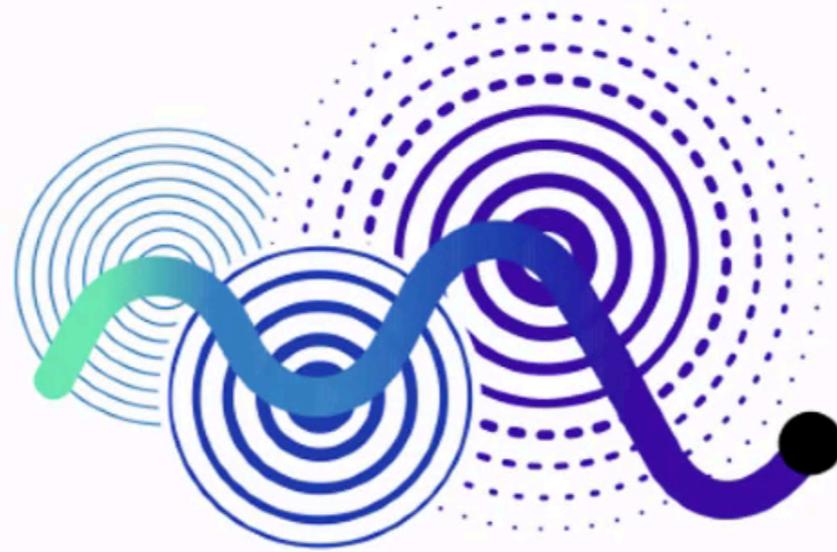
All (N = 48)



MDS: All (N = 48)



Shapes a Elongated a Round a Square



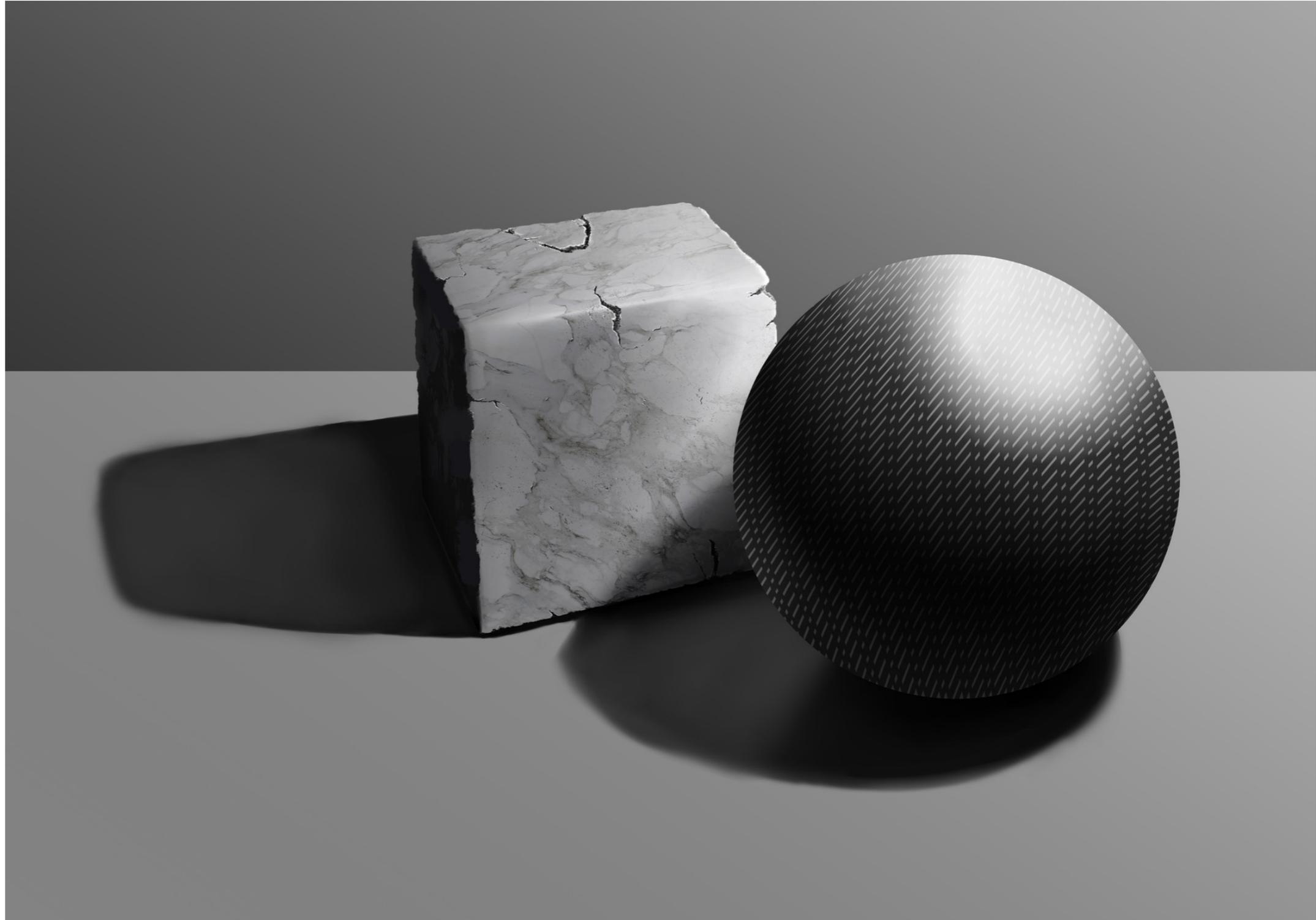
multi:TOUCH



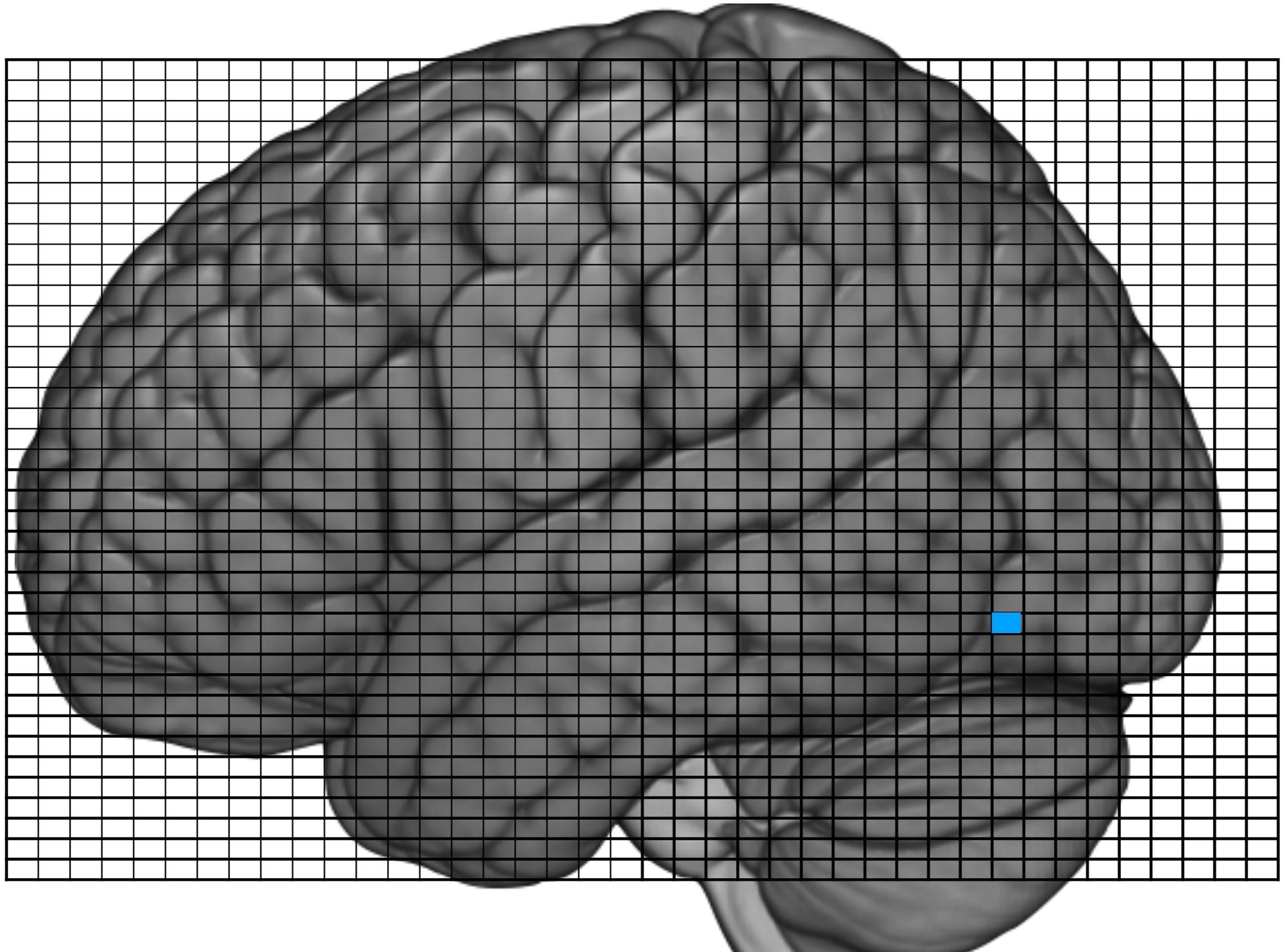
This project has received funding from the European Union's Horizon 2020 Research and Innovation Program under Grant Agreement No 860114



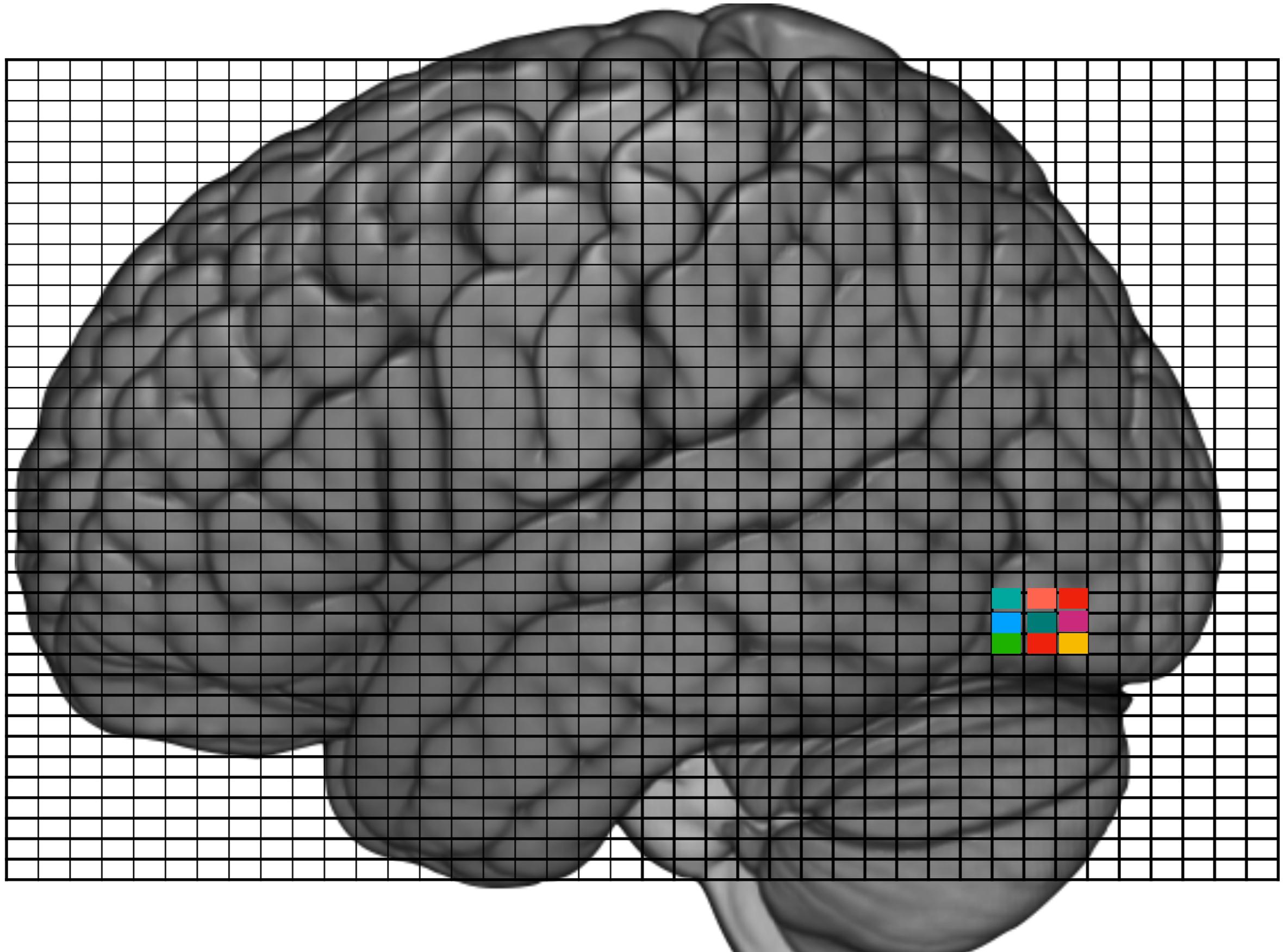
Molyneux's problem



UNIVARIATE APPROACH



MULTIVARIATE APPROACH

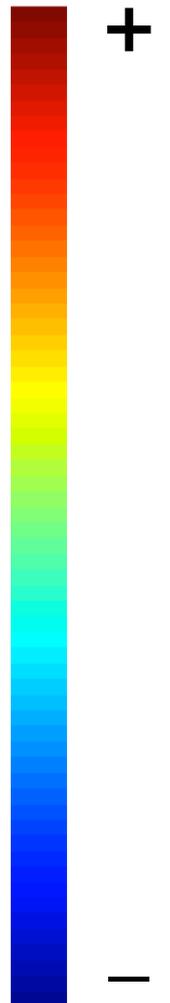
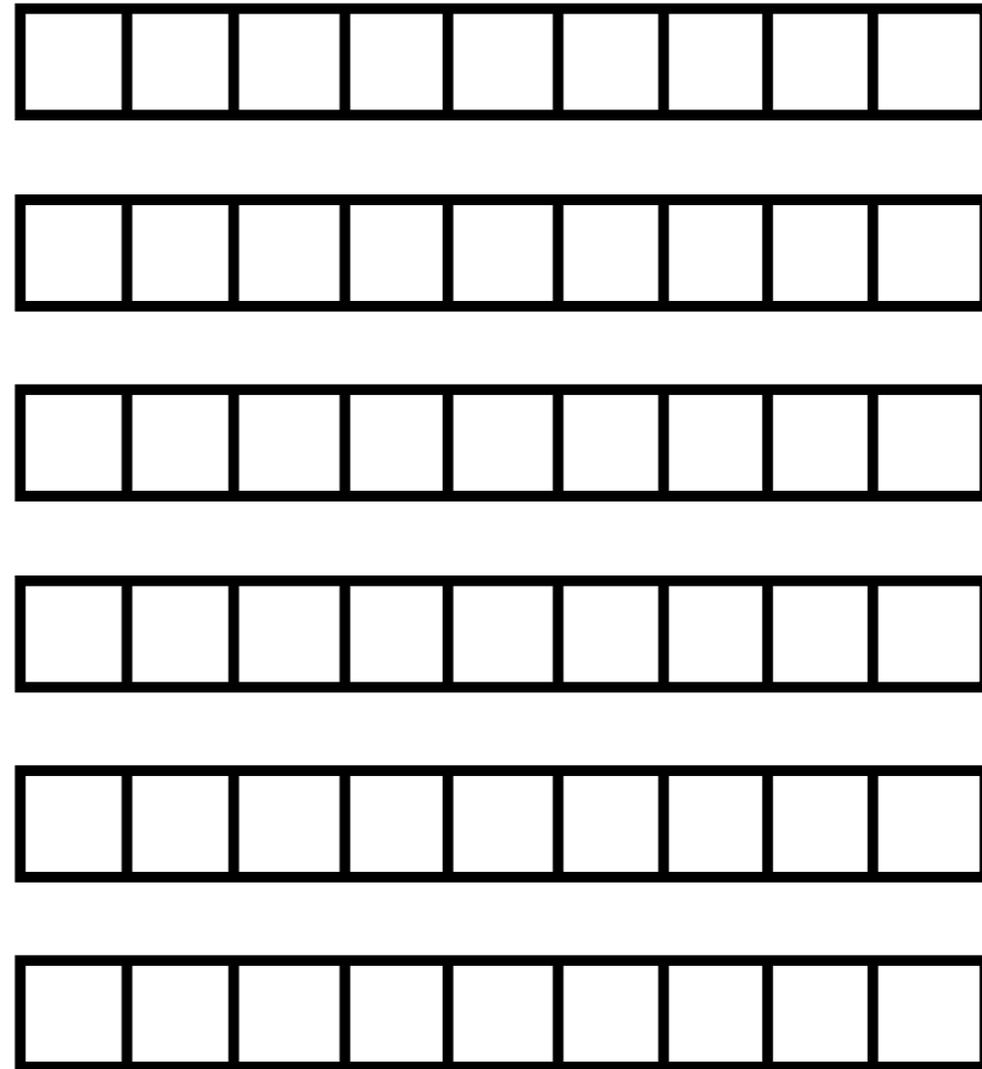


UNIVARIATE fMRI ANALYSES

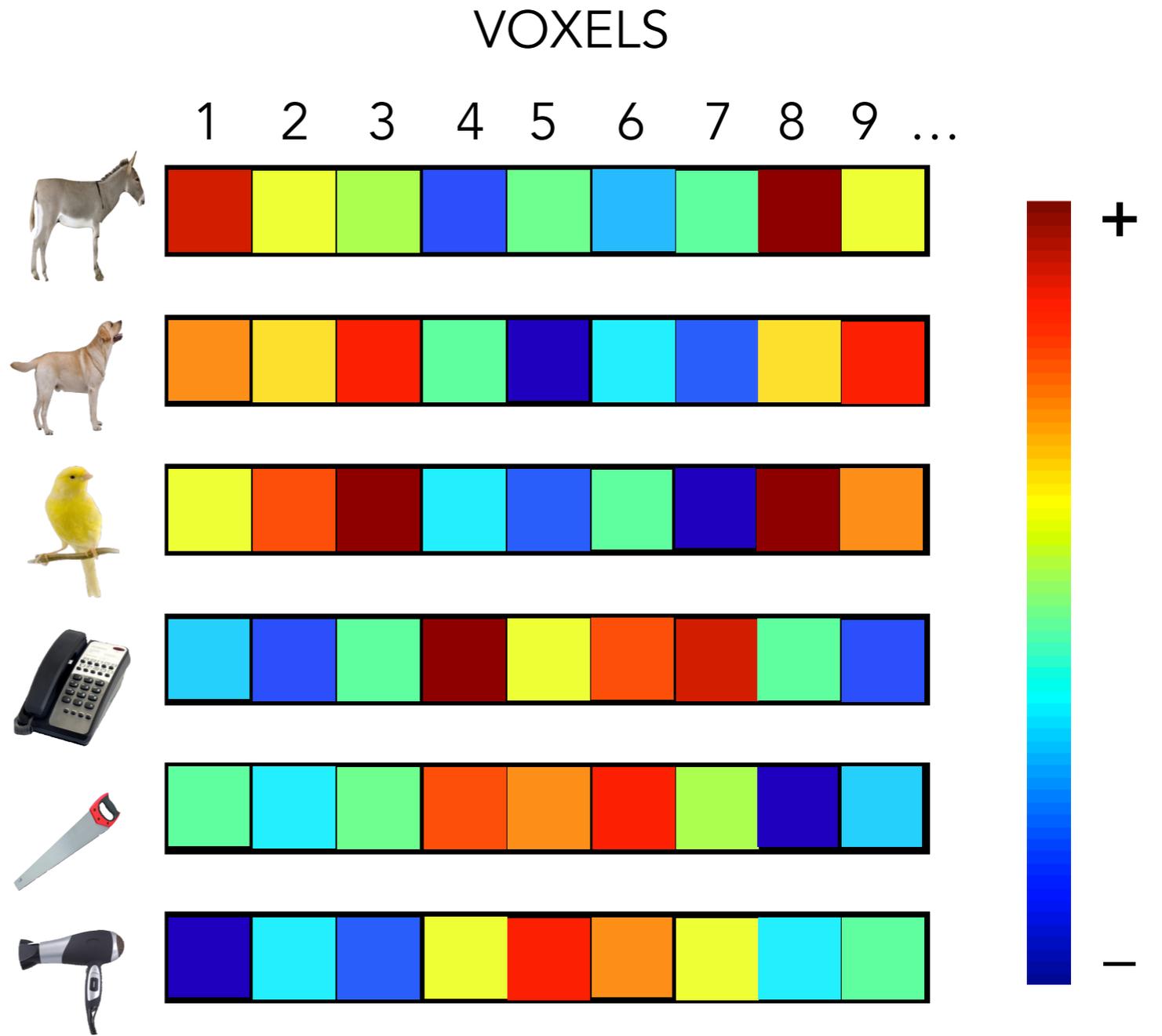


VOXELS

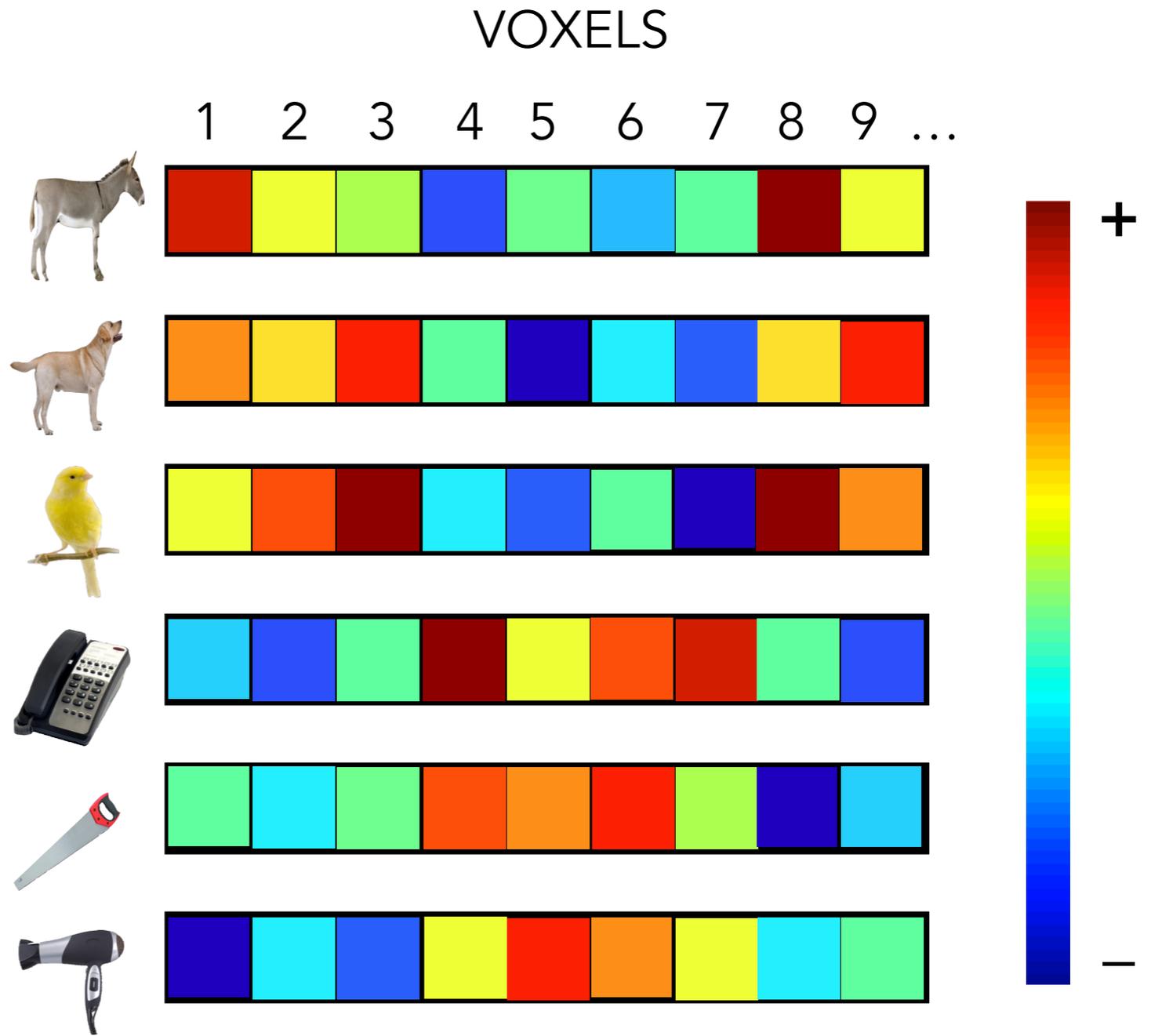
1 2 3 4 5 6 7 8 9 ...



