Neuroanatomy Task

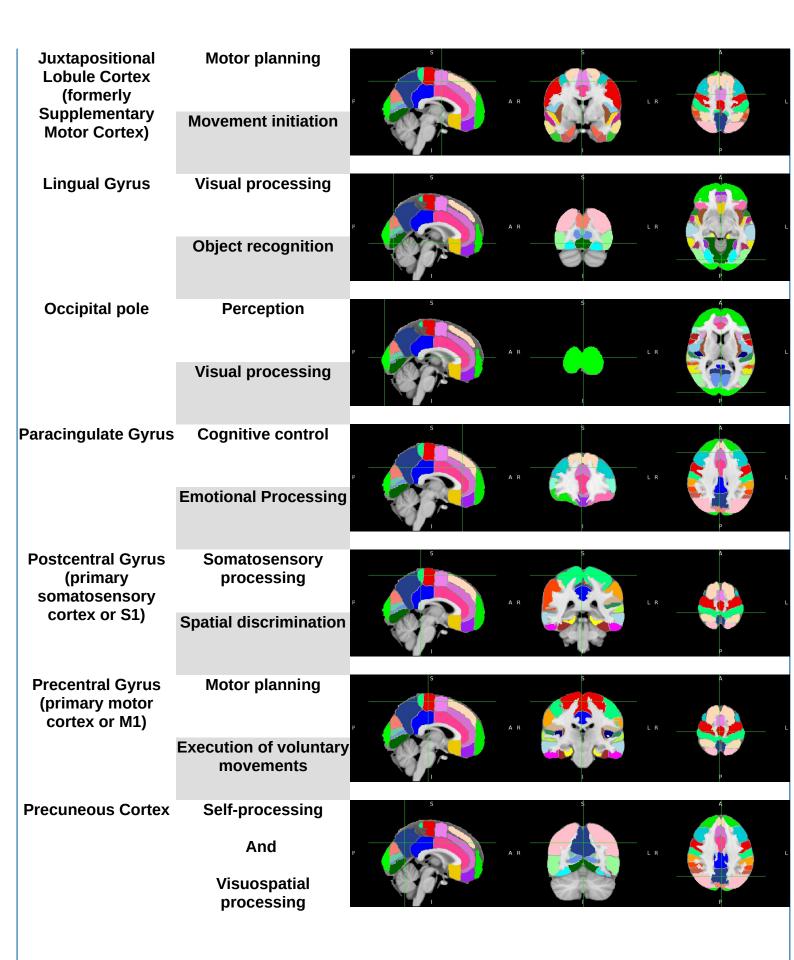
Mahmoud Rabea

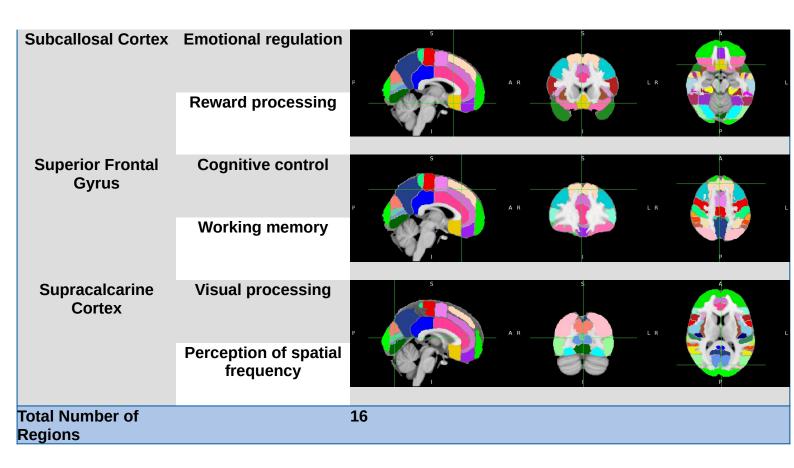
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Harvard-Oxford Cortical Structural Atlas:

Region Name	Two main functions	Screenshot
Cingulate Gyrus, anterior division	Emotional Processing	
	Decision Making	
Cingulate Gyrus, posterior division	Sensory integration	P AR LR L
	Pain processing	
Cuneal Coretex	Visual processing	P AR LR
	Visuospatial attention	
Frontal Medial Cortex	Decision-making	P AR LR L
	Self-awareness	
Frontal Pole	Attentional control	P AR LR L
	Decision-making	
Intracalcarine Cortex (primary visual cortex or V1)	Visual processing	A R LR
	Perception.	