UNIVARIATE fMRI ANALYSES

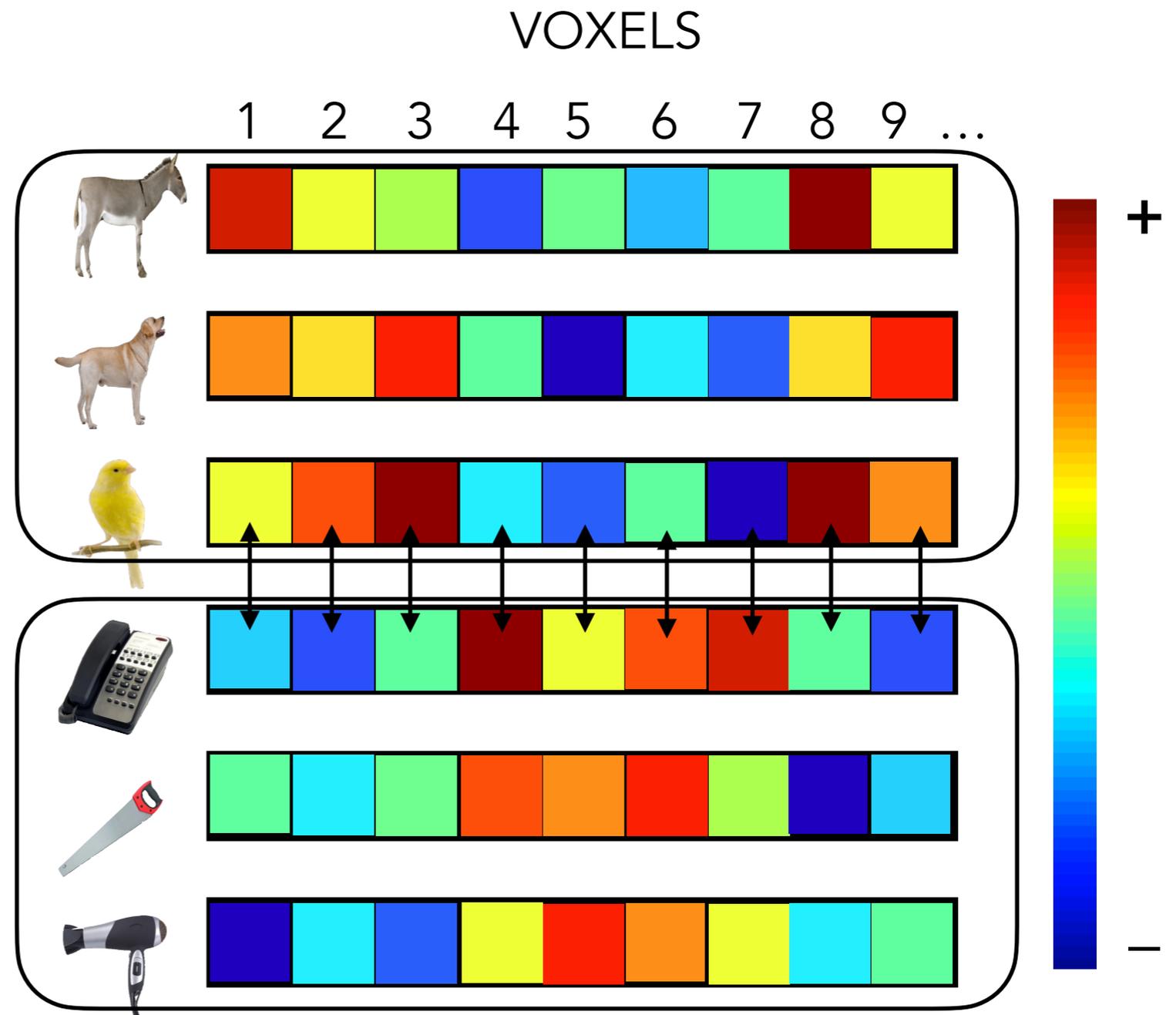


UNIVARIATE fMRI ANALYSES

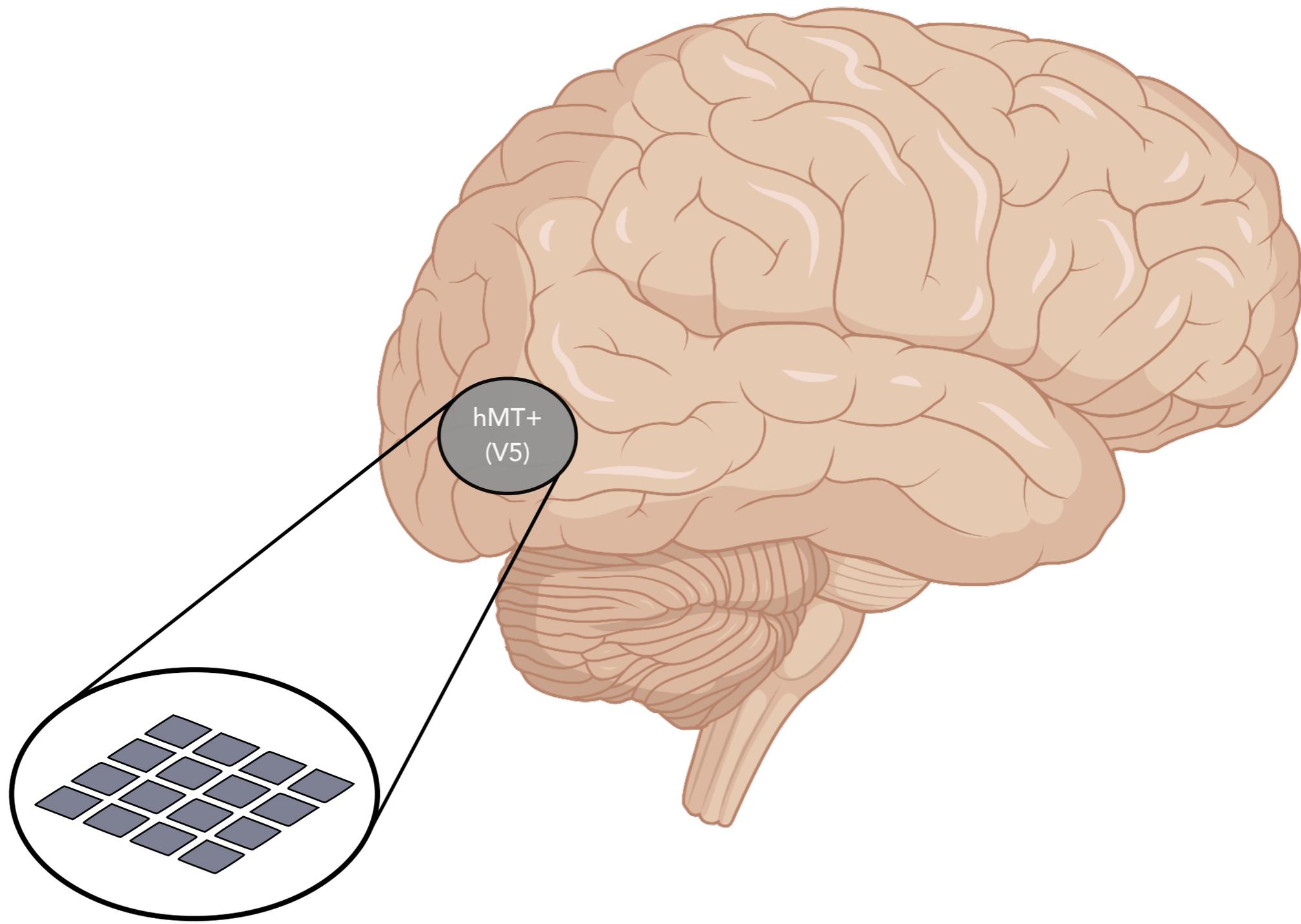


Is there a difference in the **activity** between the 2 categories?

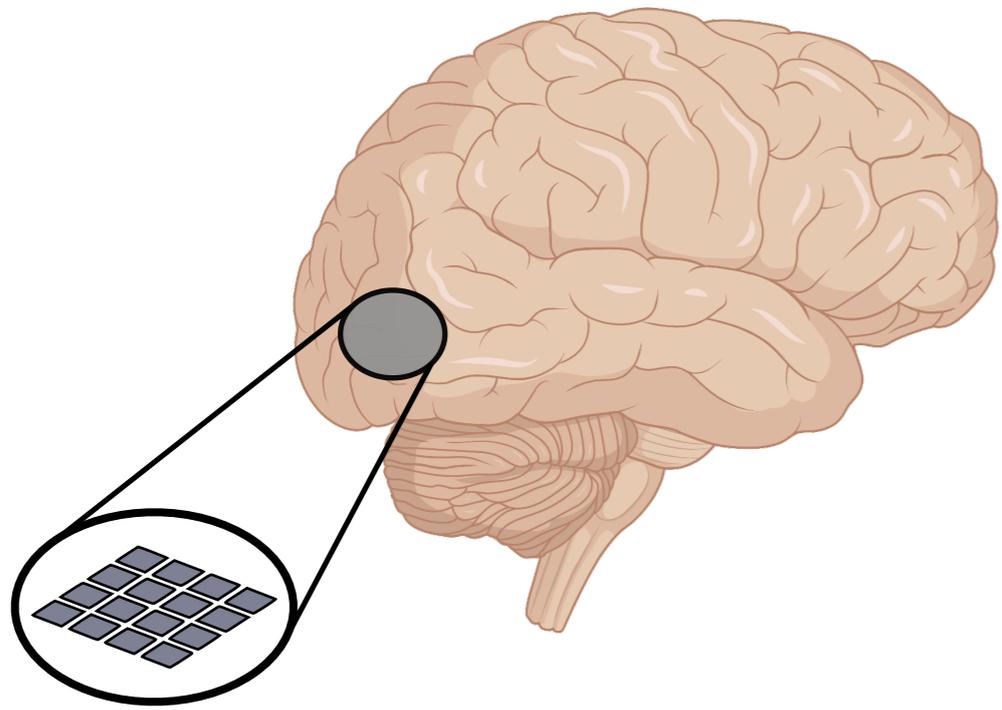
UNIVARIATE fMRI ANALYSES



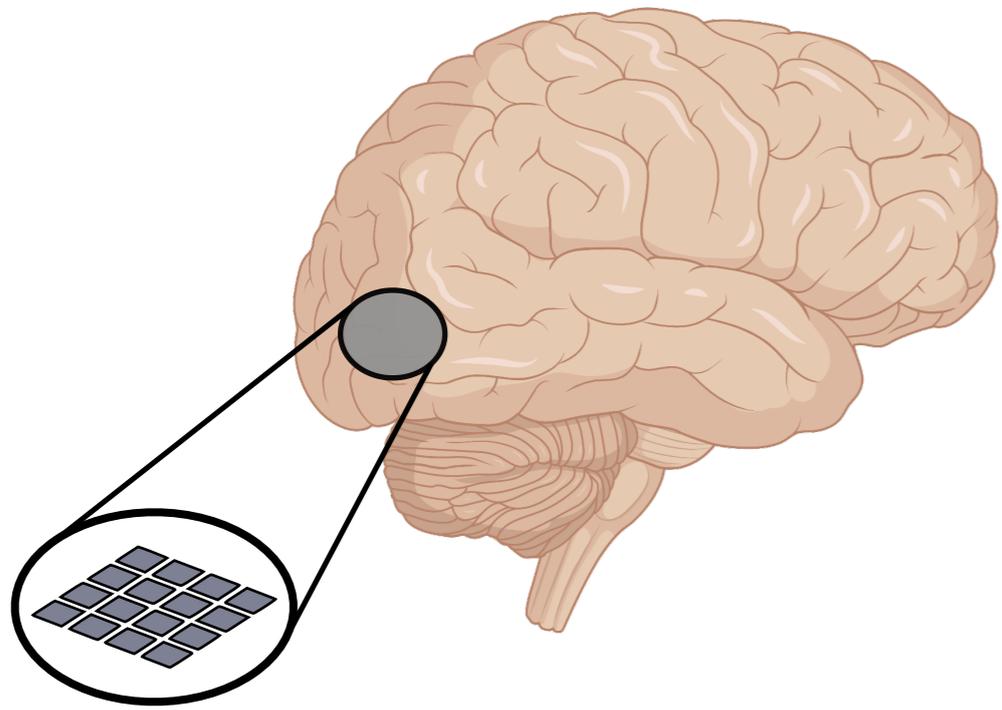
Is there a difference in the **activity** between the 2 categories?



hMT+/V5 voxels

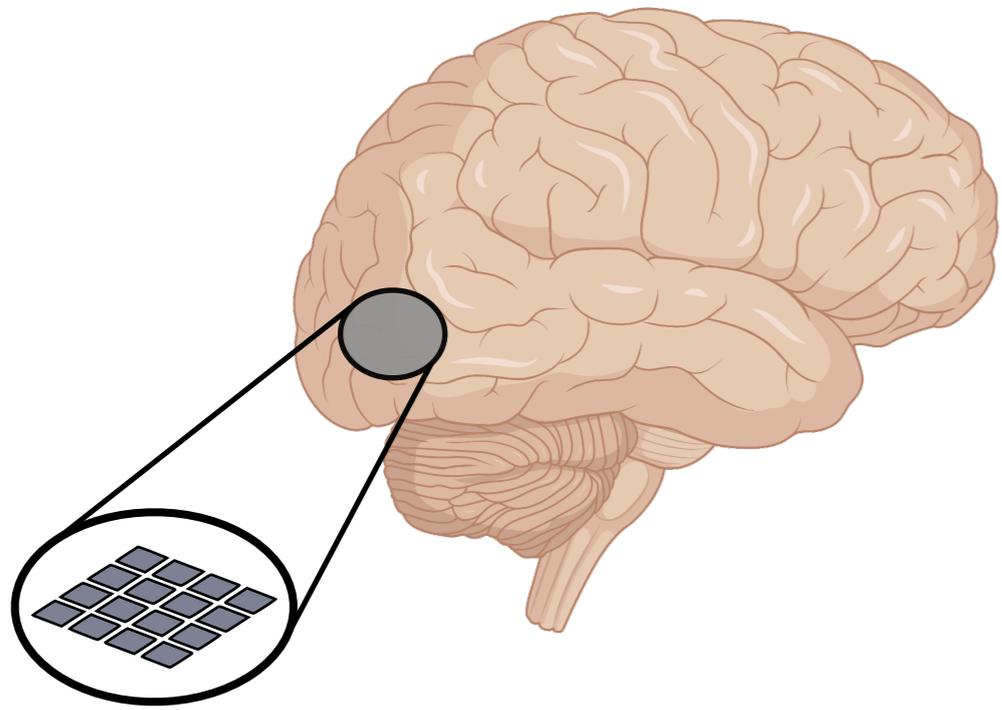


hMT+/V5 voxels

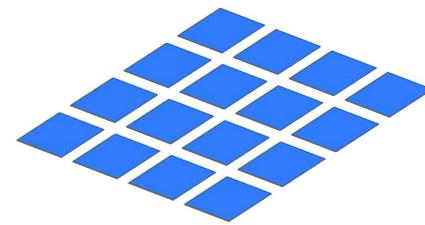
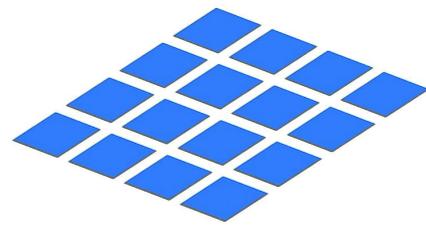
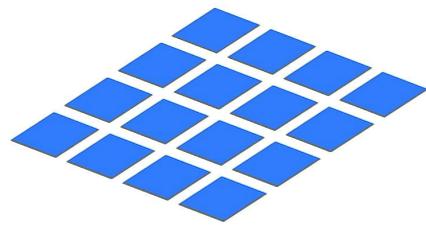
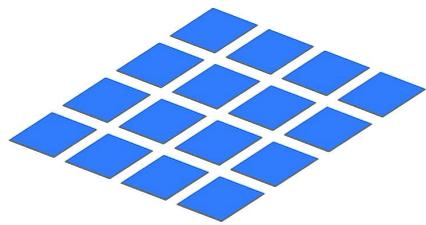


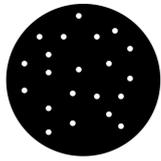
hMT+/V5 voxels



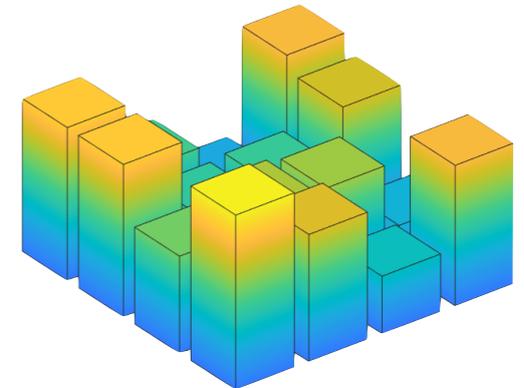
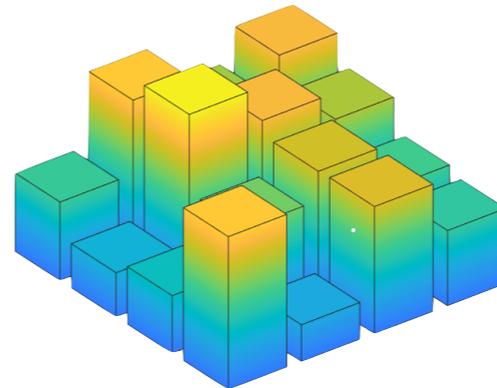
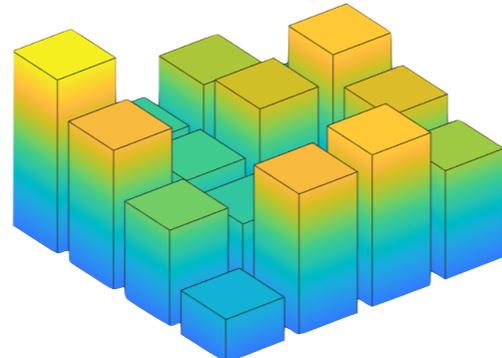
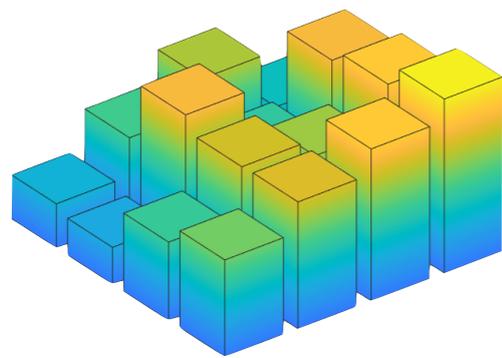
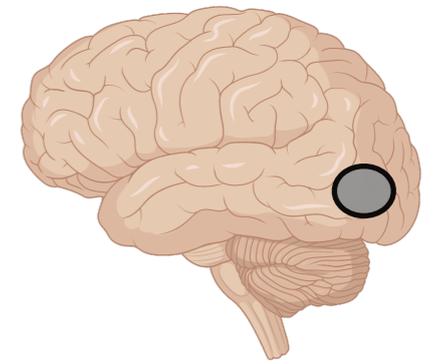


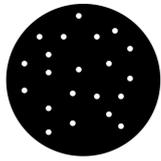
hMT+/V5 voxels



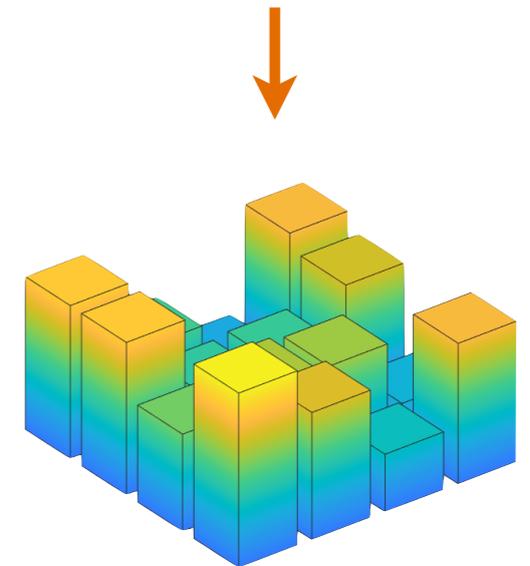
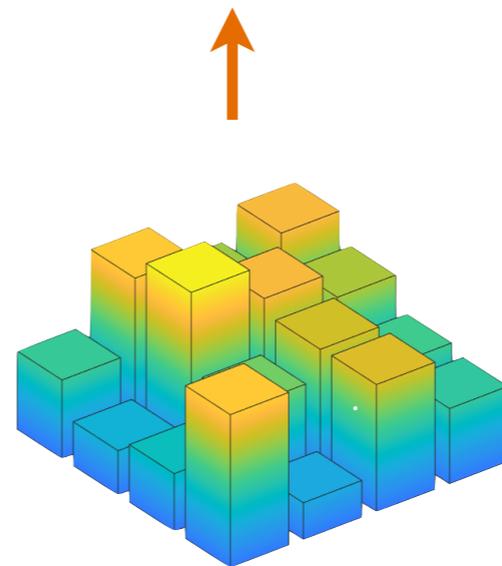
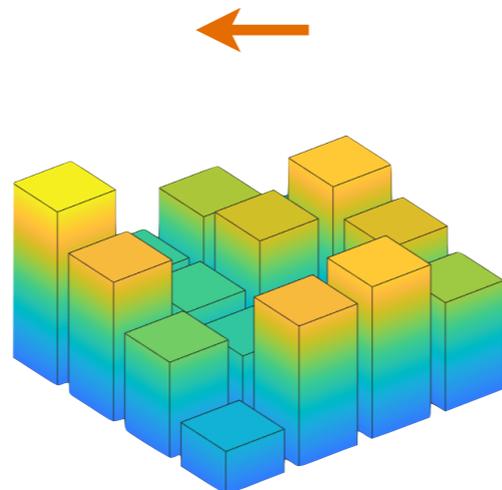
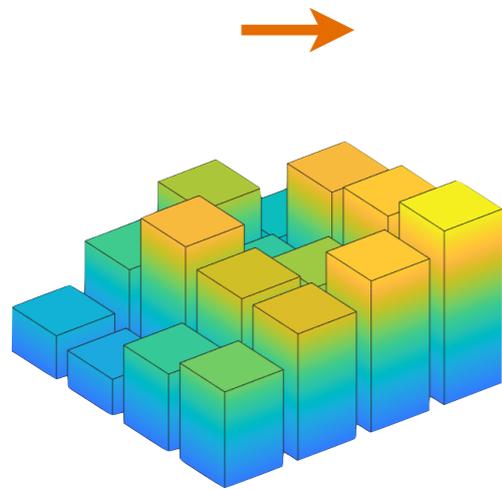
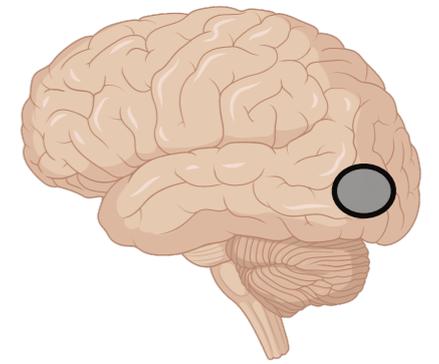


Visual Motion

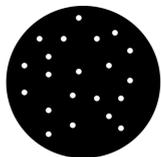




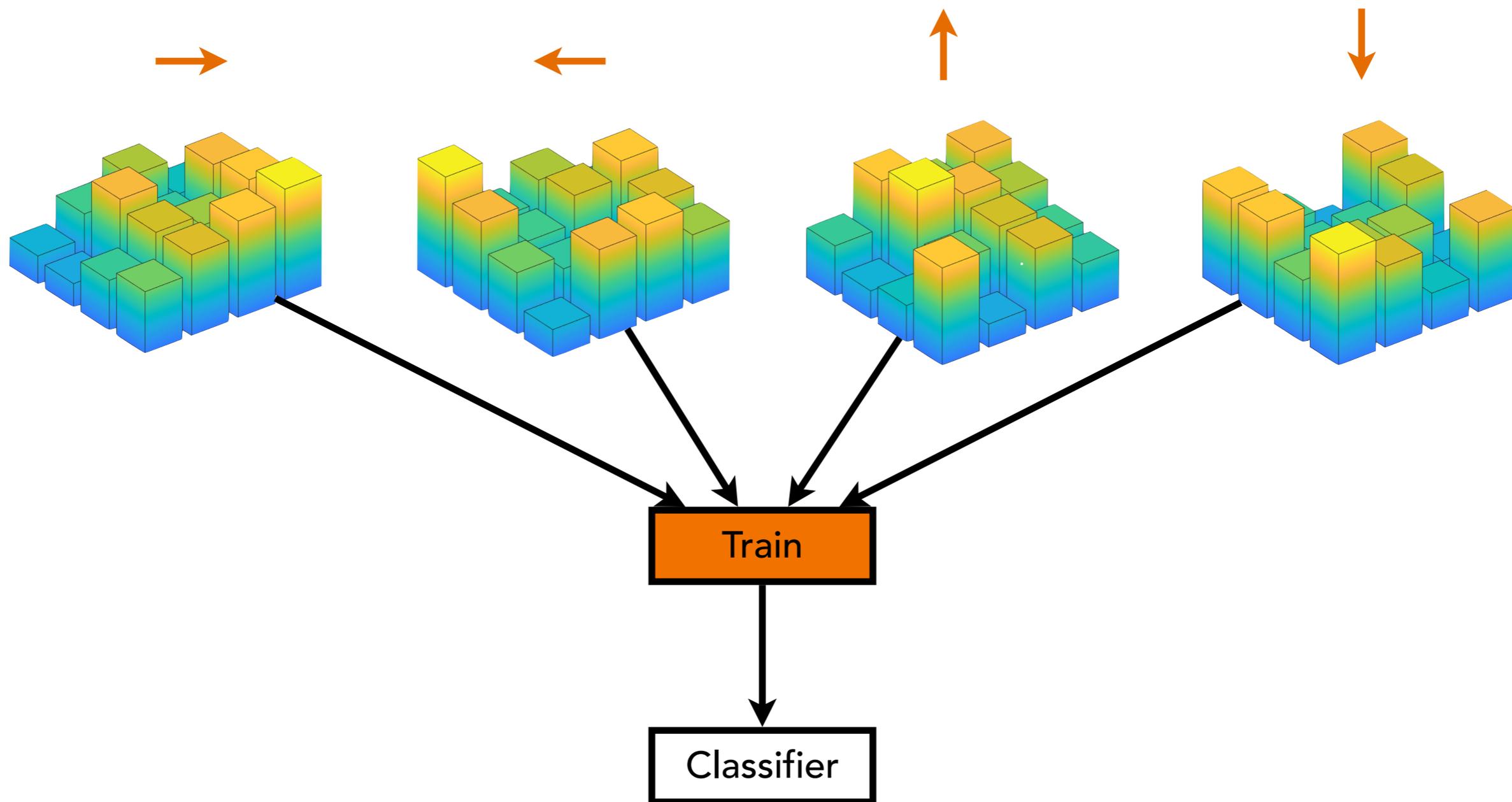
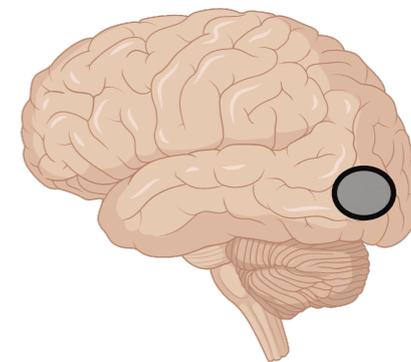
Visual Motion

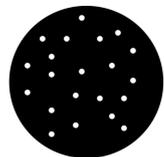


Classifier

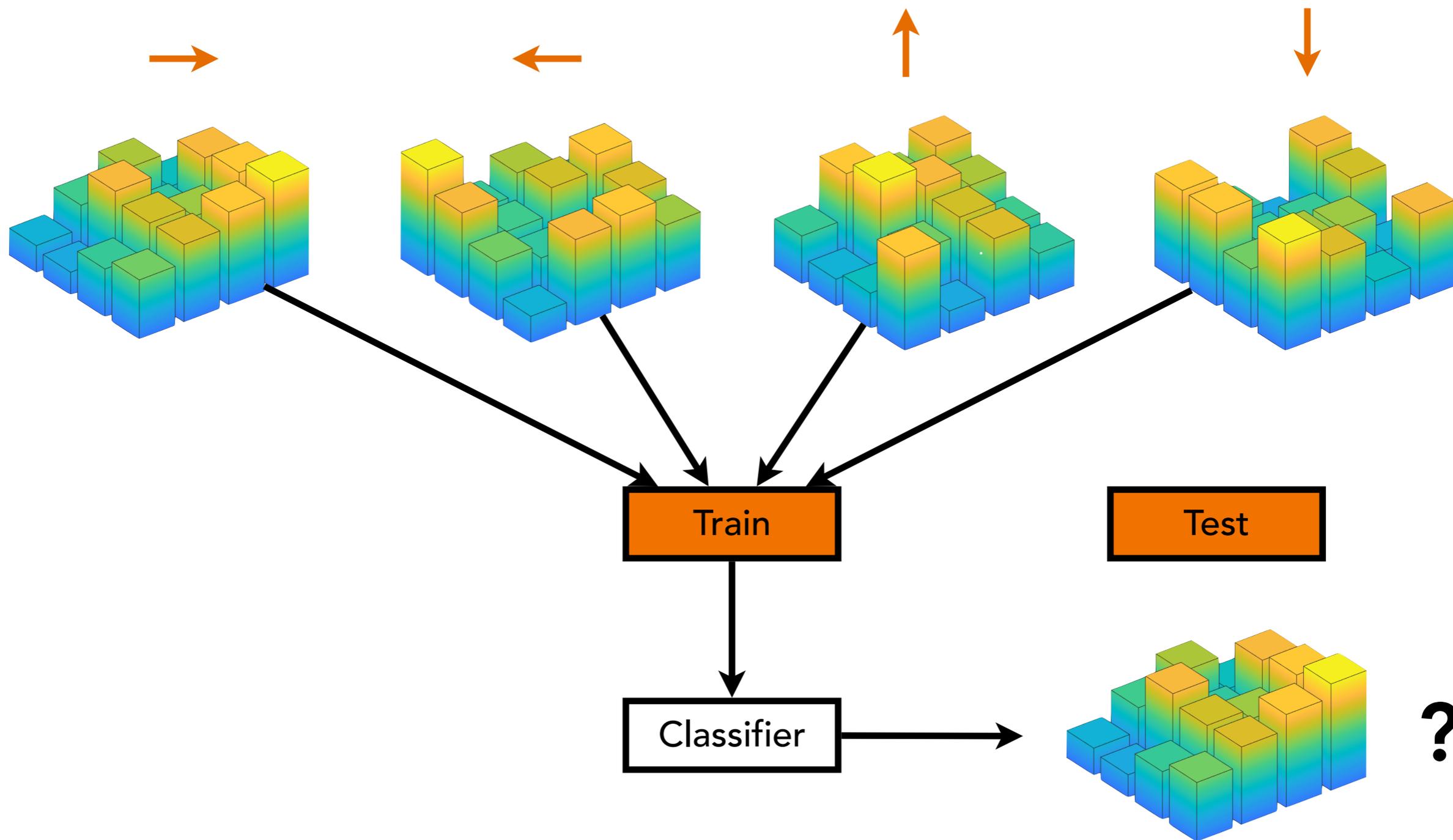
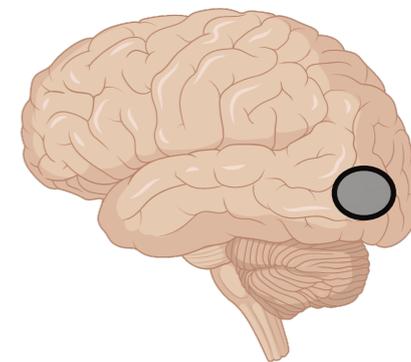


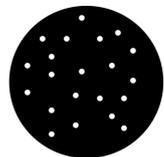
Visual Motion



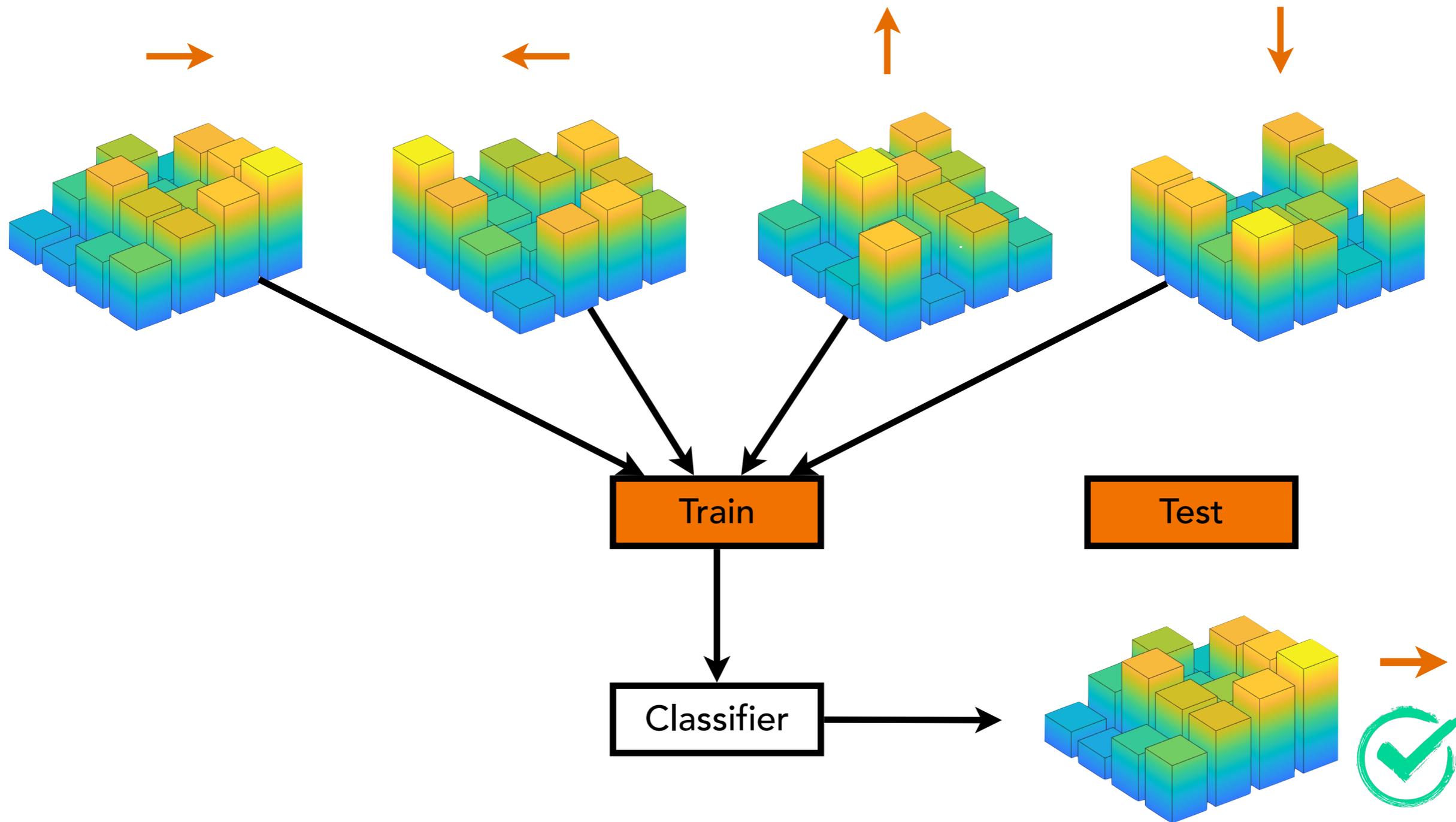
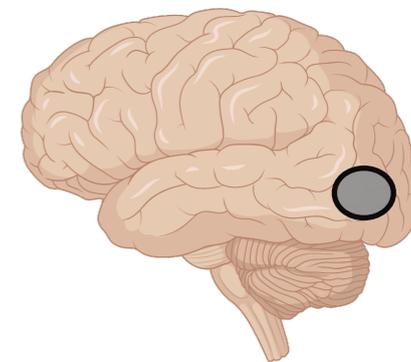


Visual Motion



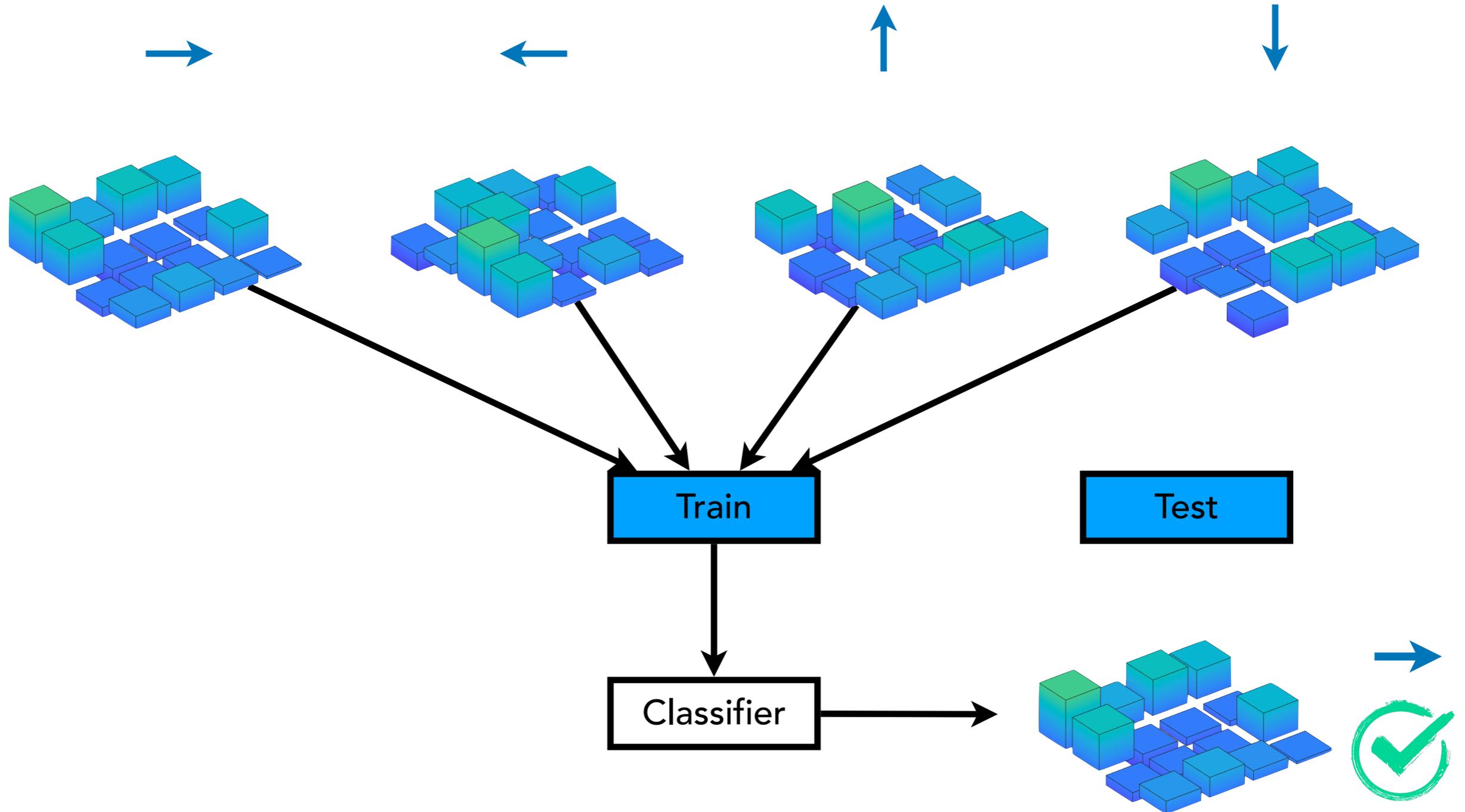
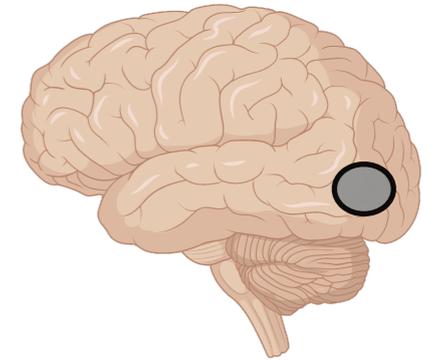


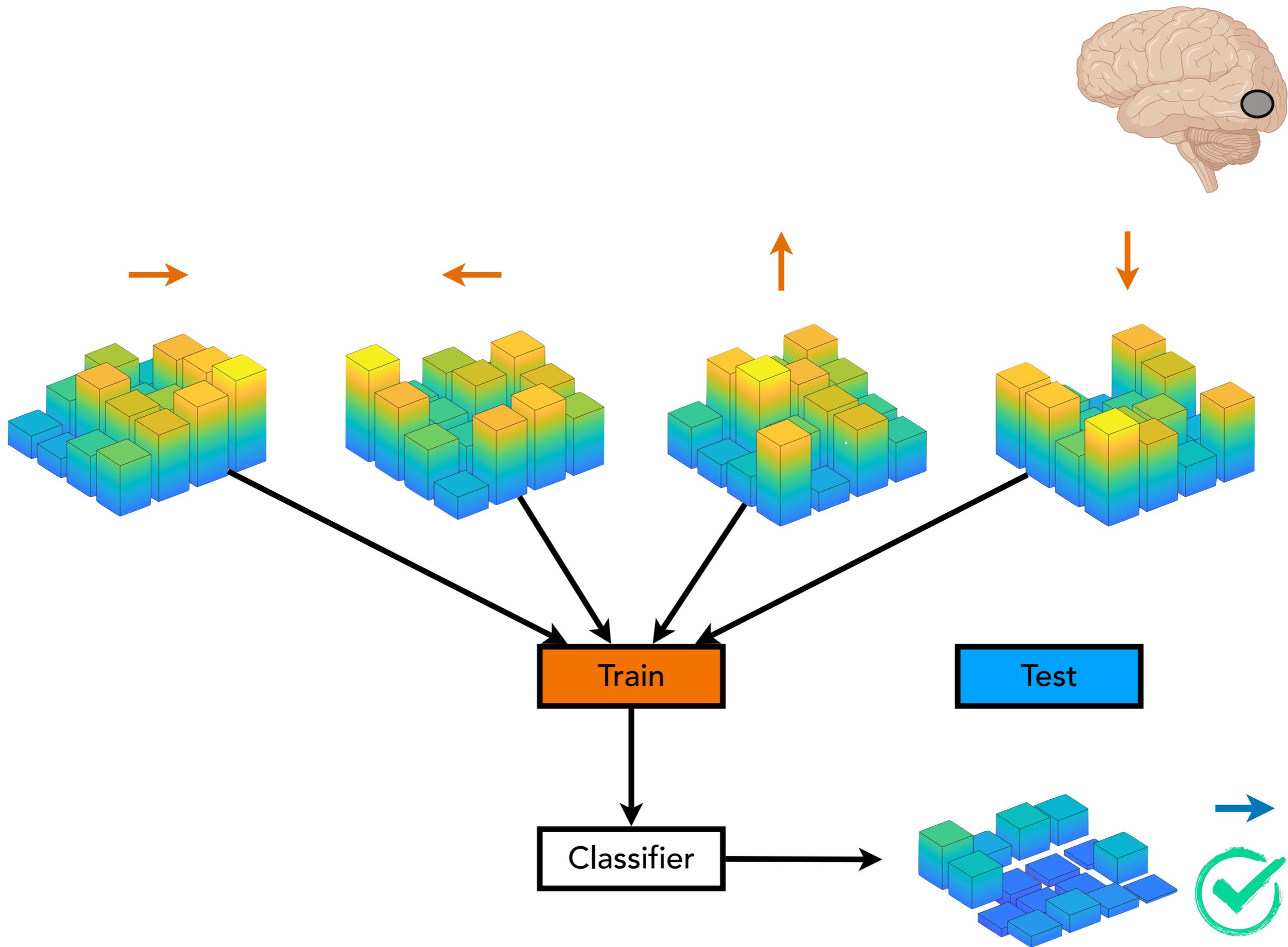
Visual Motion



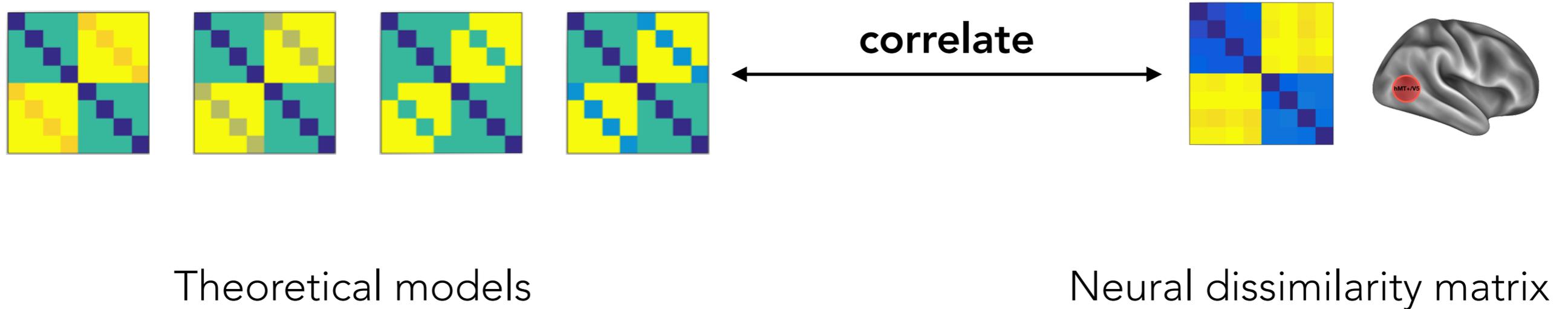


Auditory Motion



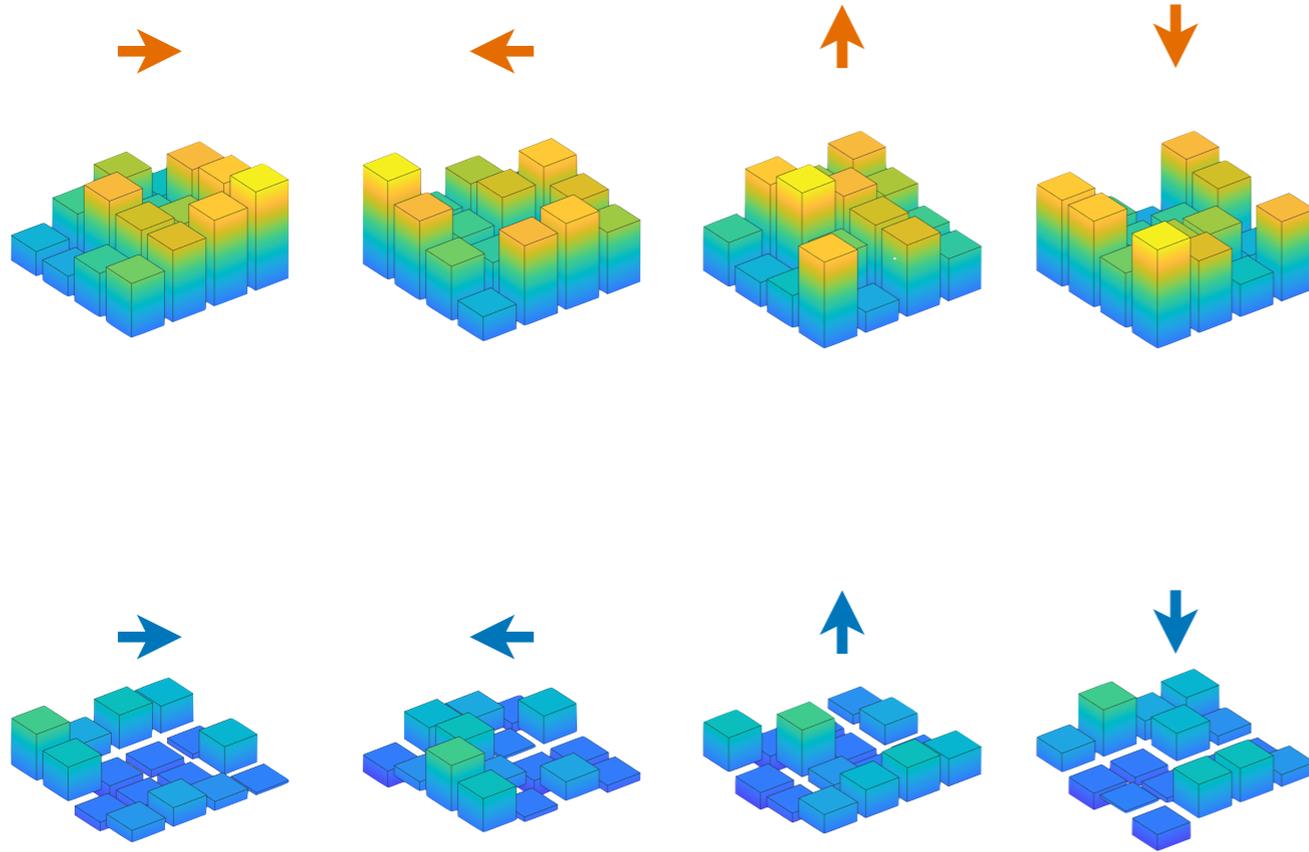
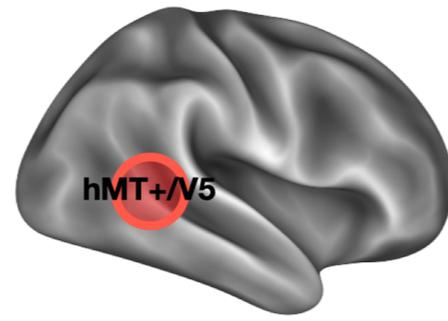


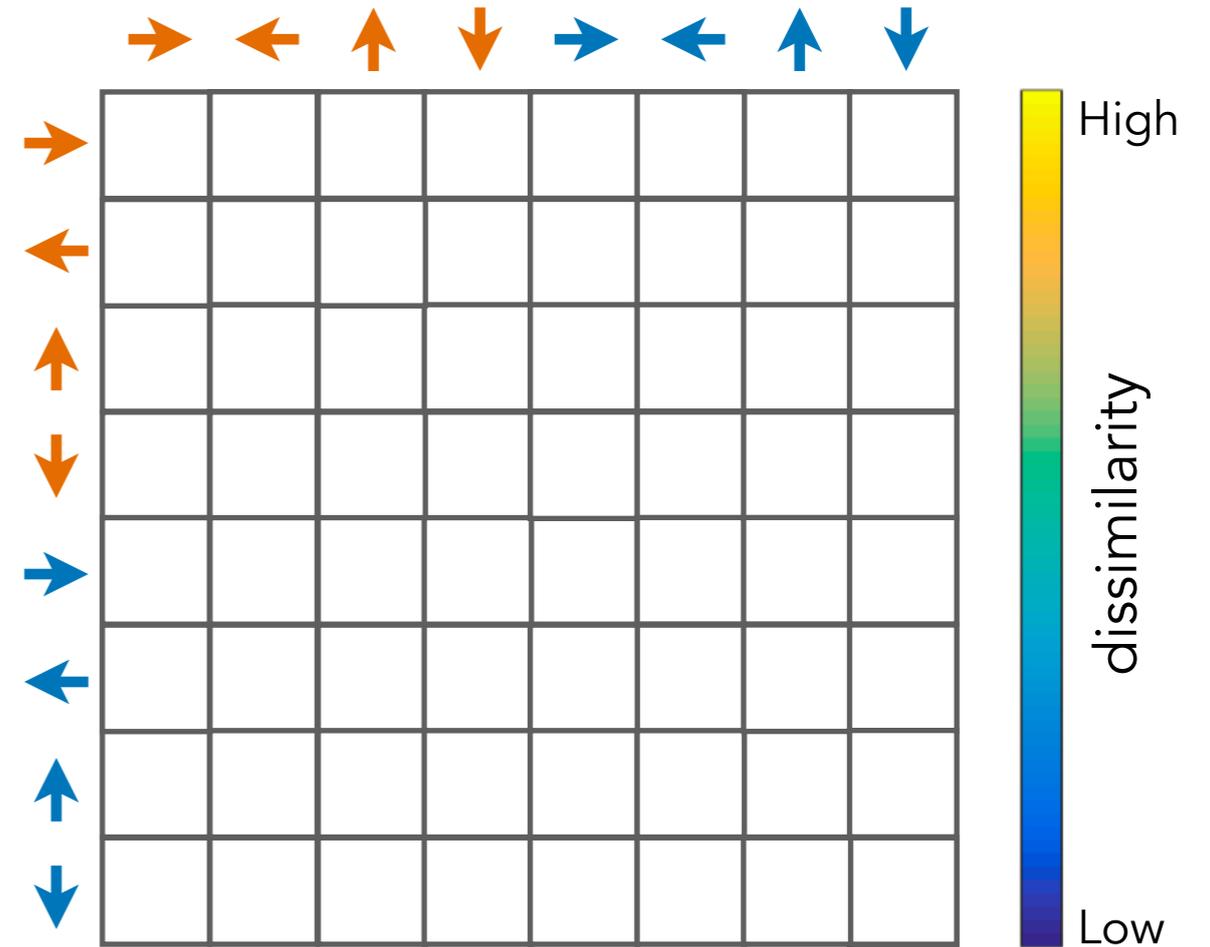
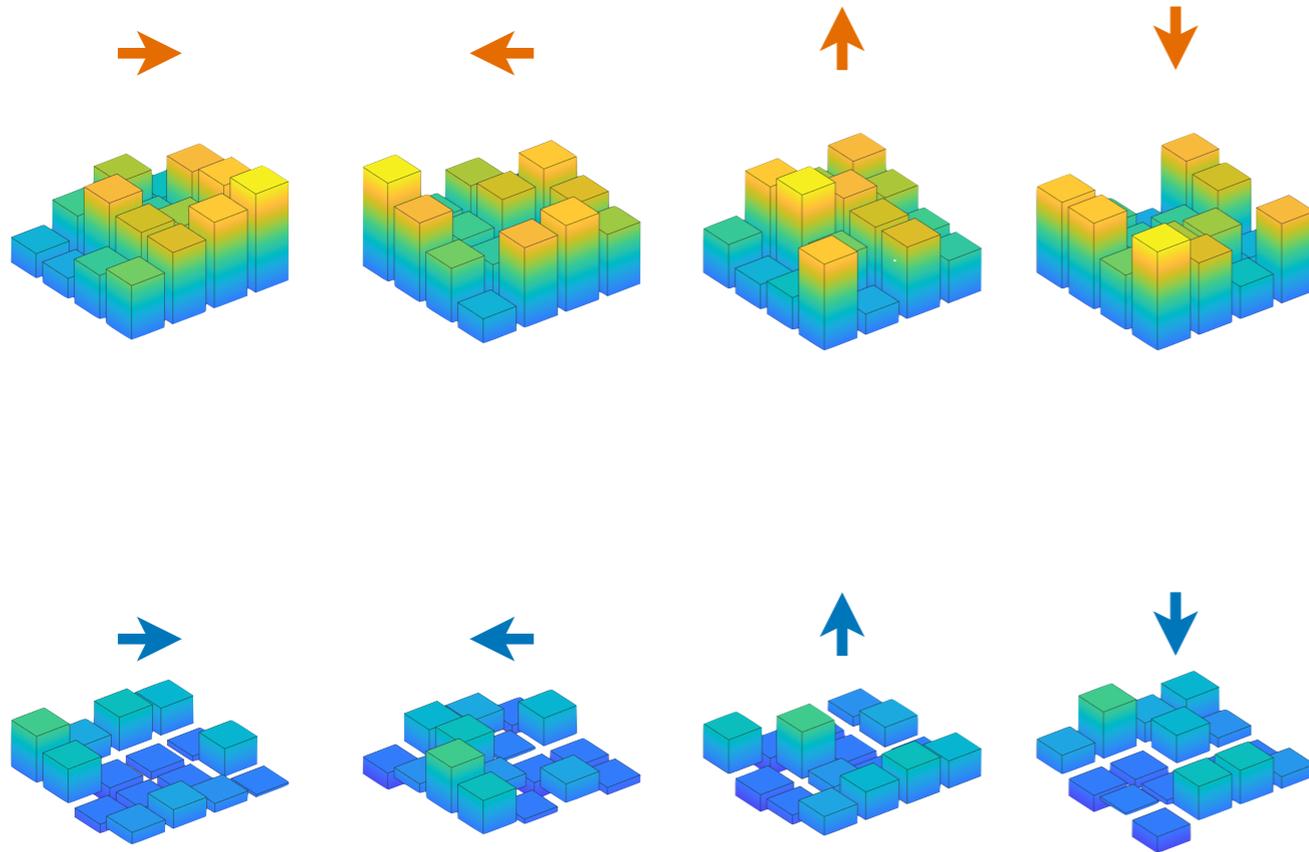
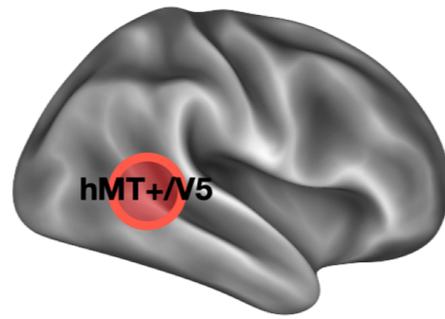
Representational Similarity Analysis (RSA)