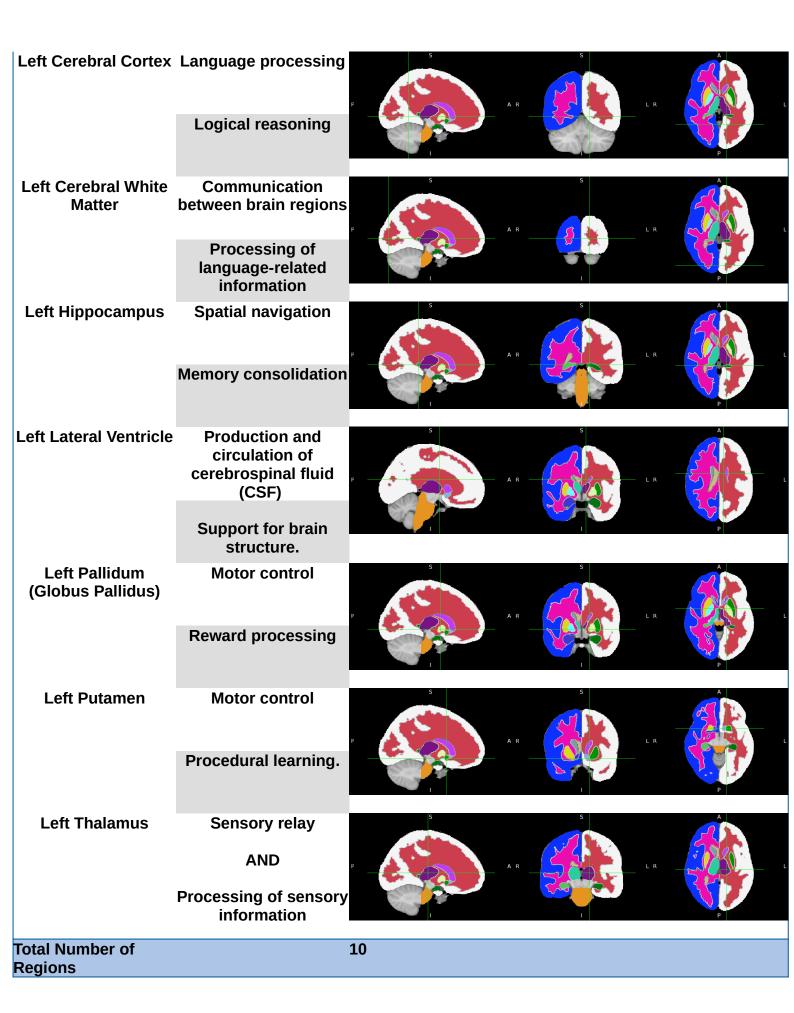




Harvard-Oxford Sub-cortical Structural Atlas:

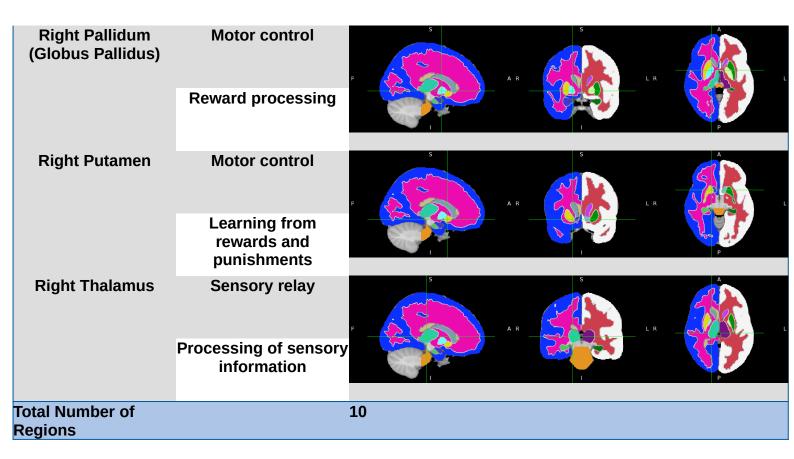
Left:

Region Name	Two Main Functions	Screenshot
Left Accumbens (nucleus accumbens)	Reward processing	S S LR L
	Motivation	
Left Amygdala	Emotional processing	P AR LR L
	Emotional memory	
Left Caudate	Motor control	P AR LR
	Cognitive flexibility.	



Right:

Kigitt.		
	Two Main Functions	Screenshot
Right Accumbens (nucleus accumbens)	Reward processing Motivation	F AR LR
Right Amygdala	Emotional processing	
Night Amyguala	Emotional memory	A R
Dight Coudete		S S A
Right Caudate	Motor control	P AR LR
Dimbet County and	Reward-based learning	S S
Right Cerebral Cortex	Spatial processing	P AR LR
	Creative thinking	
Right Cerebral White Matter	Communication between brain regions	A R L R
	Processing of sensory information	
Right Hippocampus	Spatial navigation AND	P A R L R L
	Memory consolidation	
Right Lateral Ventricle	Production and circulation of cerebrospinal fluid (CSF)	A R L R L
	Support for brain structure.	



Cerebellum & Brainstem:

Region Name	Two main functions	Screenshot
Cerebellum	Motor coordination and balance	S S LR LR L
	Learning and memory related to motor skills	
Brainstem	Regulation of vital functions such as breathing and heart rate.	F AR LR L
	Transmission of neural signals between the brain and the rest of the body	