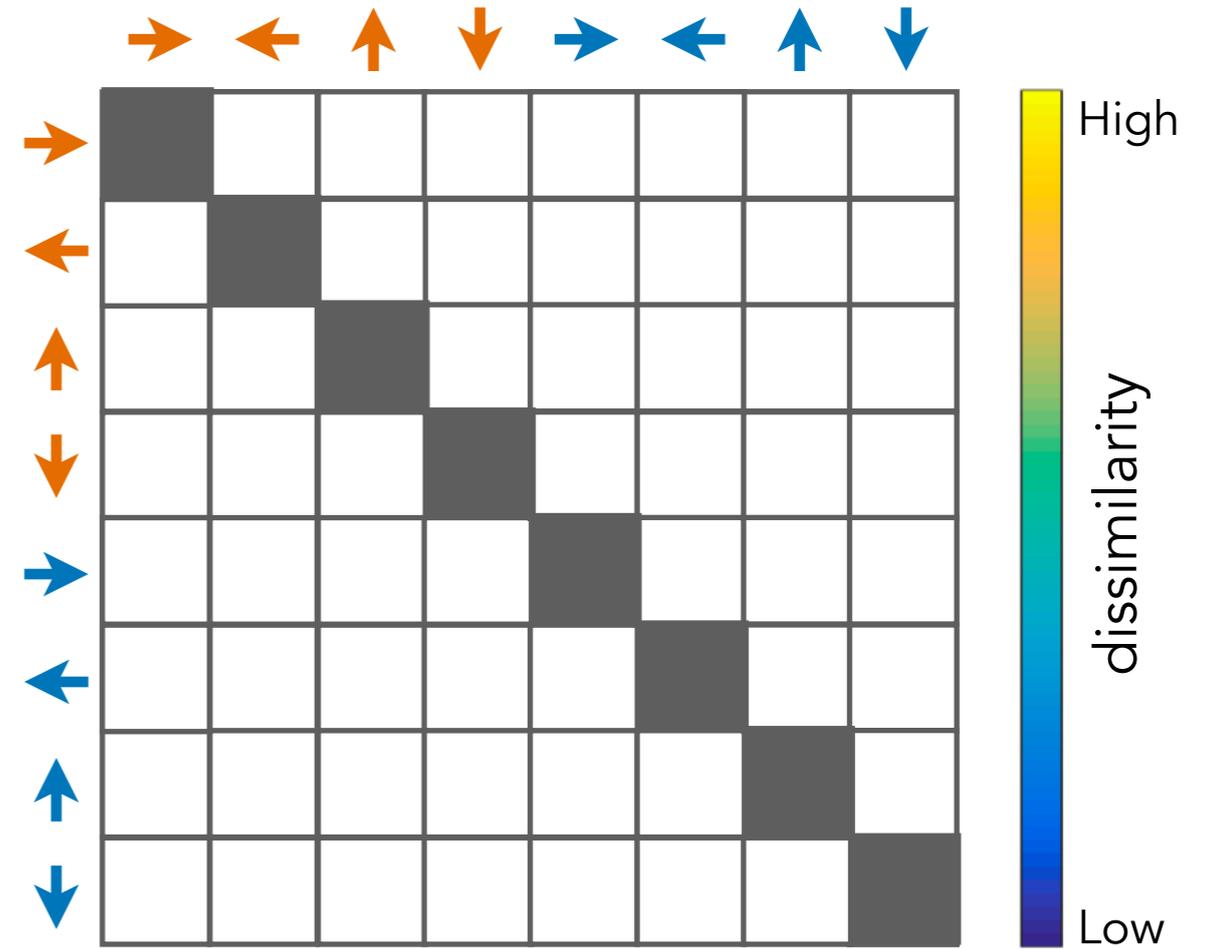
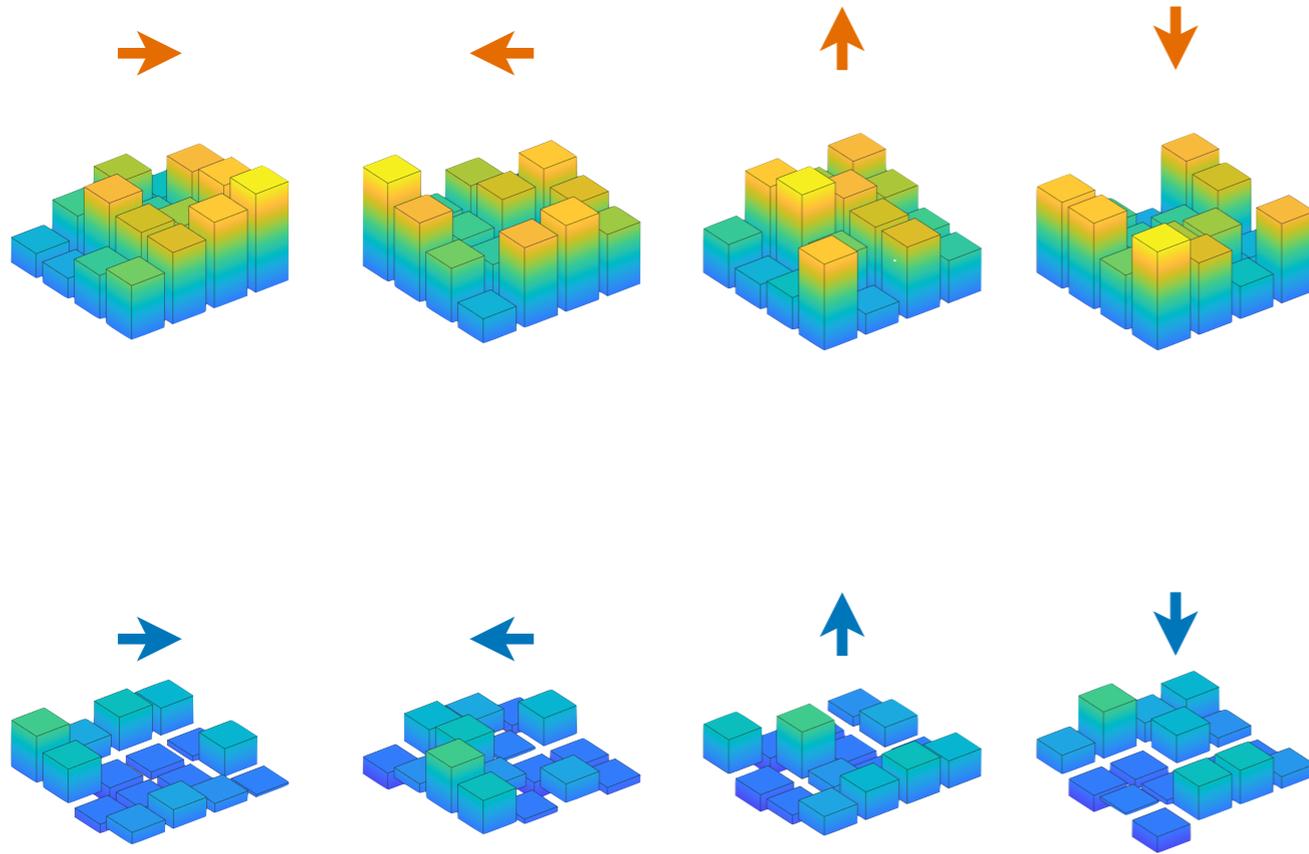
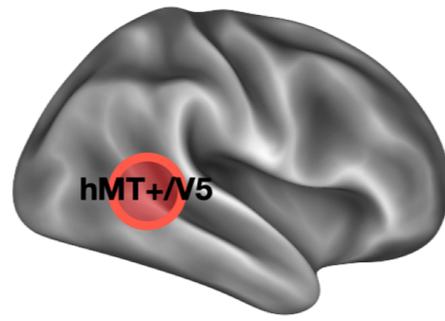


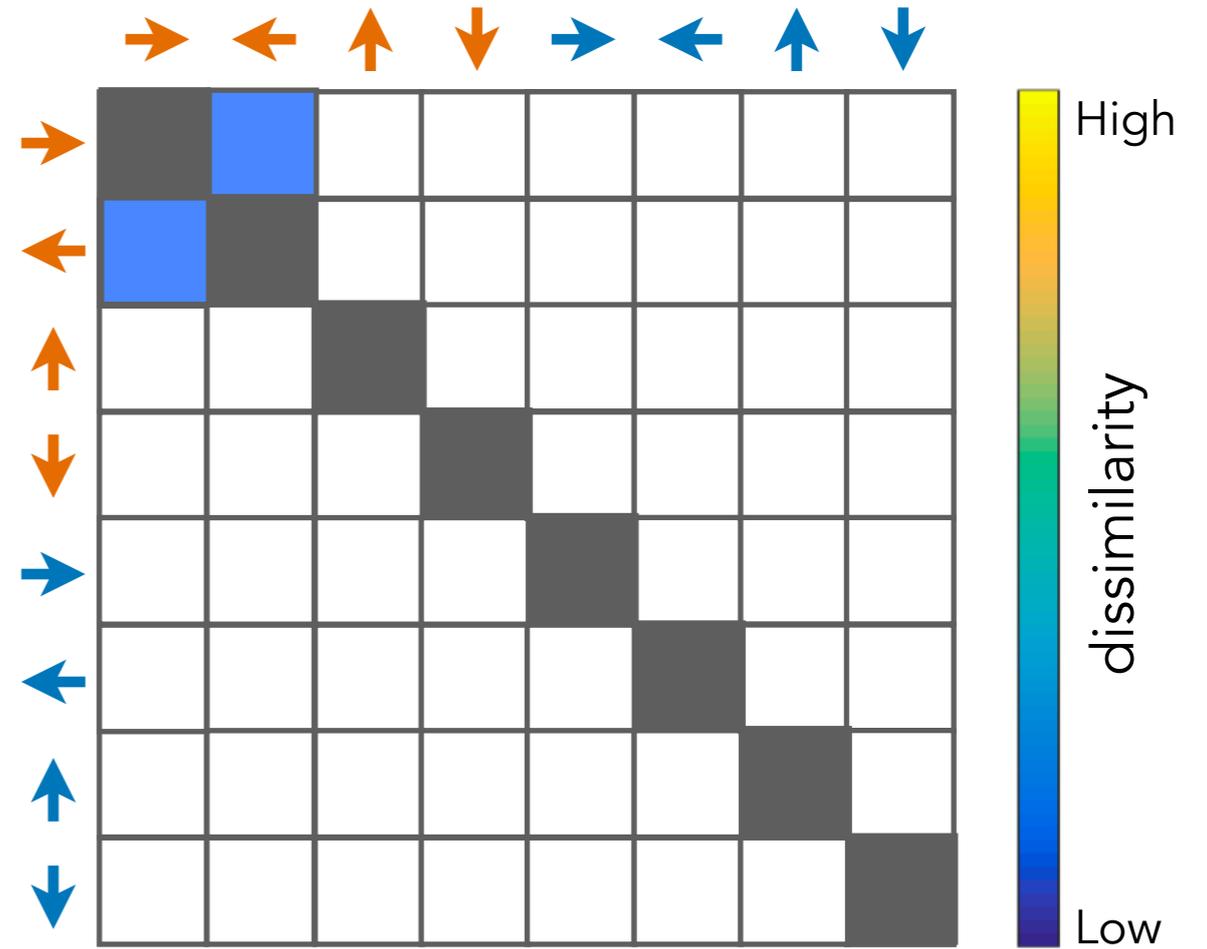
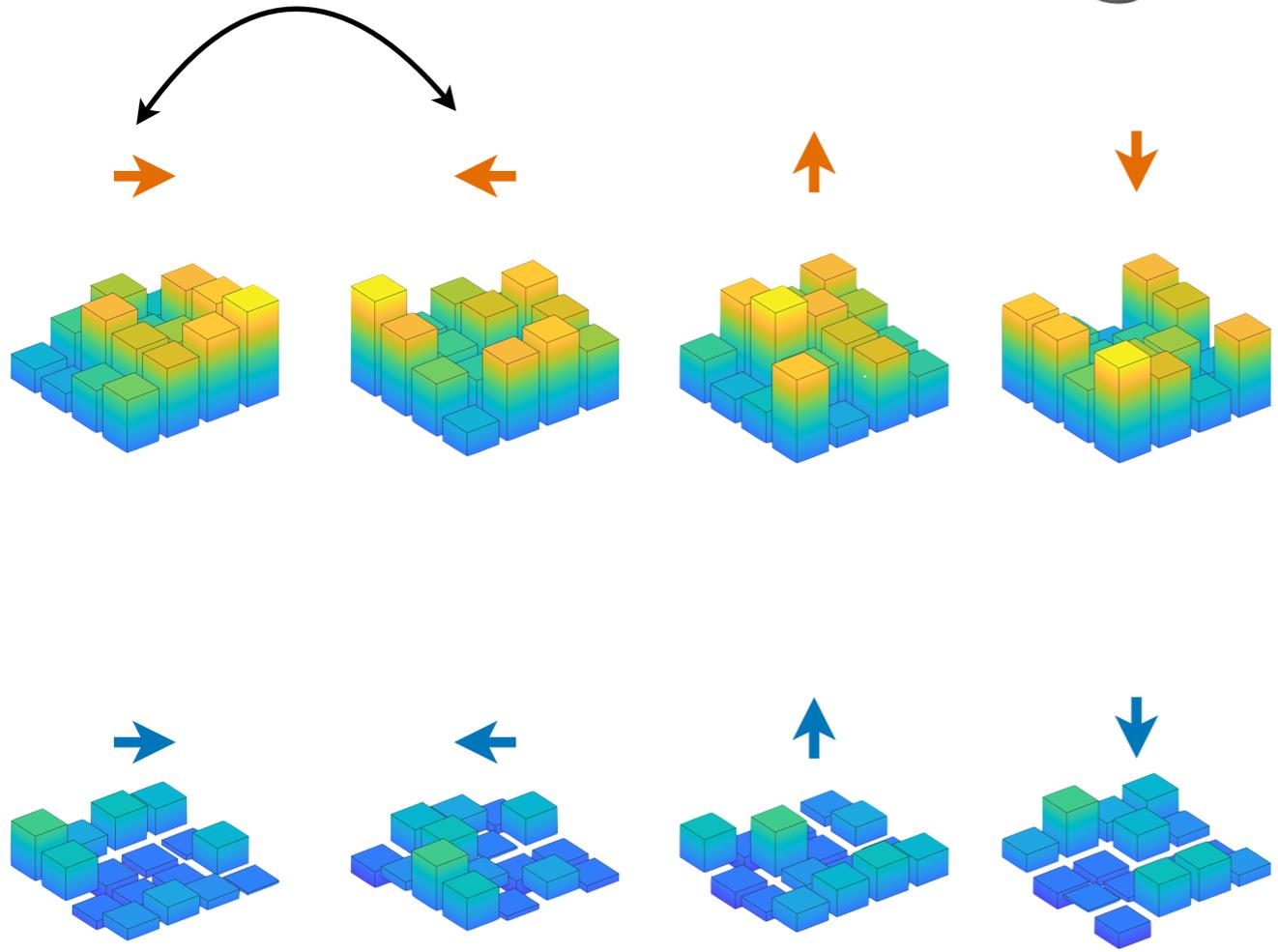
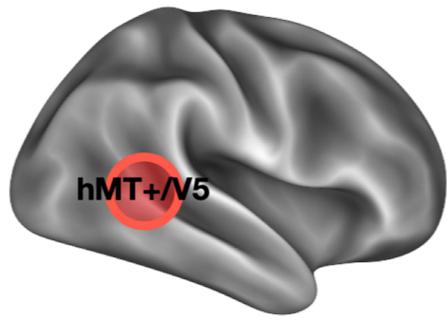
Theoretical models

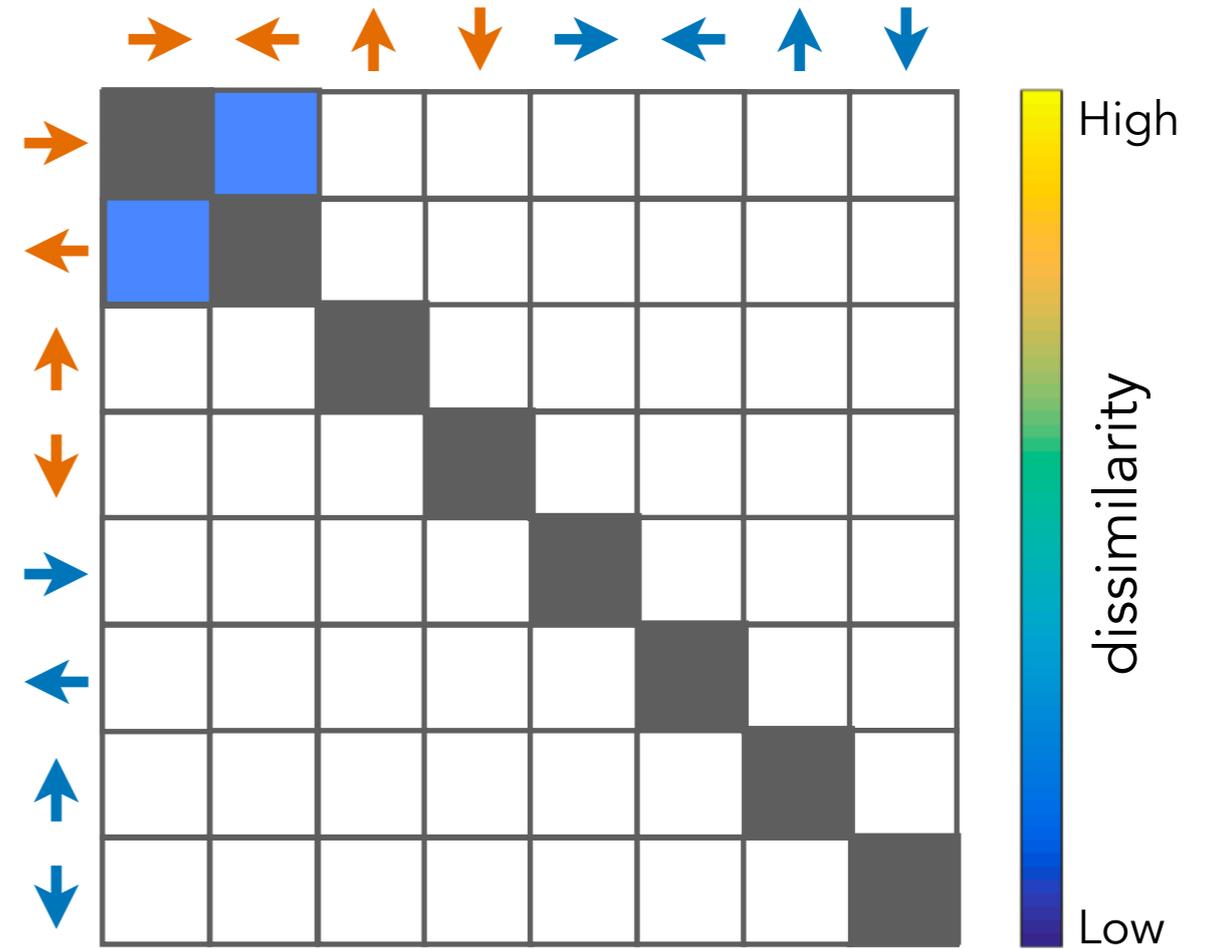
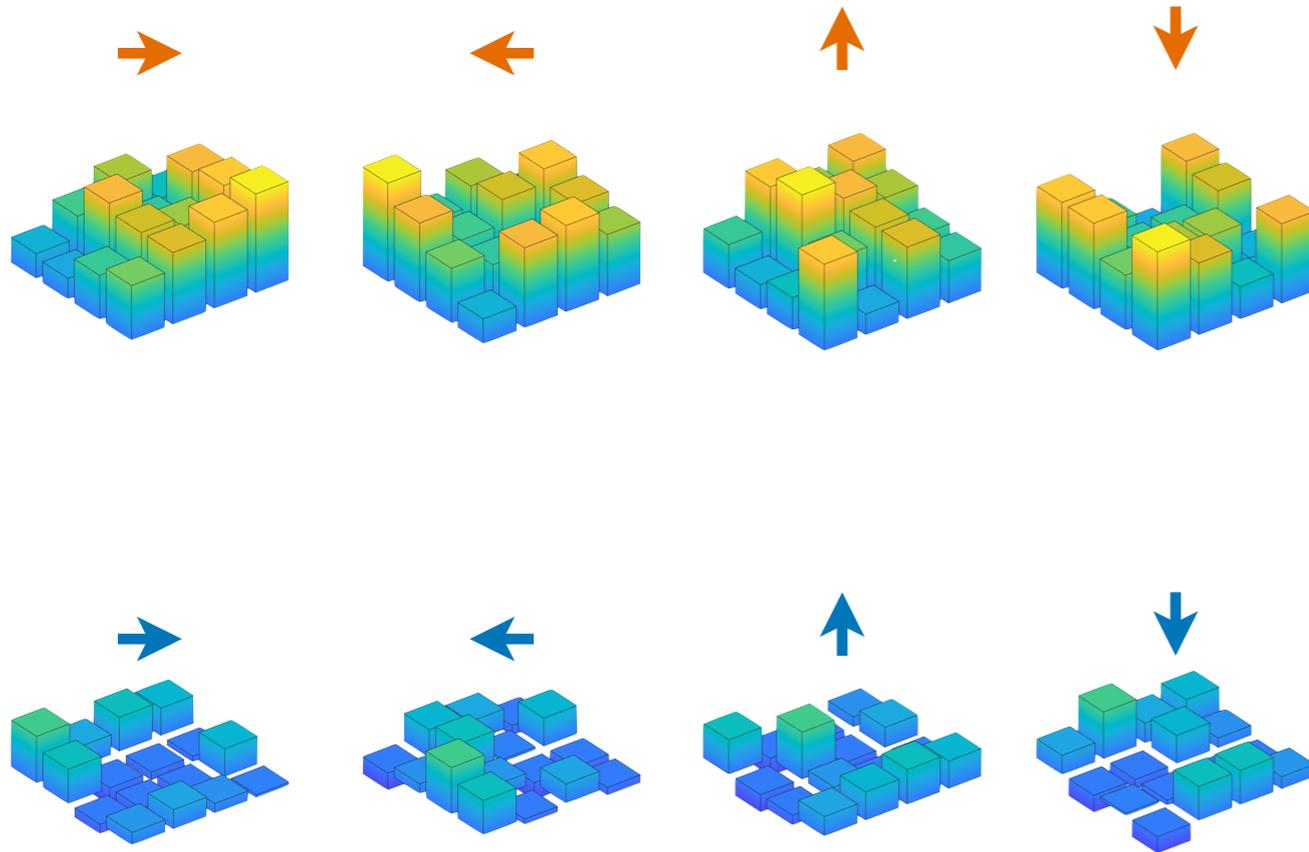
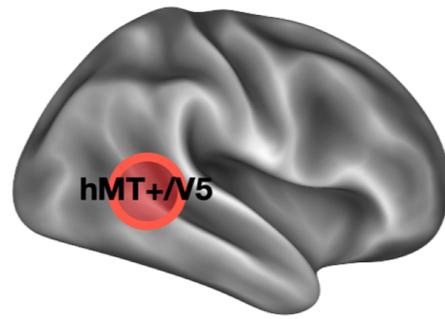
Neural dissimilarity matrix

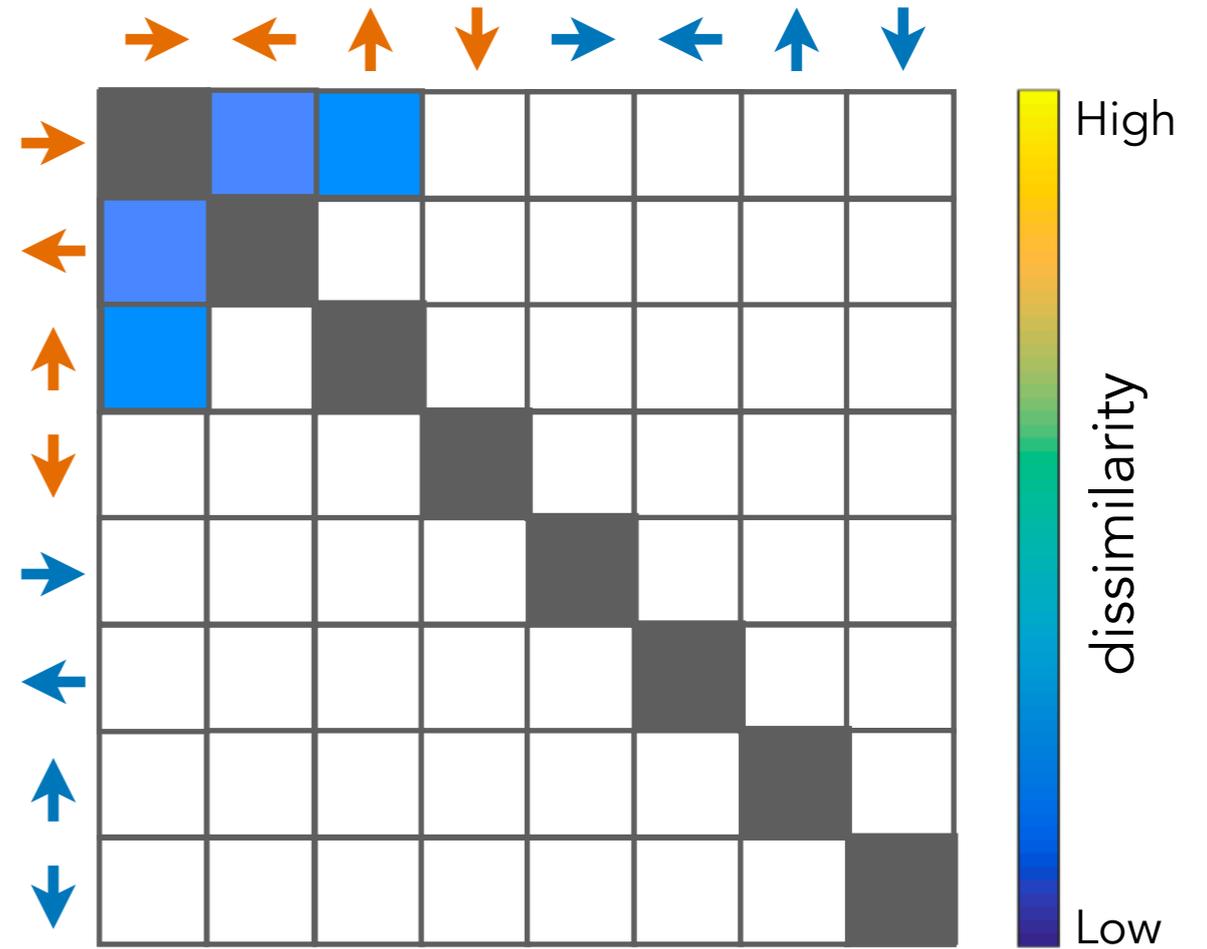
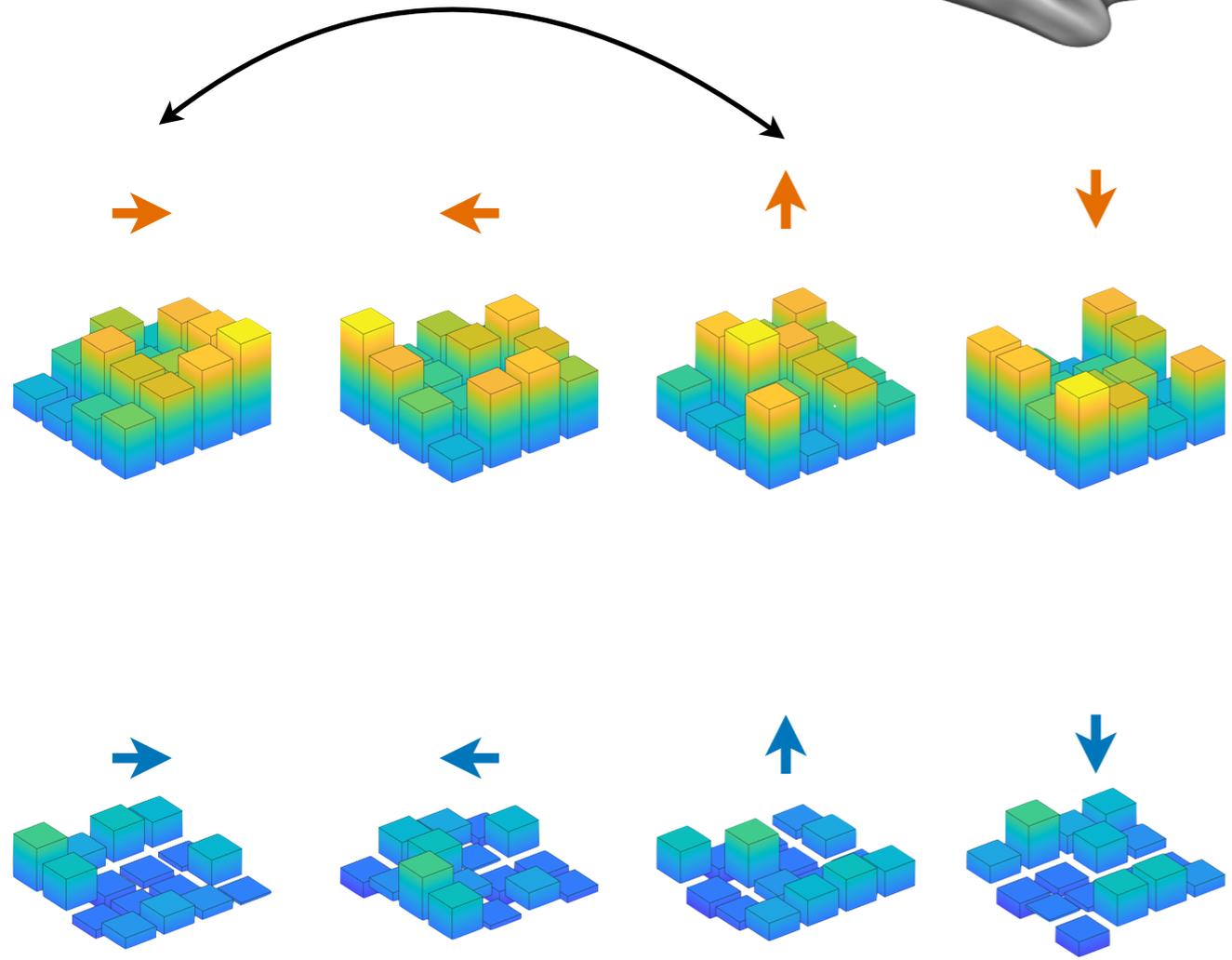
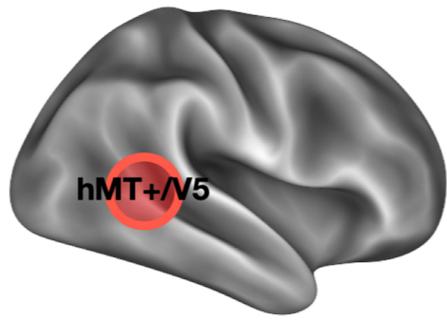


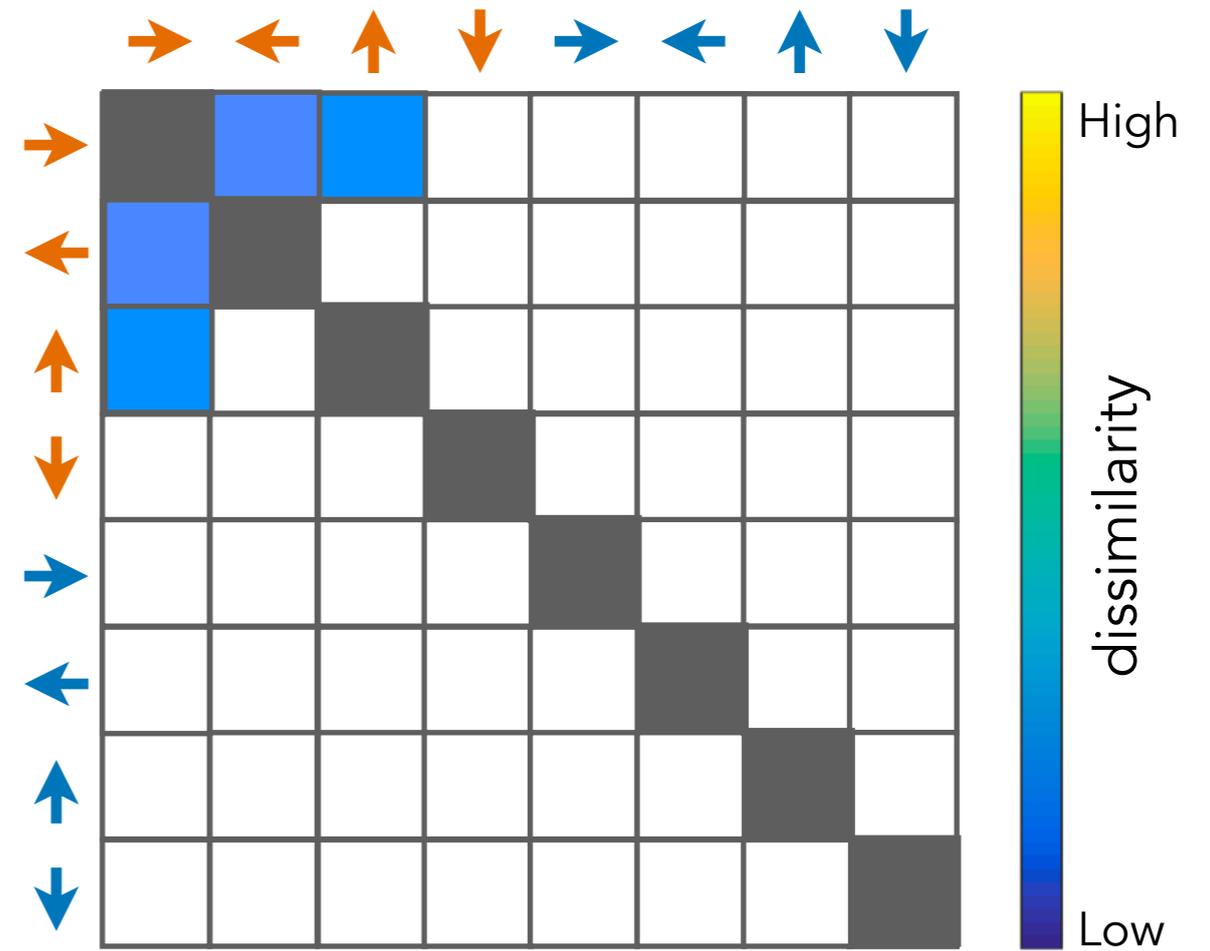
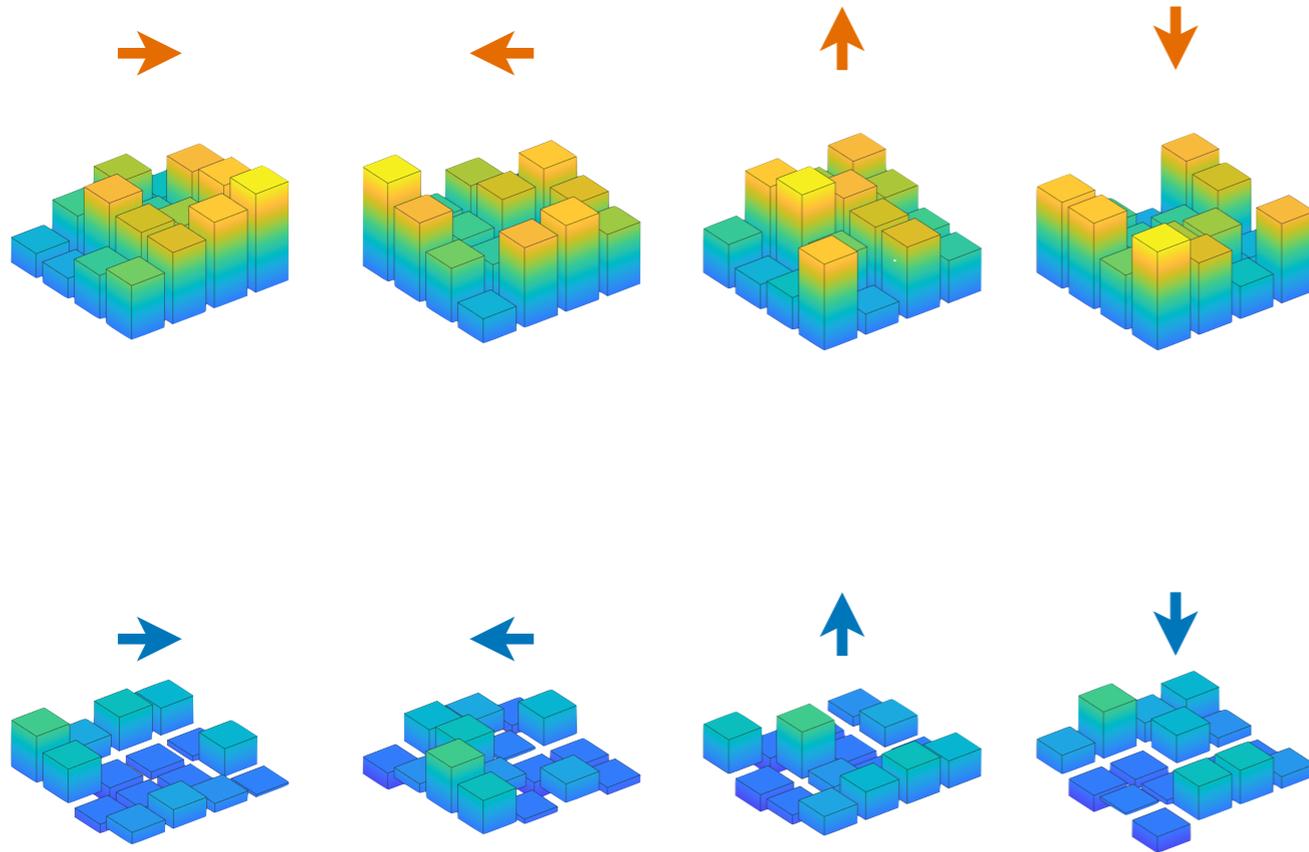
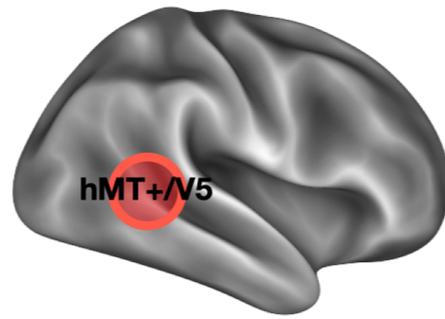


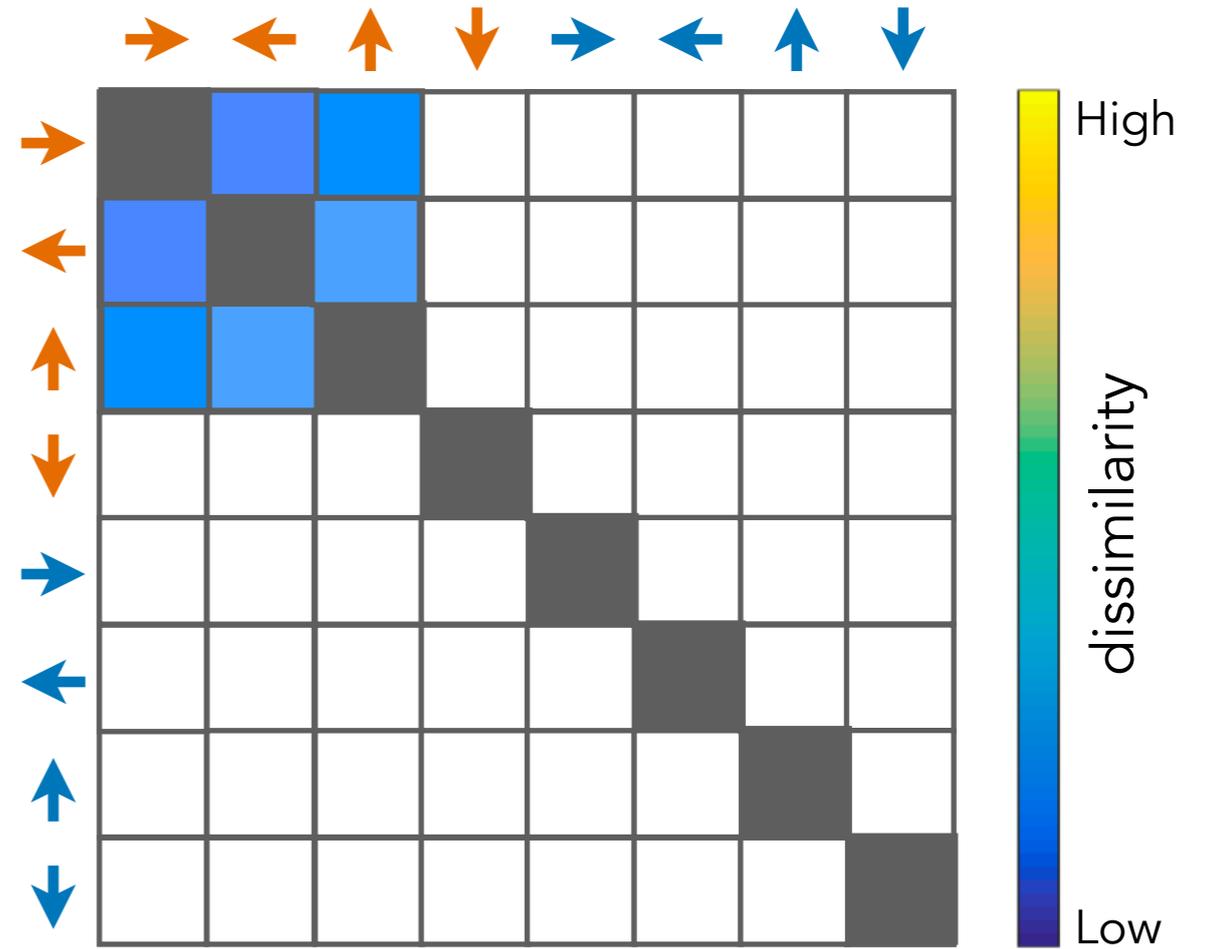
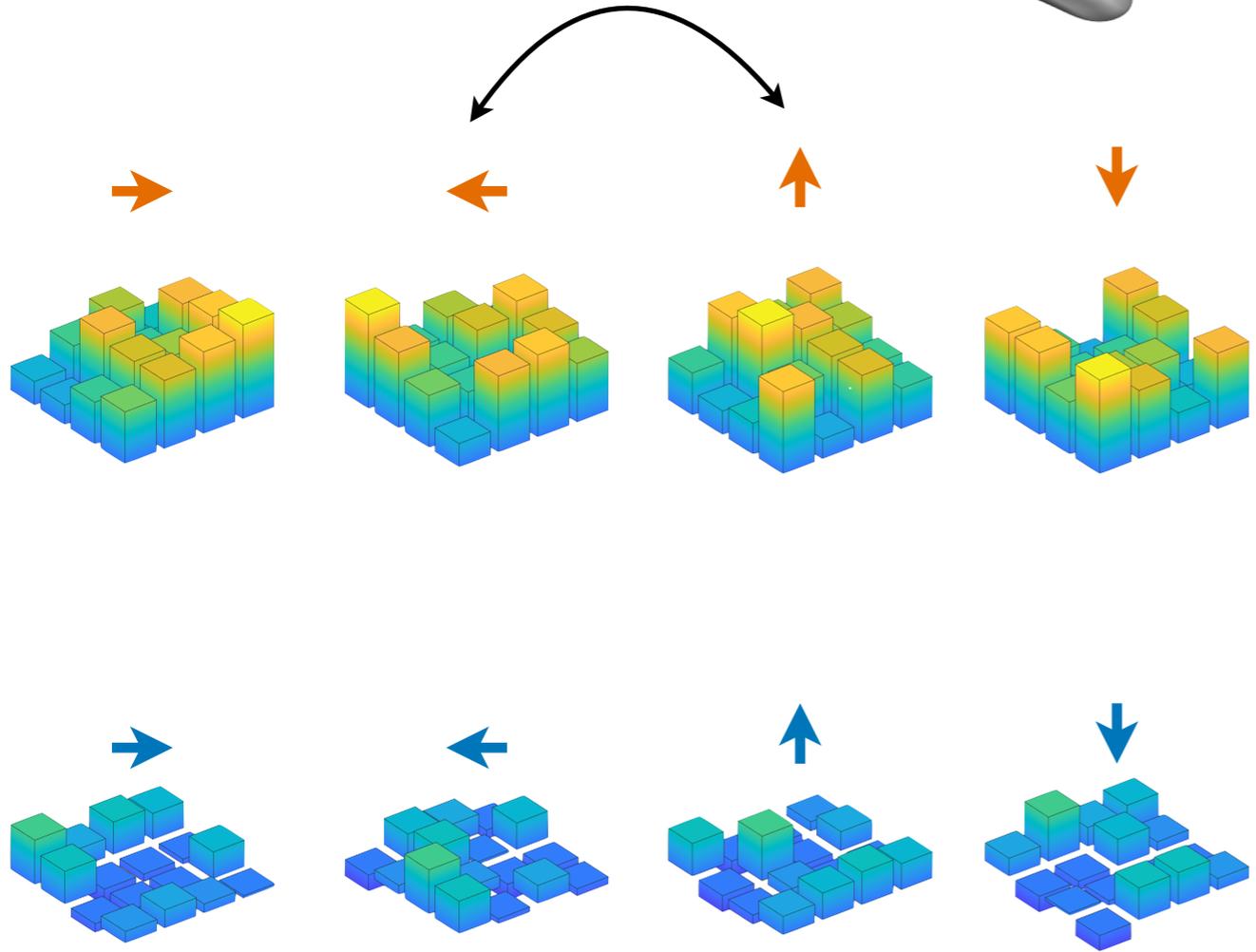
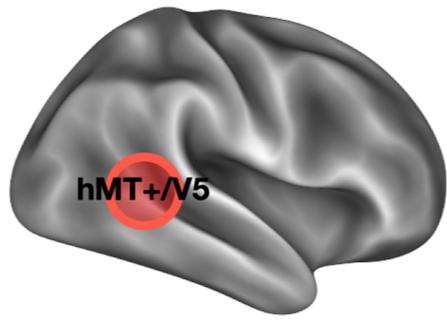


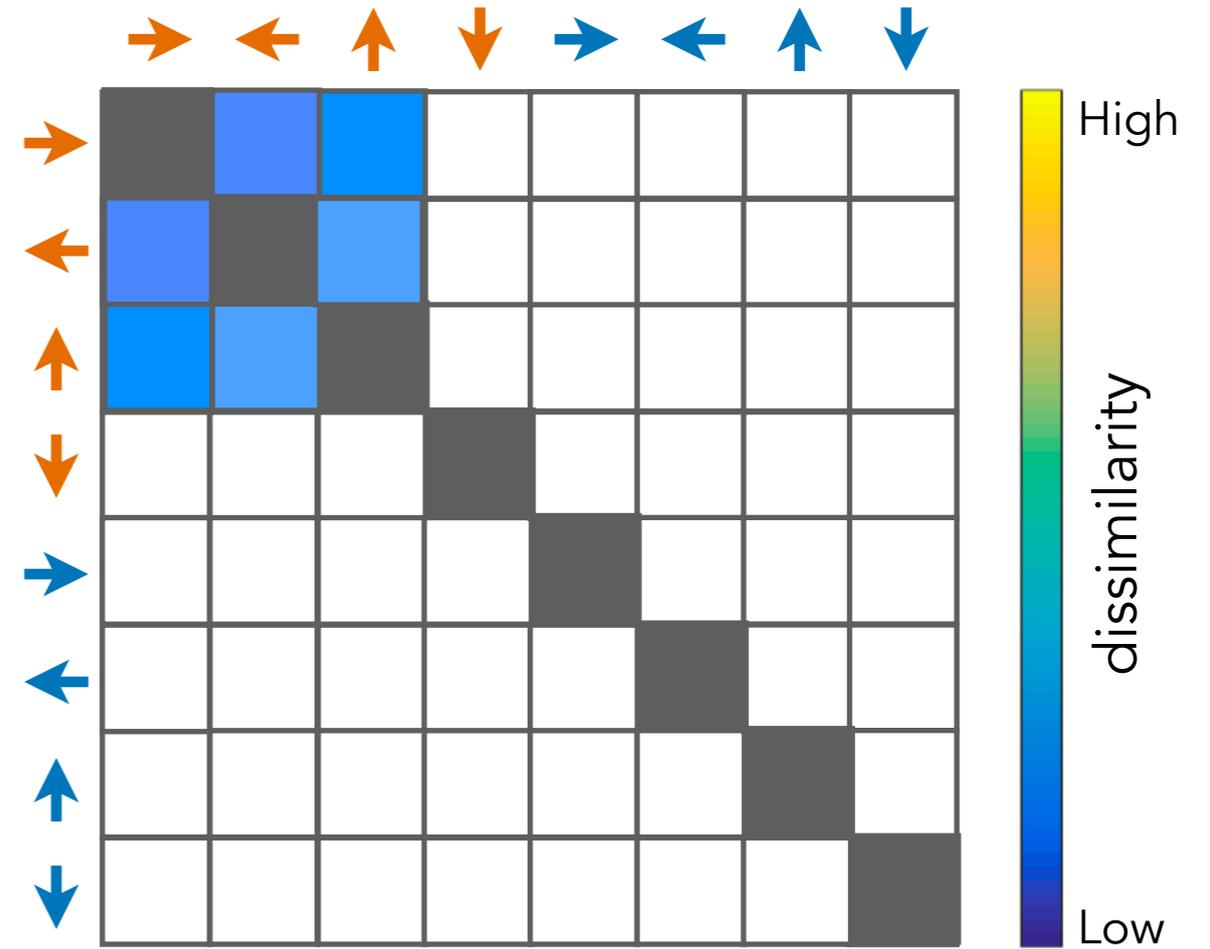
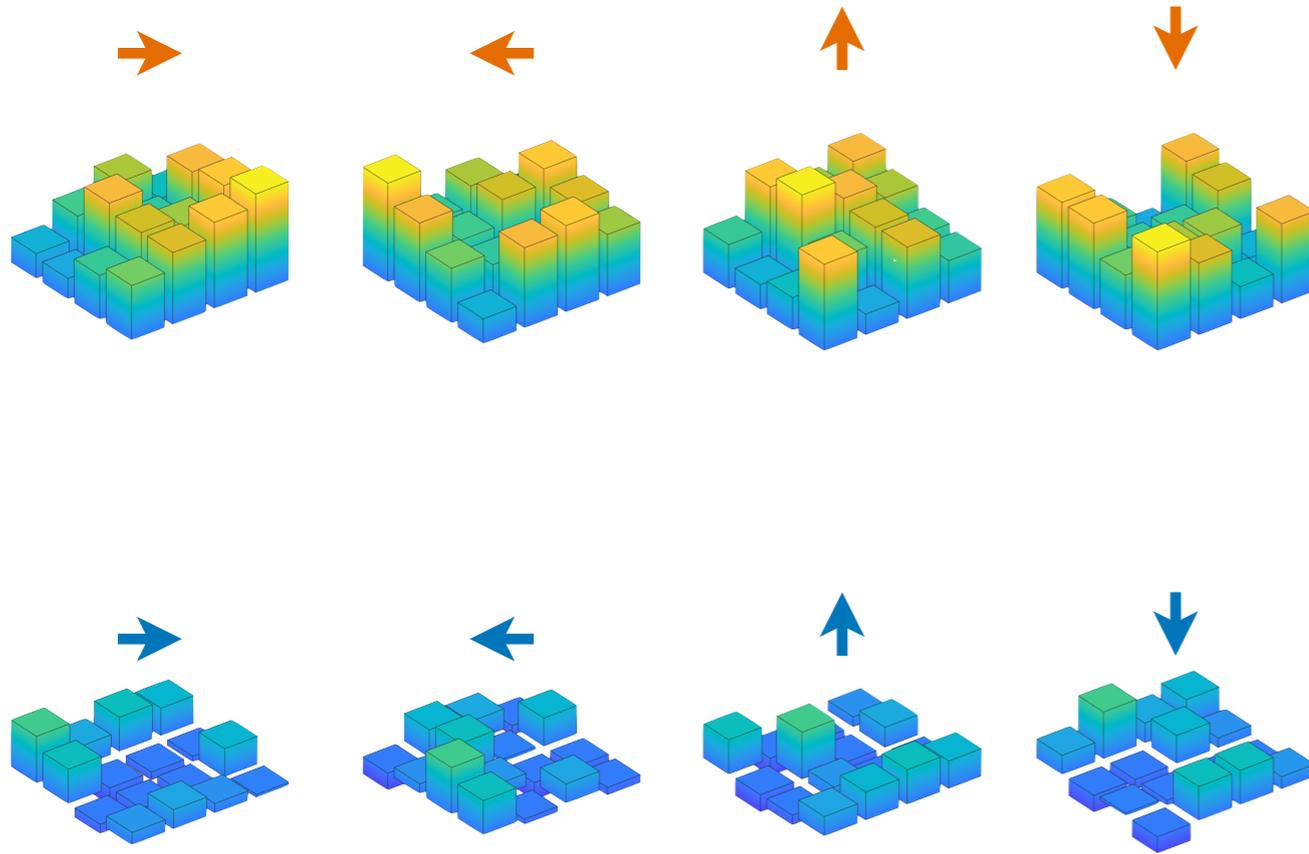
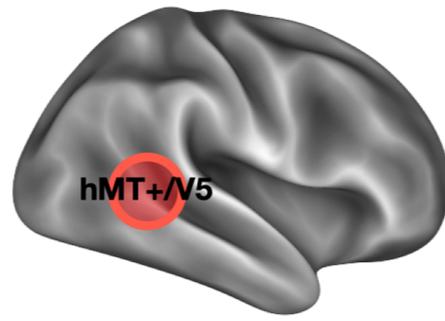


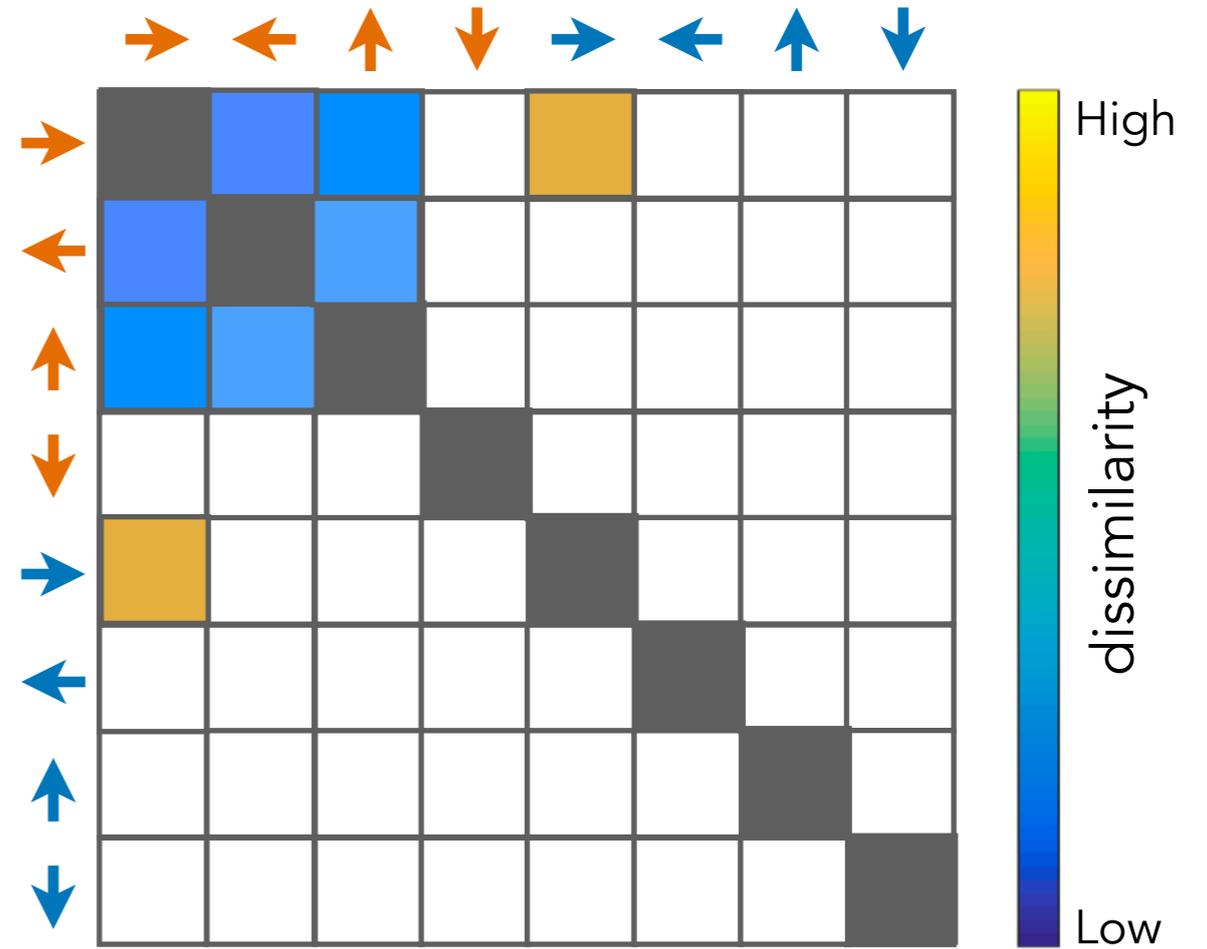
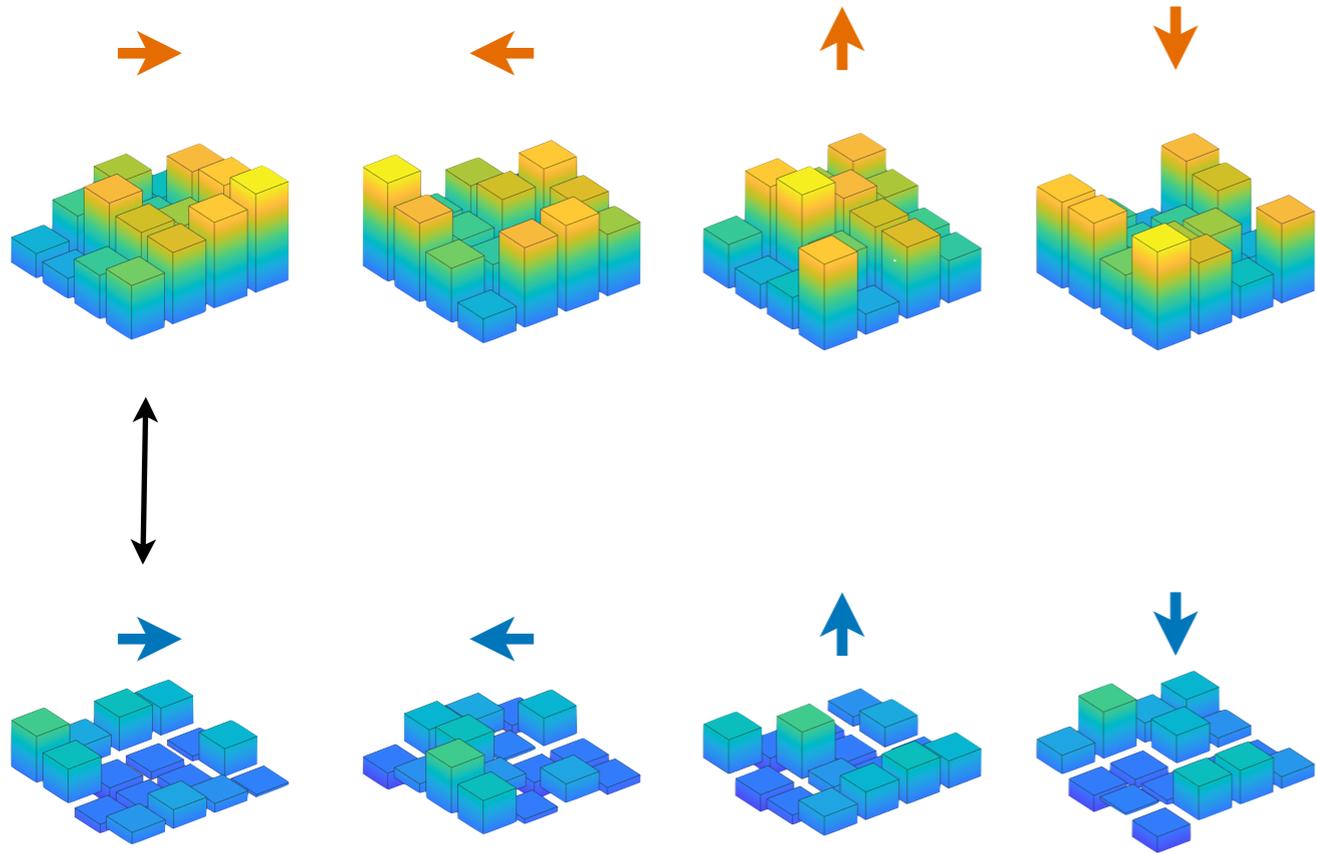
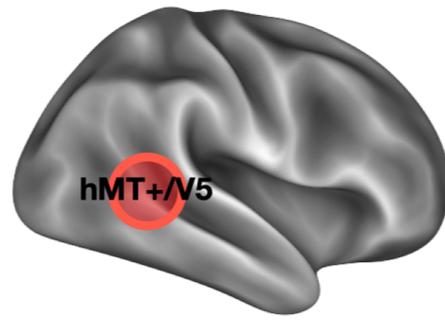


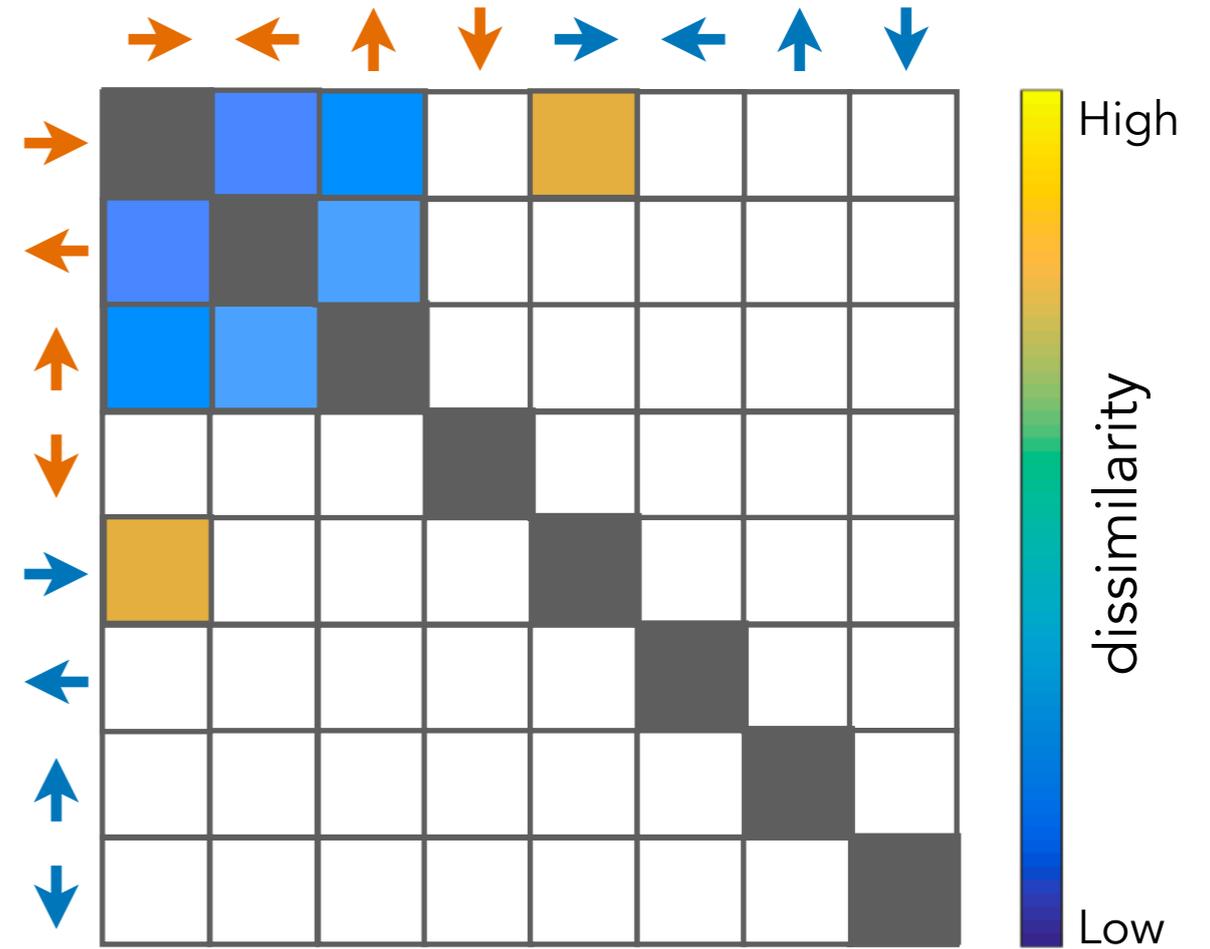
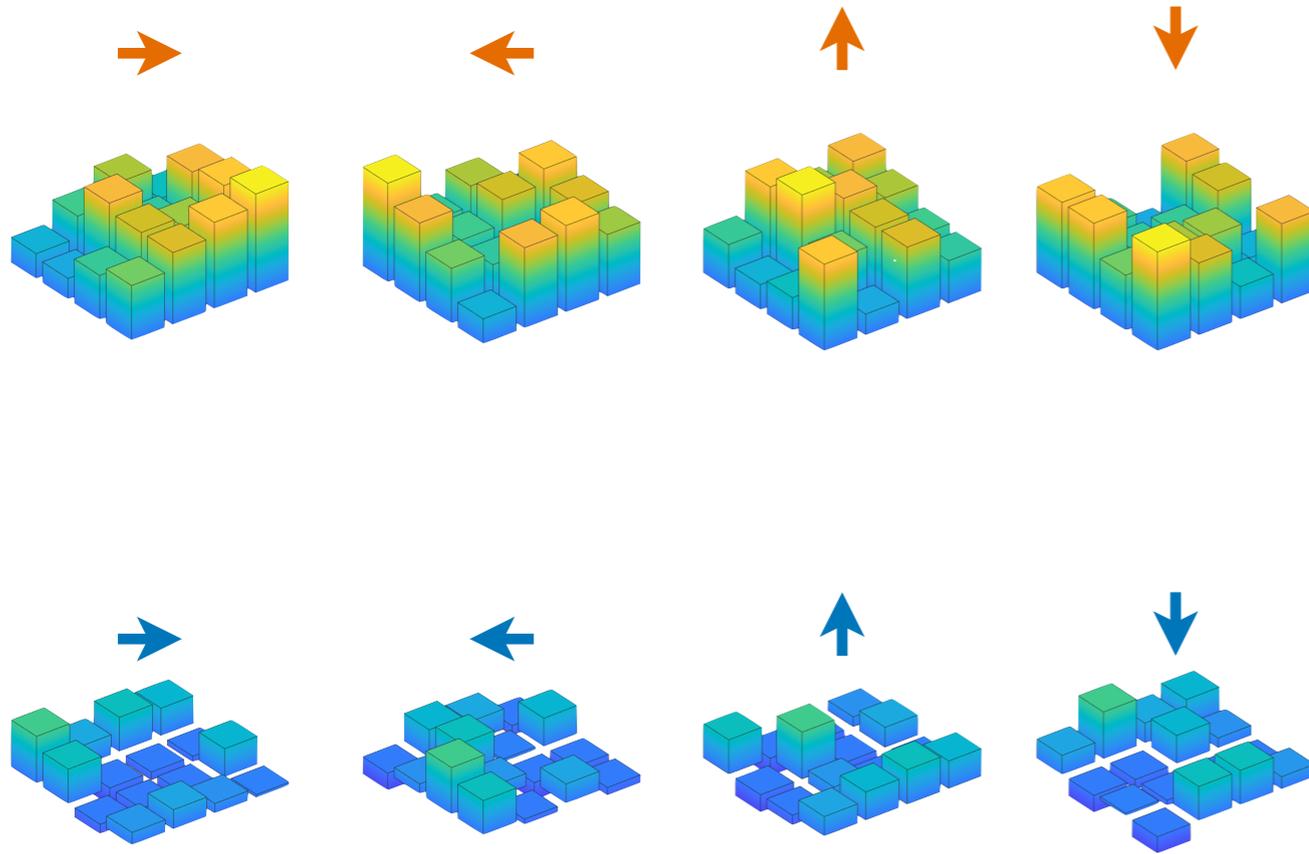
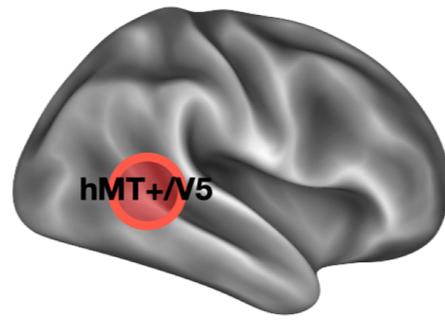


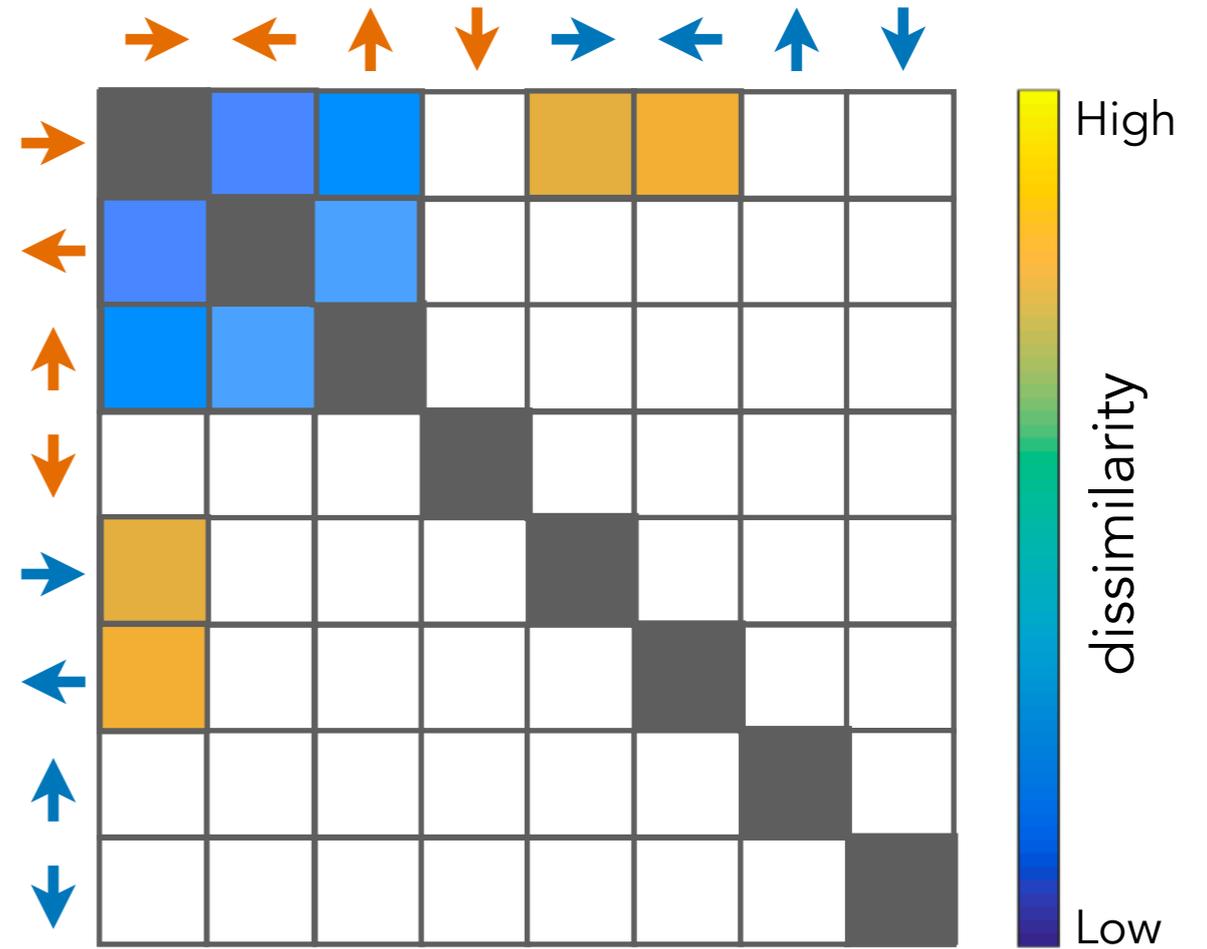
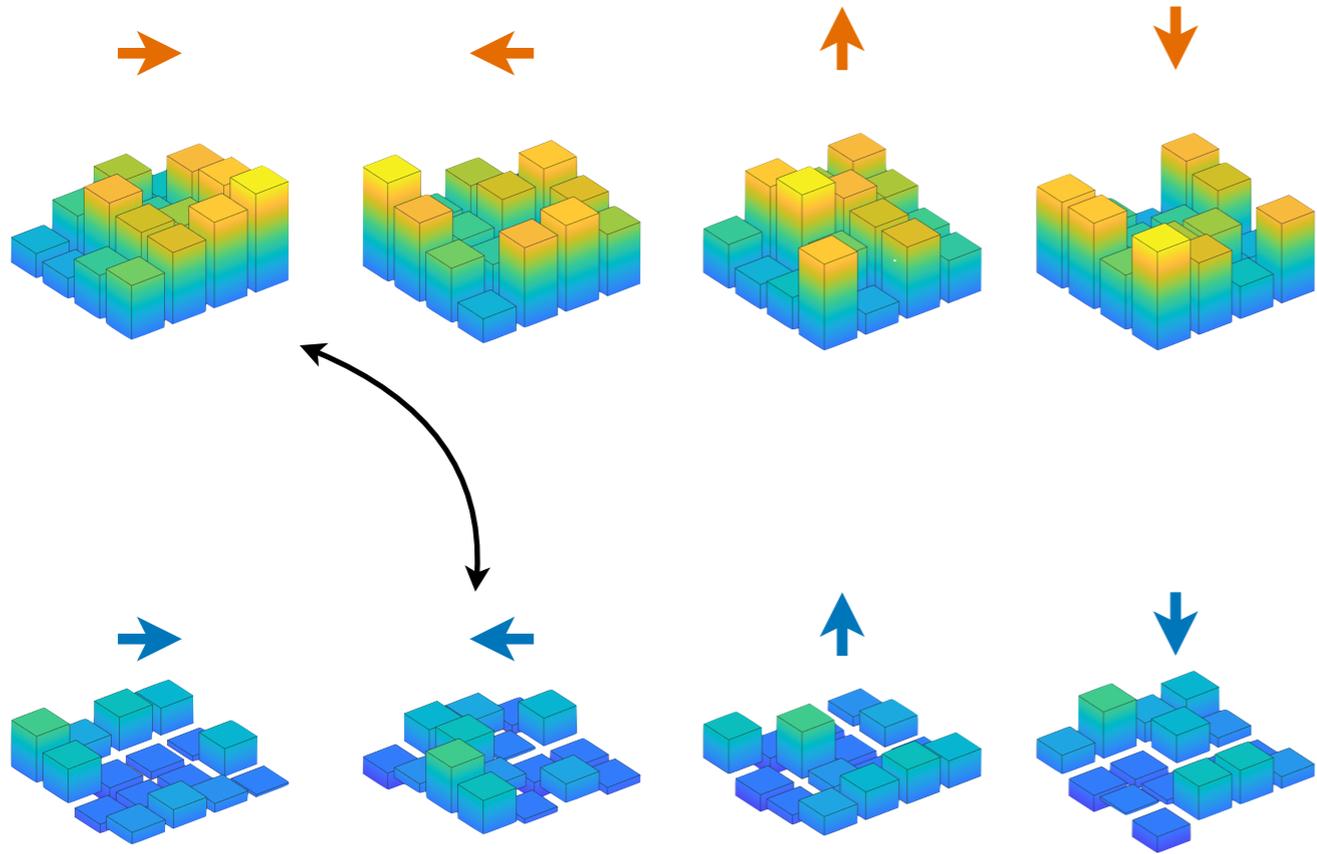
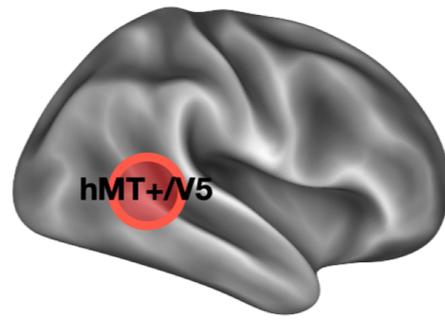


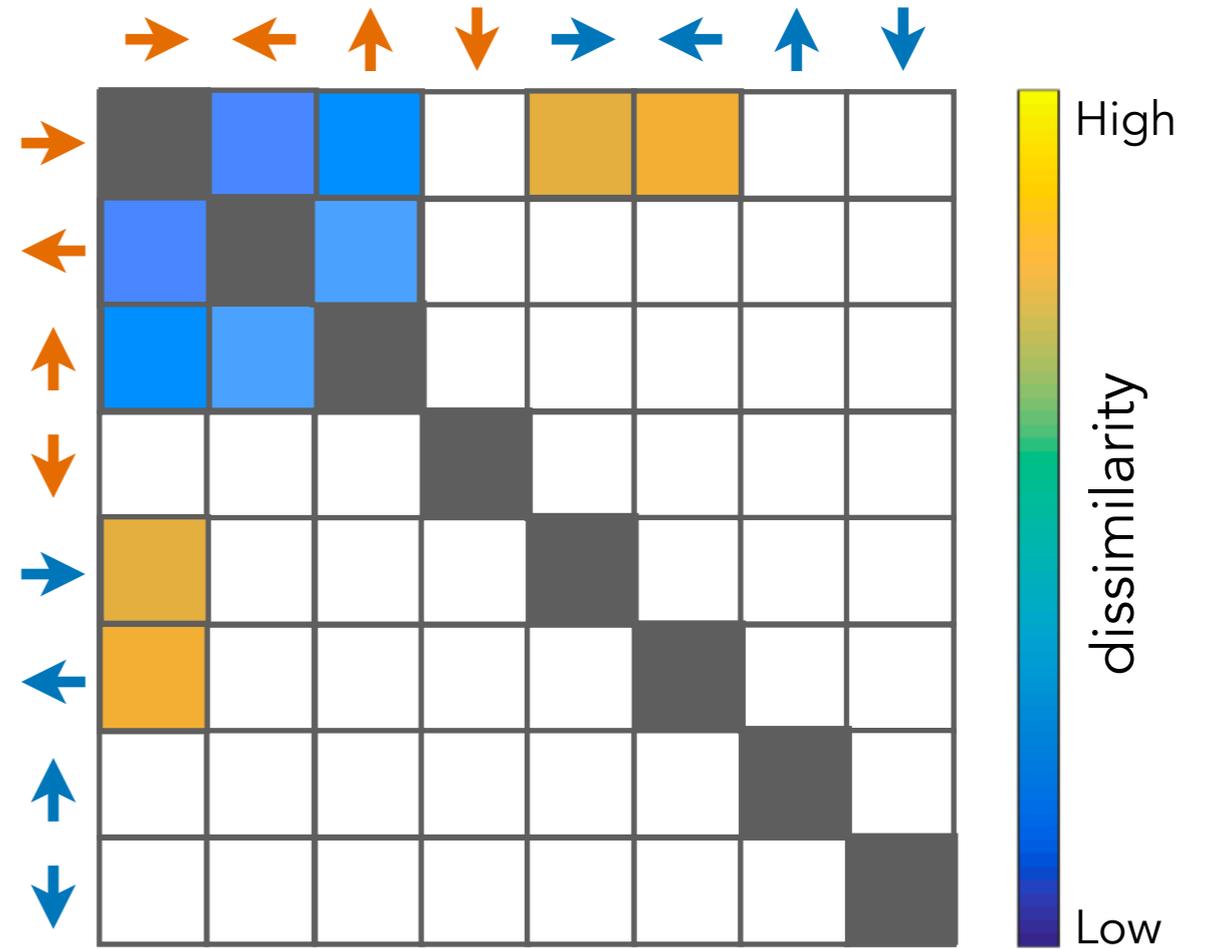
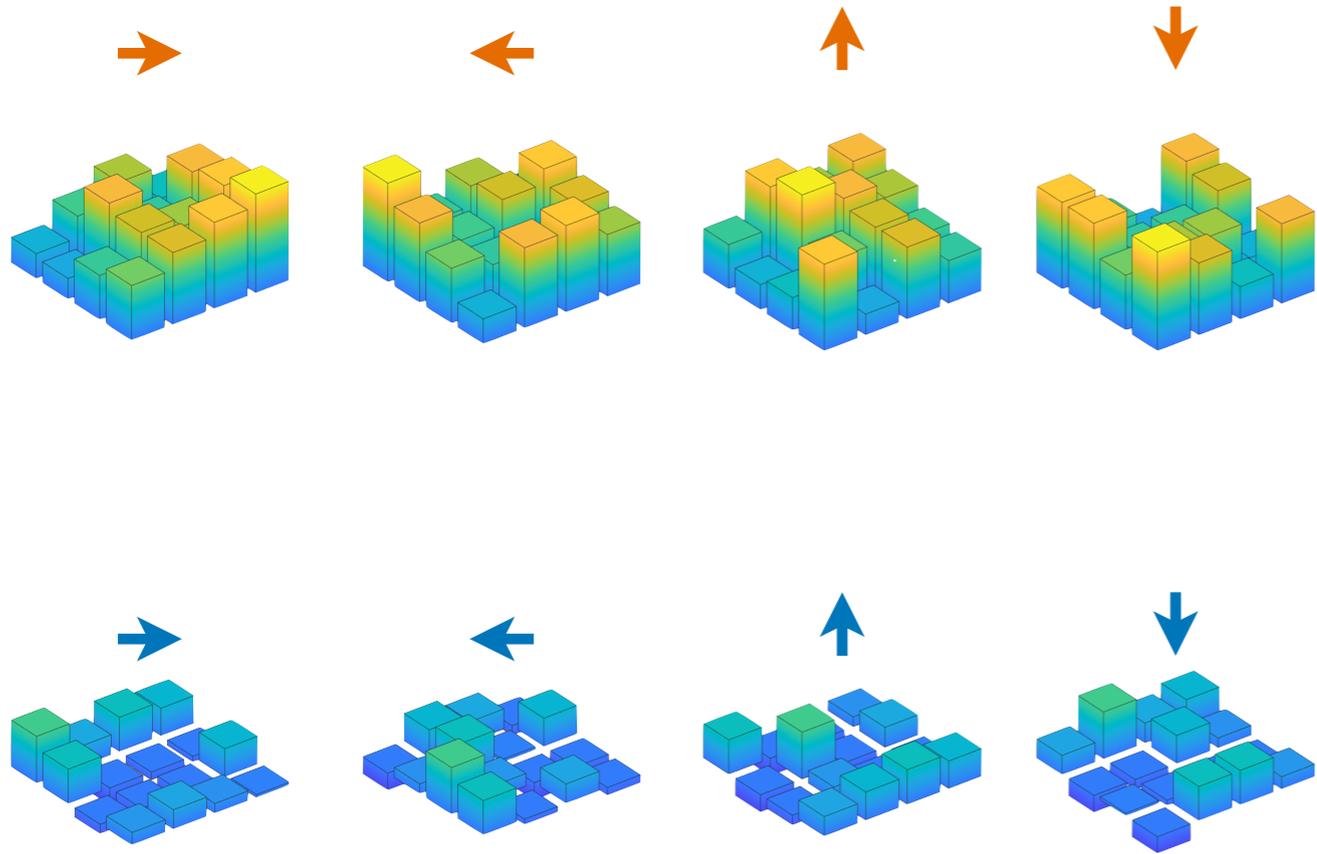
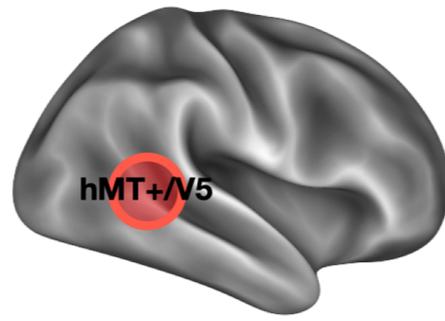


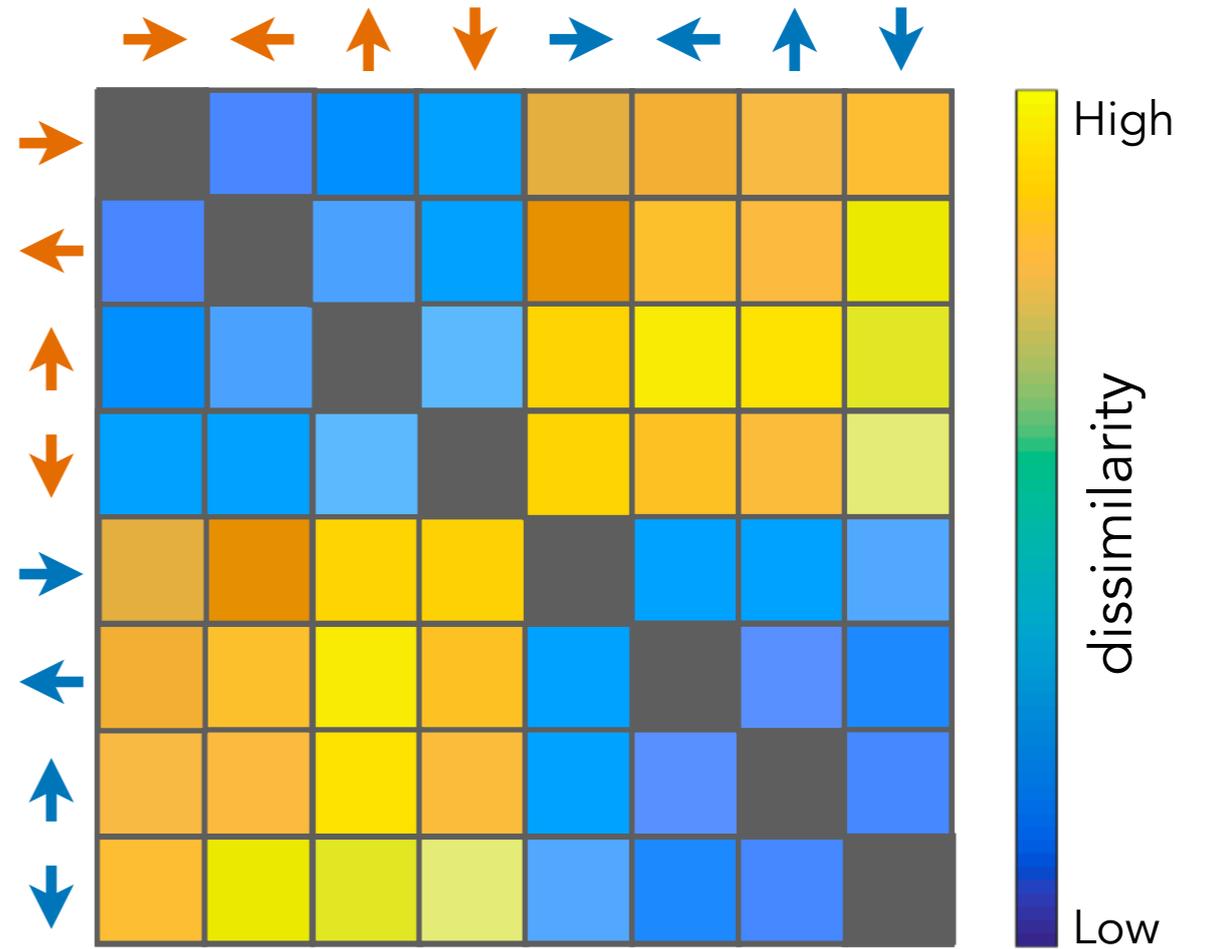
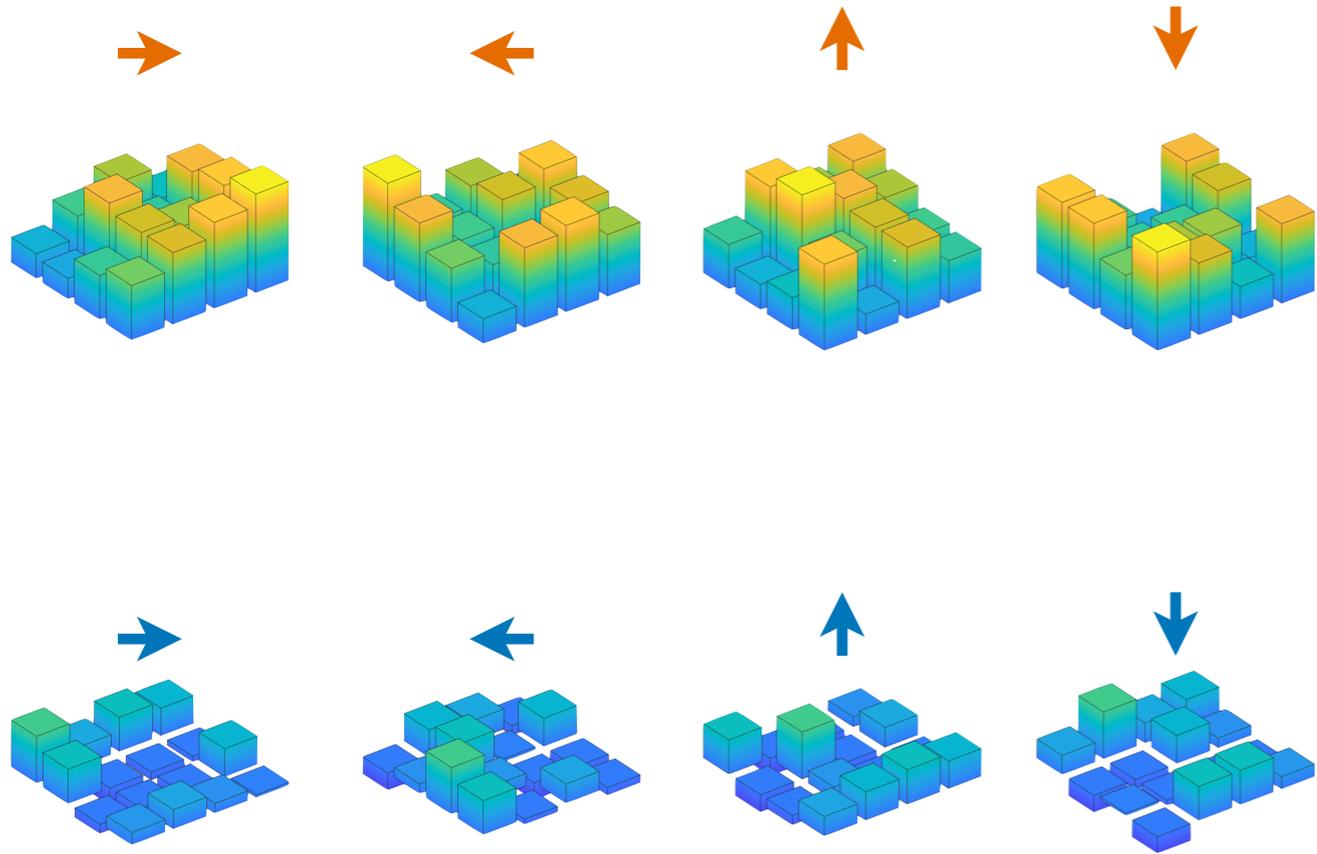
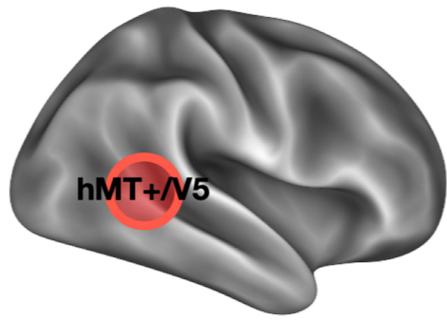


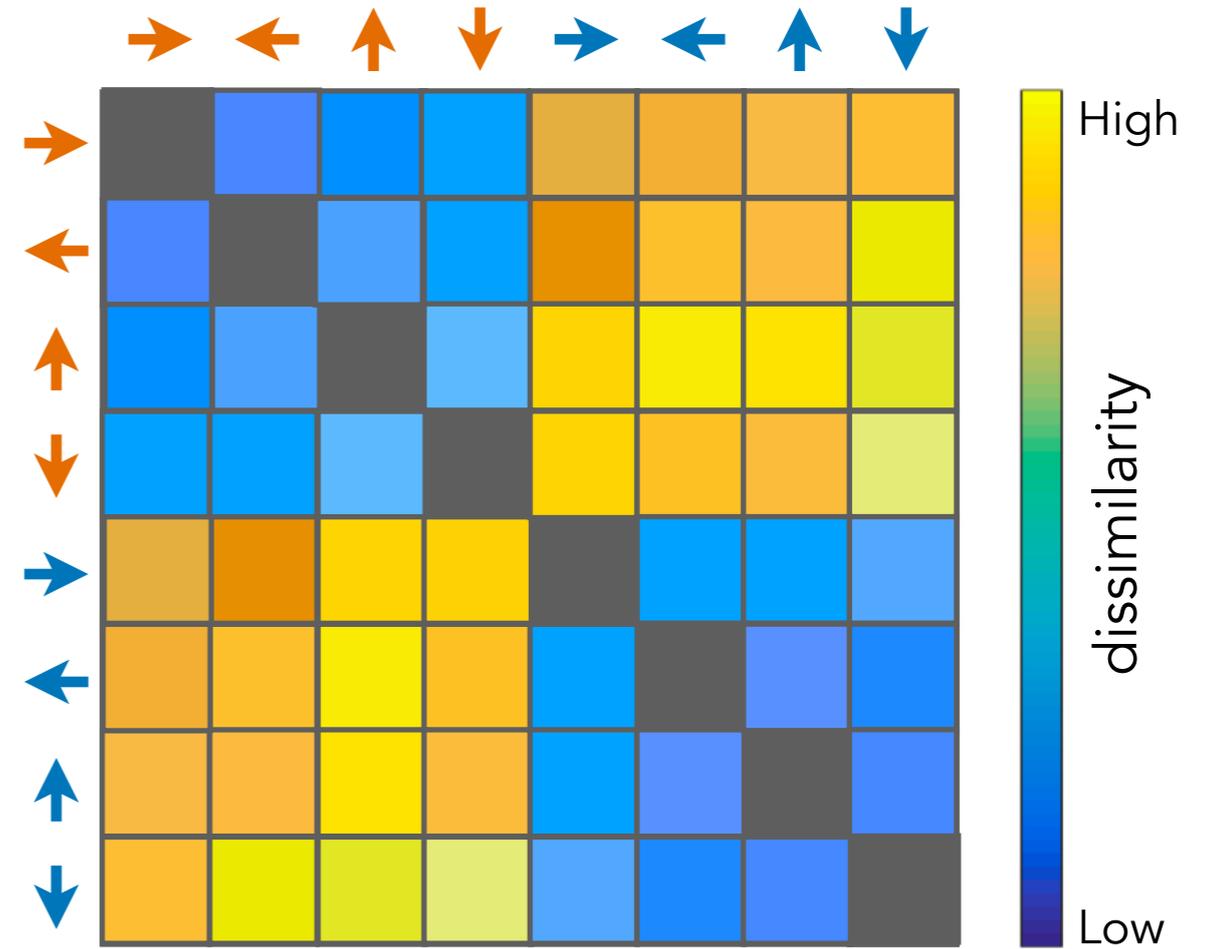
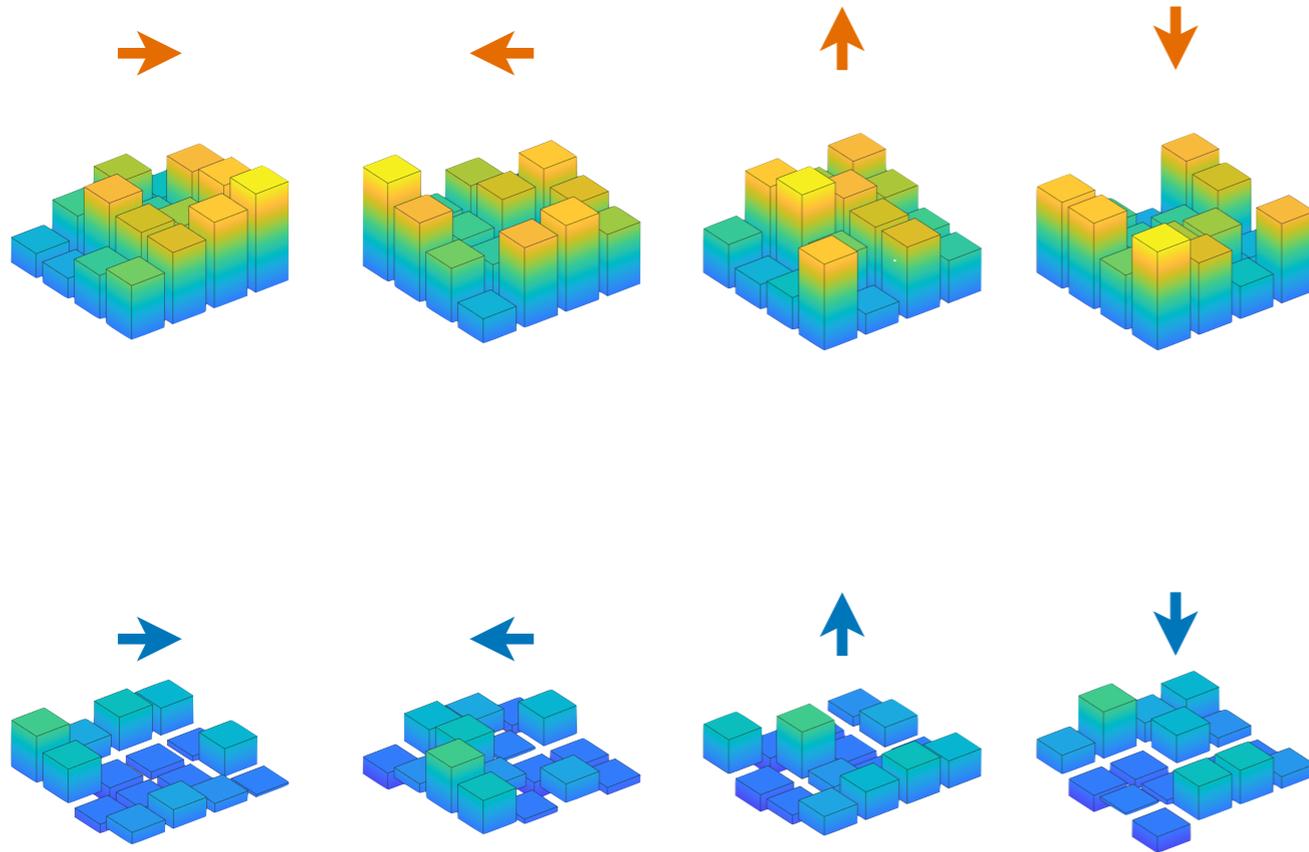
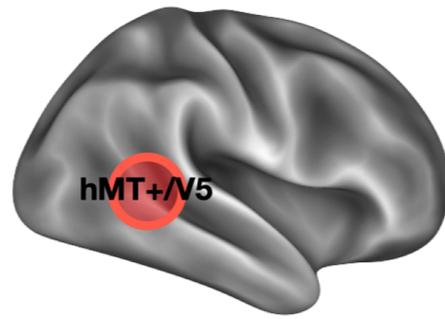




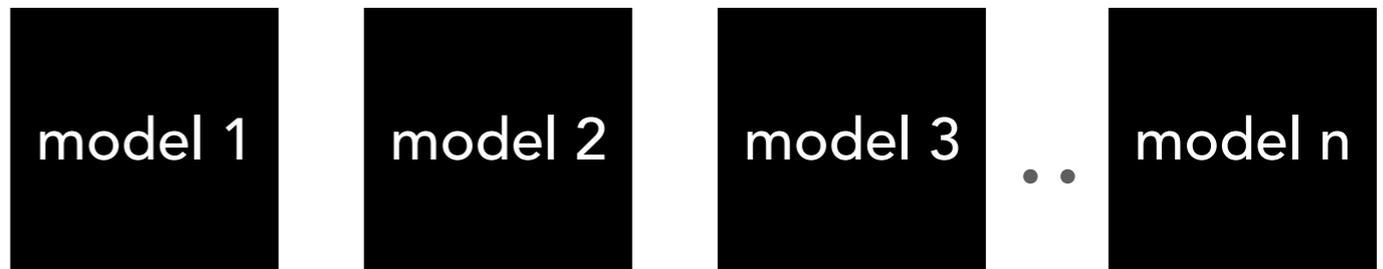


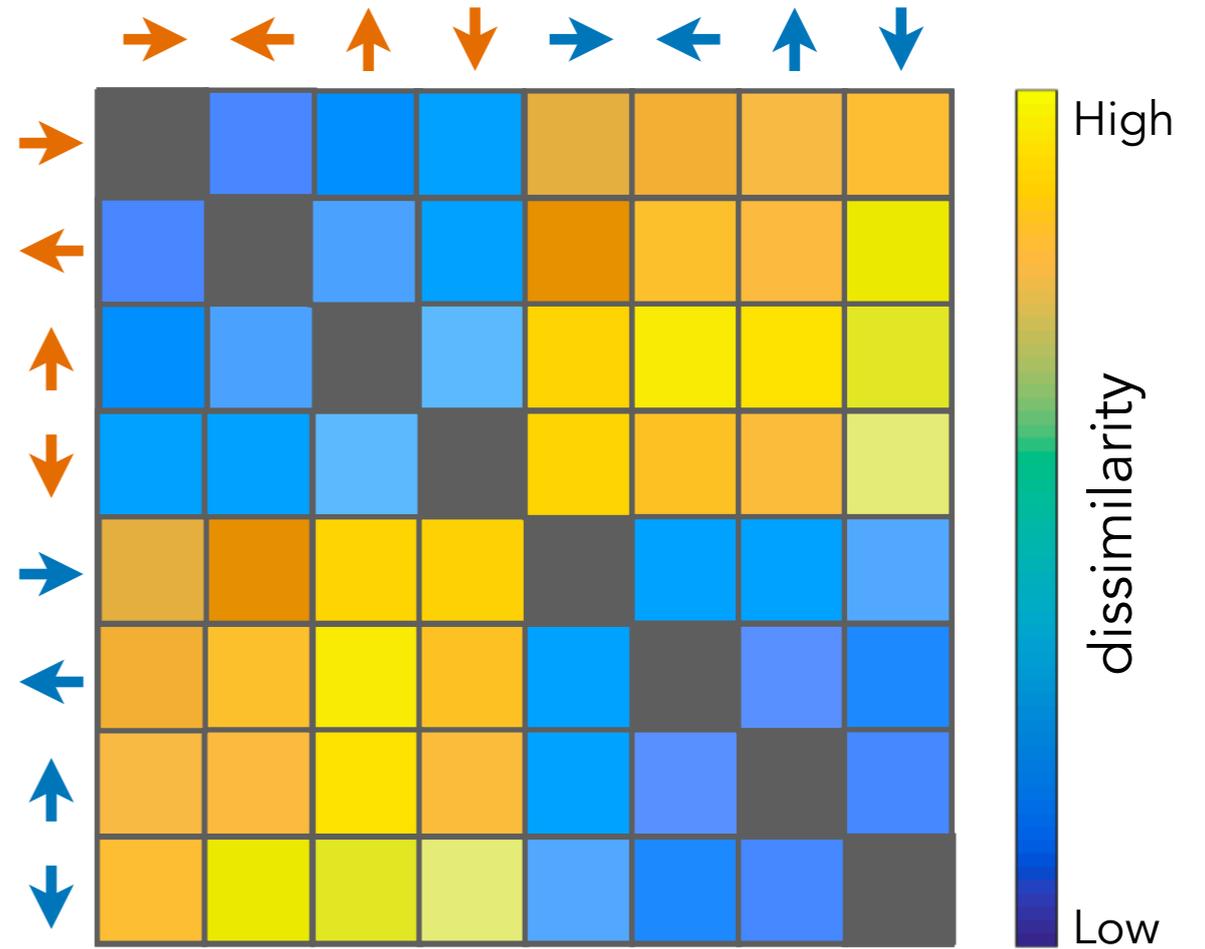
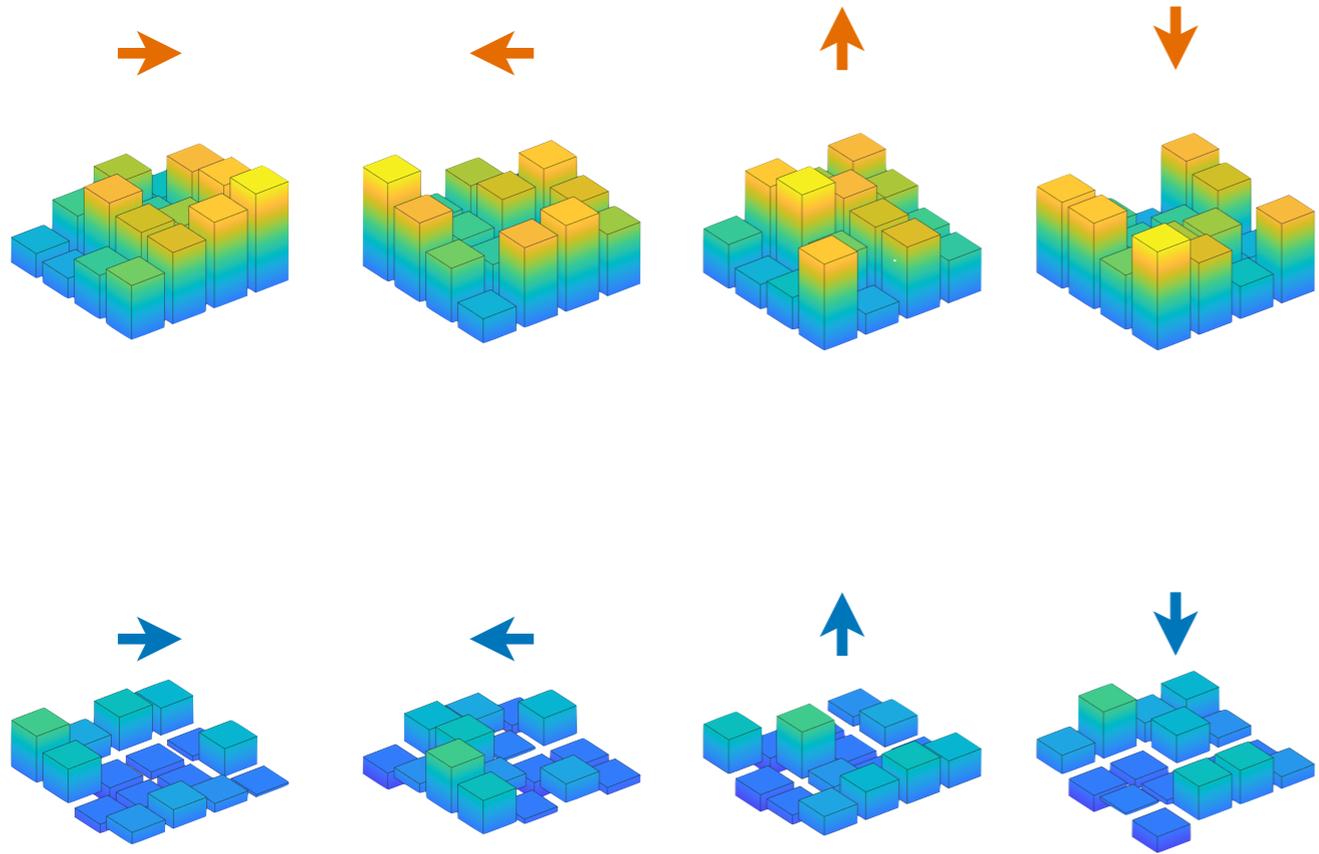
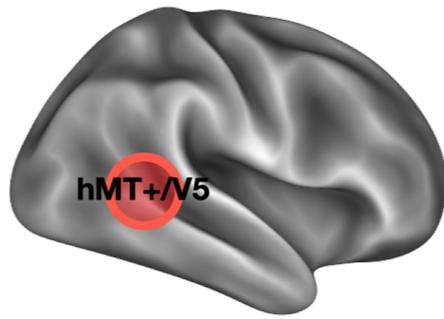




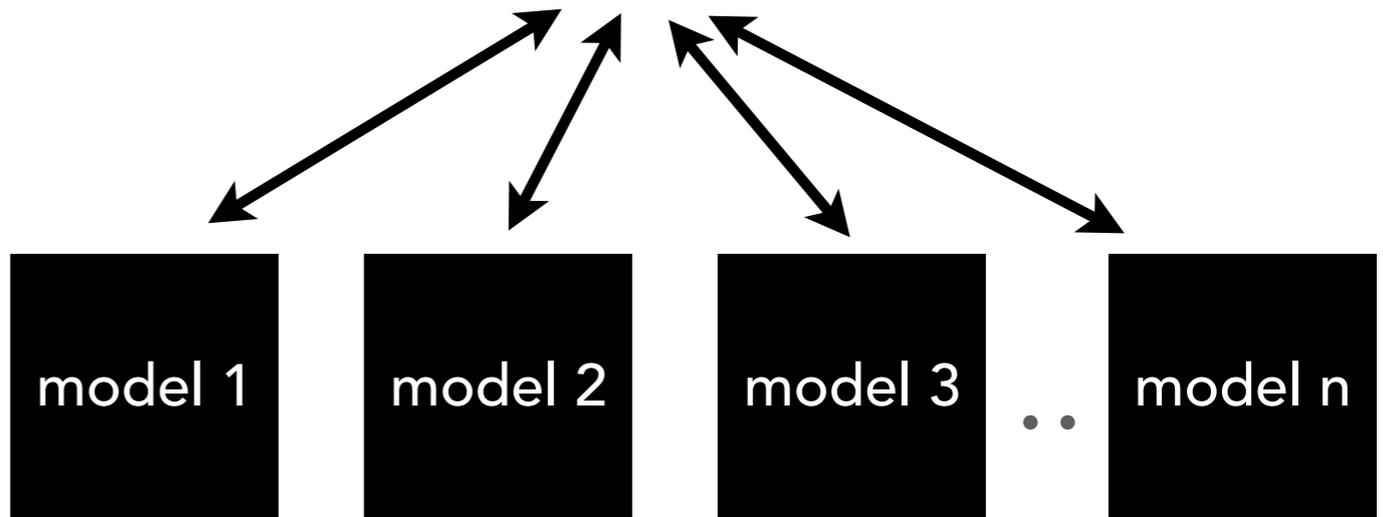


Theoretical models

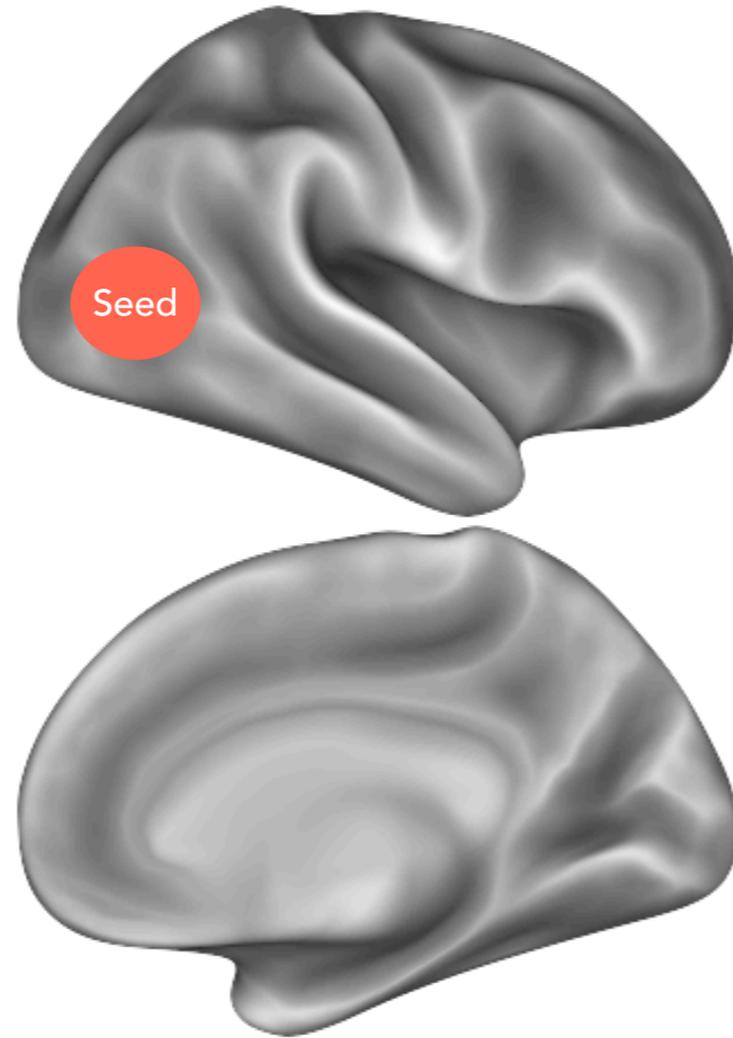




Theoretical models



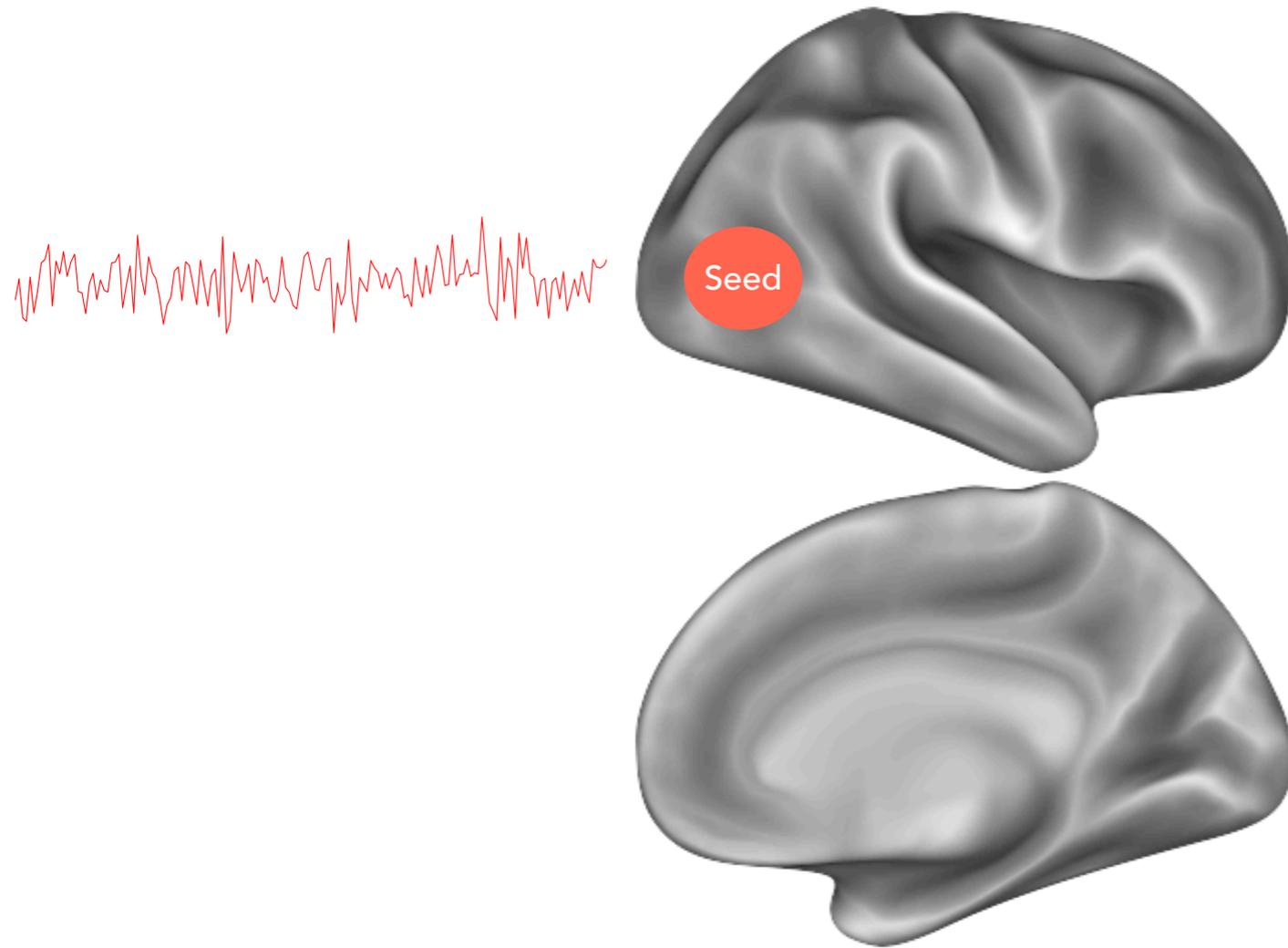
Task-based functional connectivity



Motion $>$ Static

Psychophysiological interaction

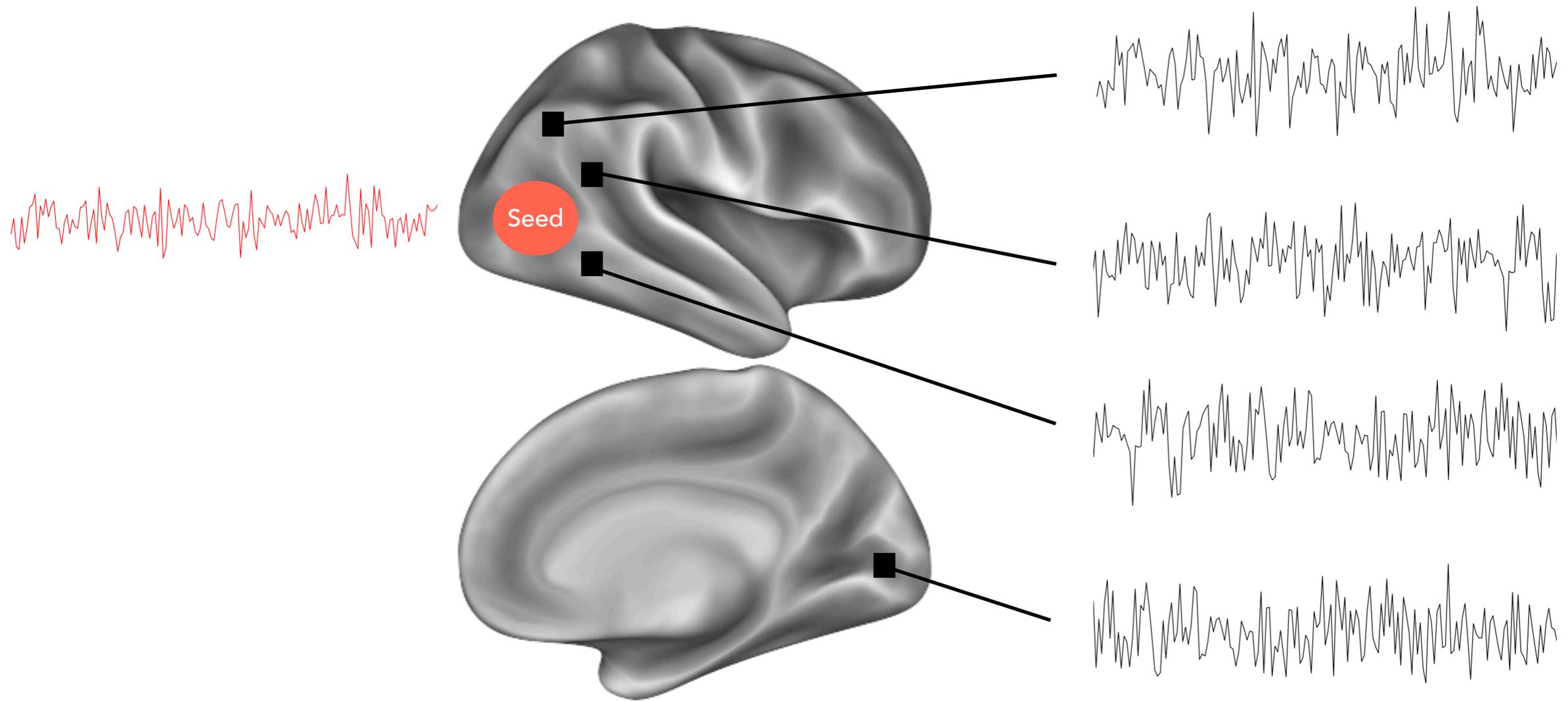
Task-based functional connectivity



Motion > Static

Psychophysiological interaction

Task-based functional connectivity

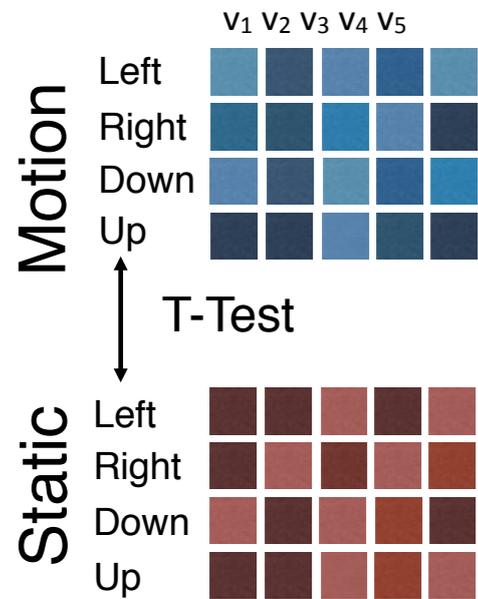
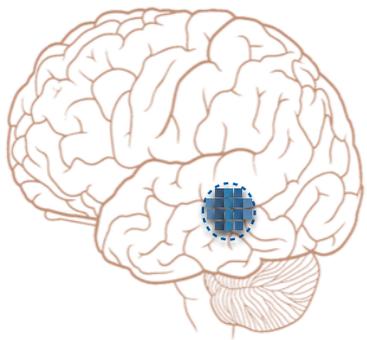


Motion > Static

Psychophysiological interaction

Probing multisensory networks with fMRI

A. Univariate Analysis



MULTIVARIATE APPROACH

Representational Similarity Analyses

Body vs External representation of action



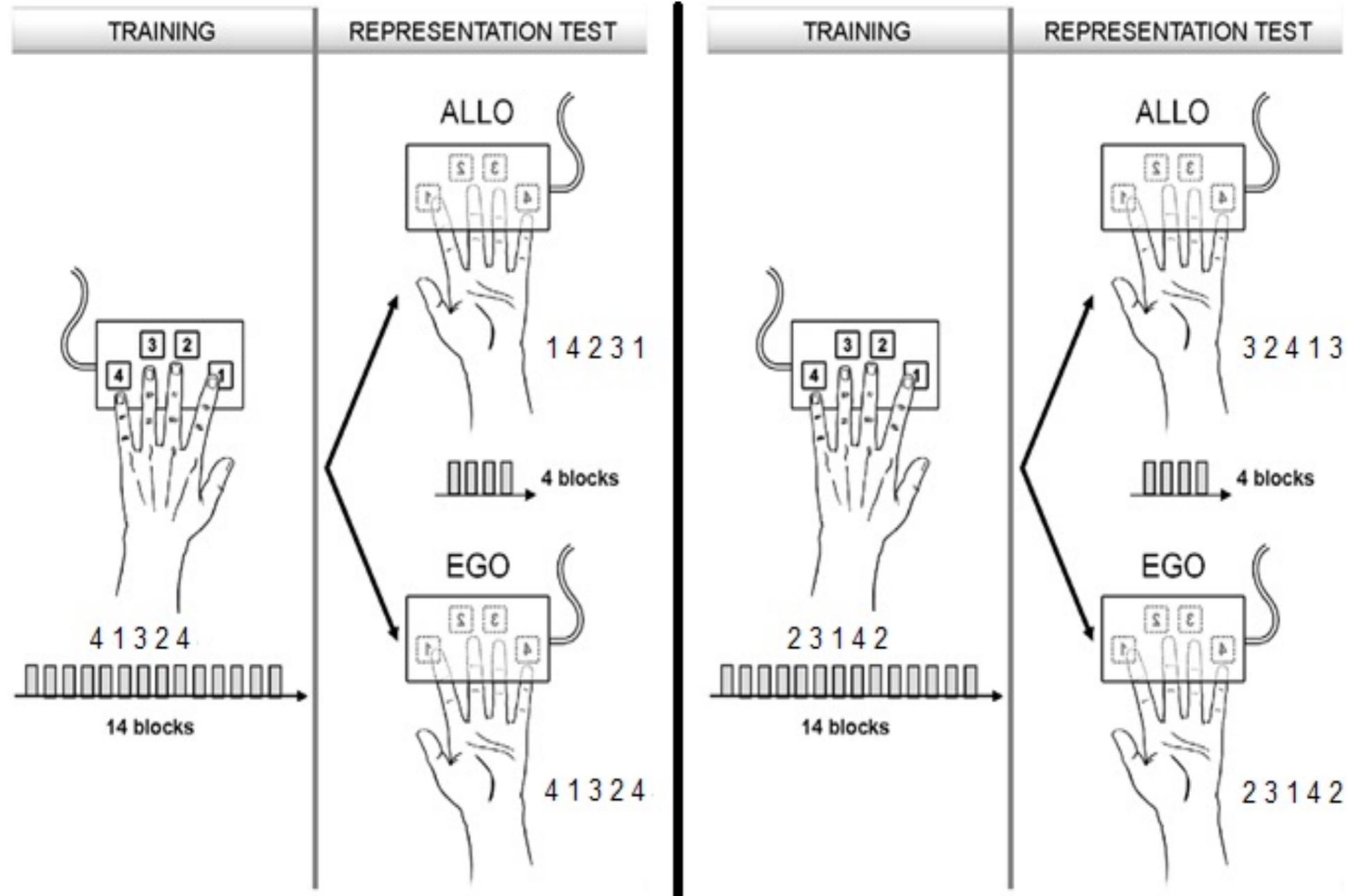
Milos Forman. AMADEUS (1984)

Body vs External representation of action

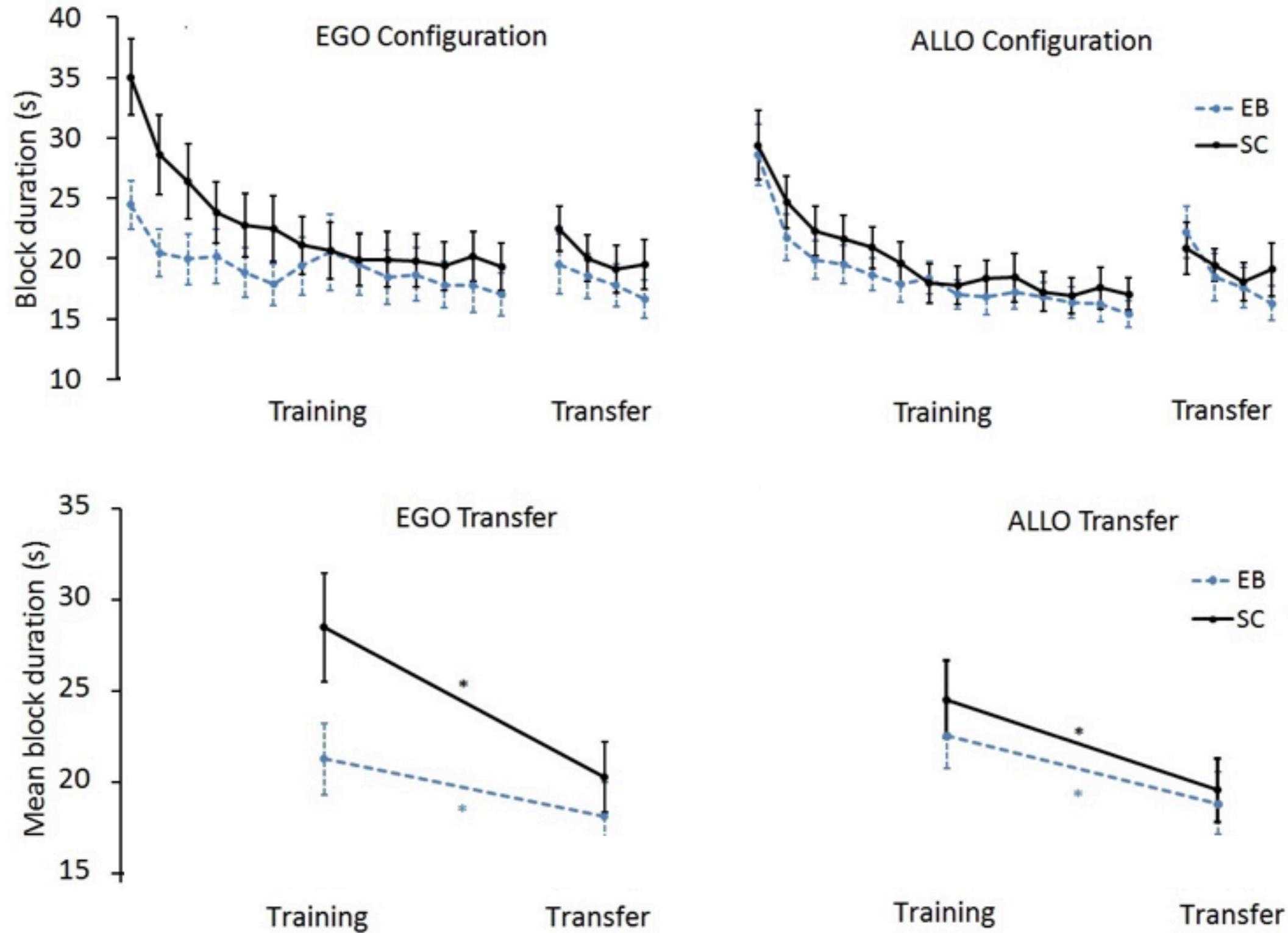


Milos Forman. AMADEUS (1984)

Ego vs Allo-centric representation of action



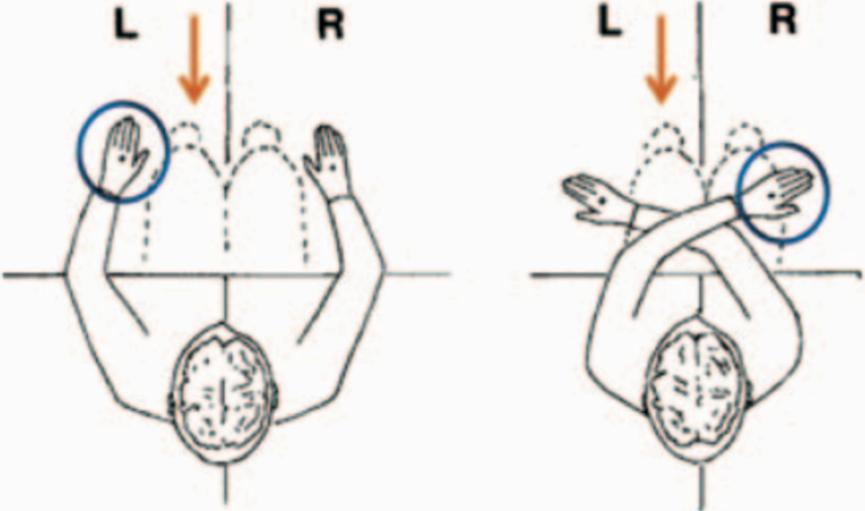
Ego vs Allo-centric representation of action



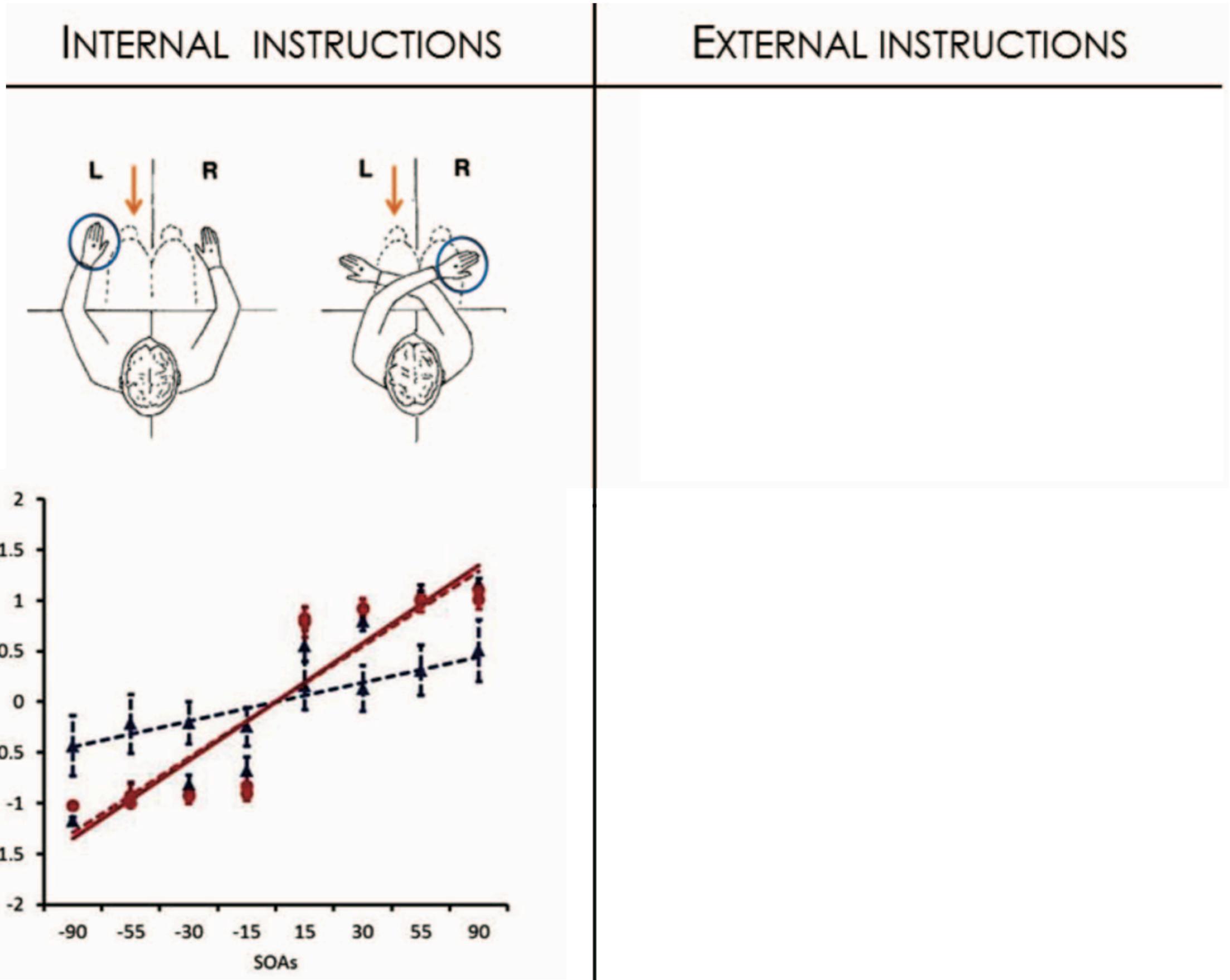
The use of external coordinates is task-dependent in the blind

INTERNAL INSTRUCTIONS	EXTERNAL INSTRUCTIONS

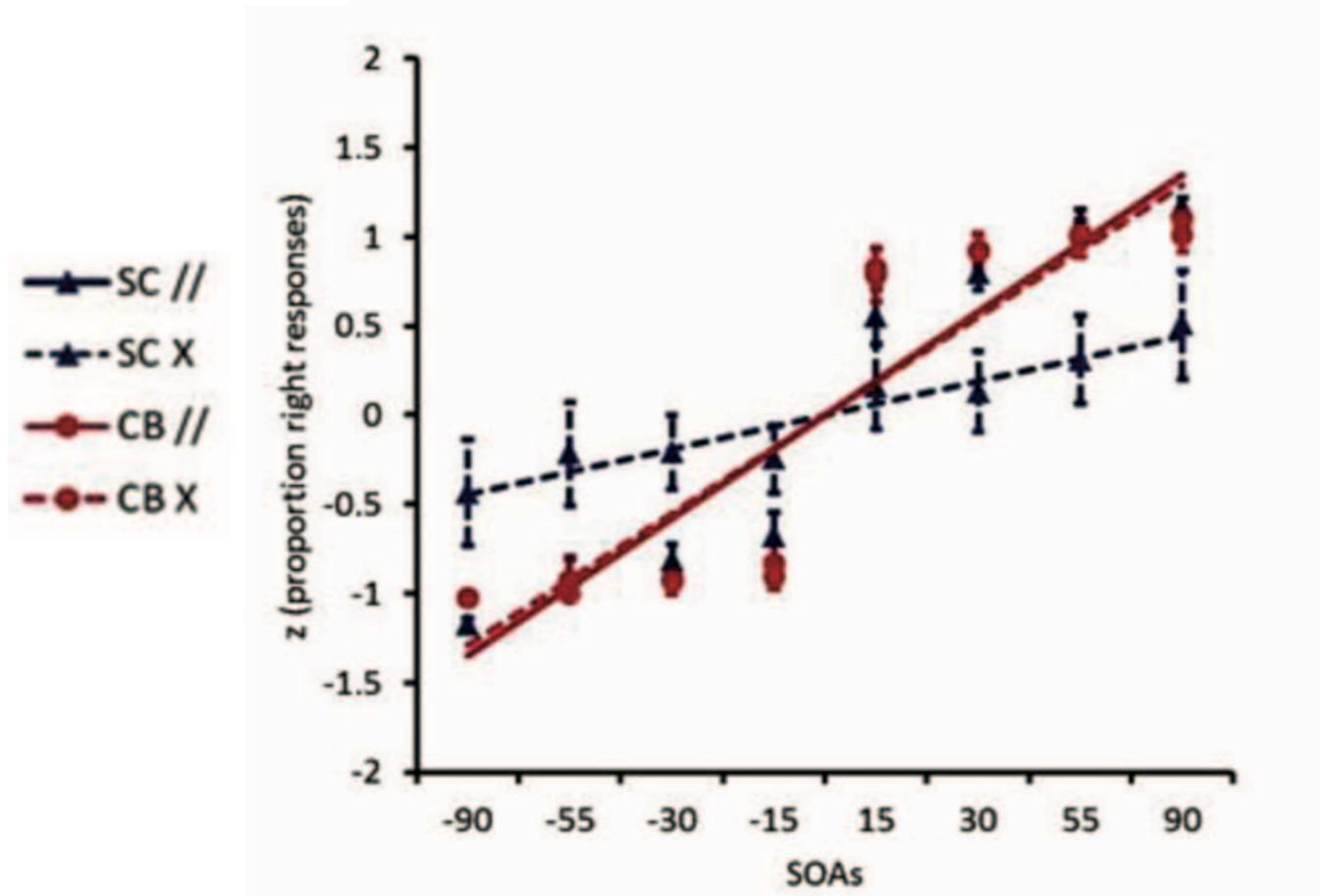
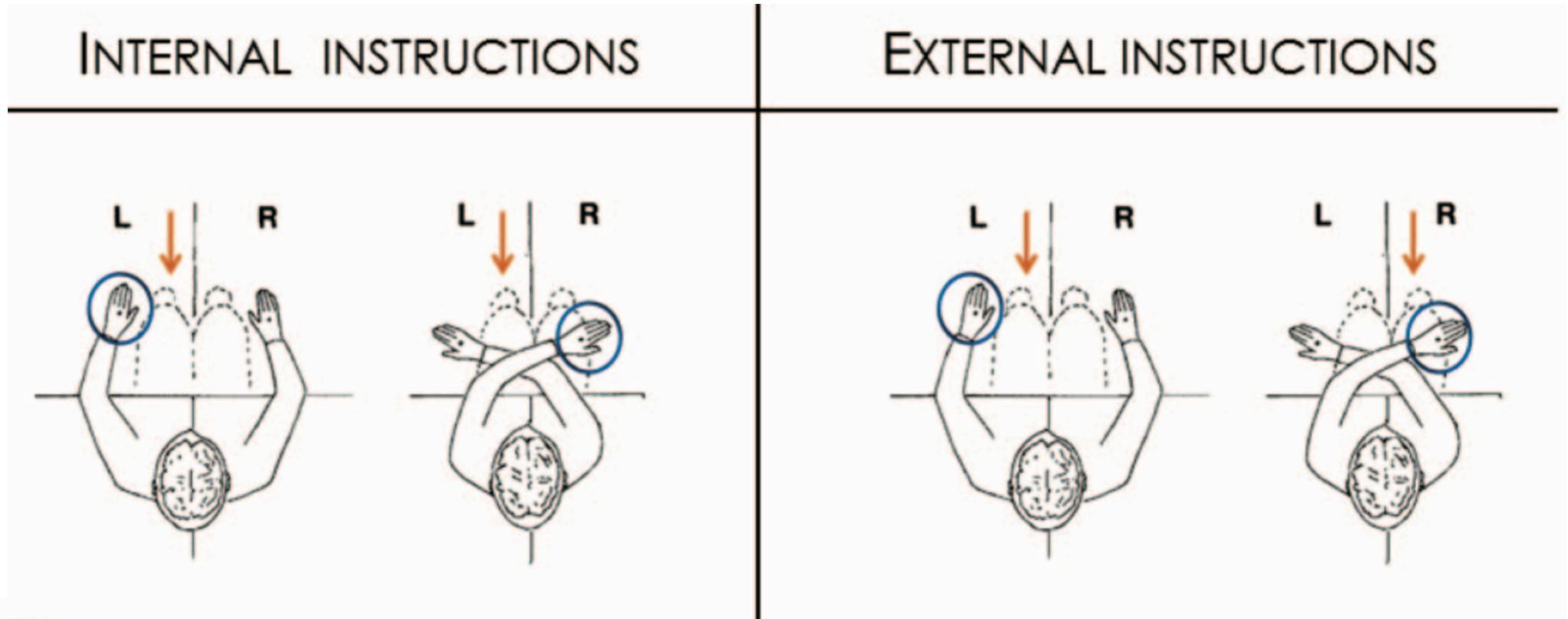
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INTERNAL INSTRUCTIONS	EXTERNAL INSTRUCTIONS
	

The use of external coordinates is task-dependent in the blind



The use of external coordinates is task-dependent in the blind



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