Alh7150 - connectomics

Assignment (deauning by doing).

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3.7: Tunchoral connectivity values raing Reauson's couldation coefficient

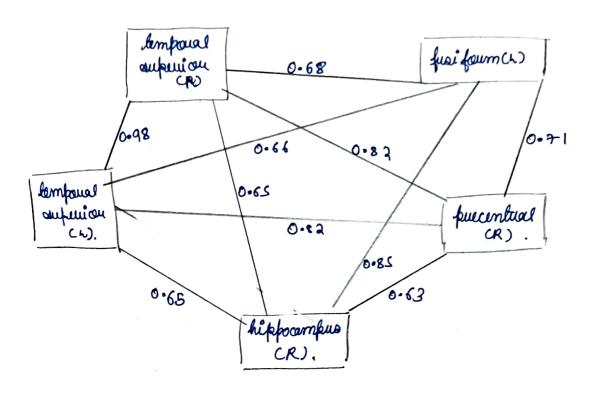
ROI'S Ether description for further analysis

	(n,y,z) Emmm, Label (AAh3)		% cluster	
R01-1	(-30,-31,-19)	Gusifourn (left)	66.67	
R01-2	(-63, -28,11)	"tempoual suprison (left)	51.97	
Ro1-3	(30,-31,-16)	Hippocampus (Right)	48-48	
R01-4	(54,2,47)	(recentual (Right)	100	
R01-5	(57,-22,11)	Tempoual superion (Right)		

PCC values b/10 pairs of ROI's in matein four for letter understander

fusi form(h)					
hippocampus (R)	0.85				
pucantual (R)	0.71	0.63			
tempouel-out-(h)	0.66	೦・೮	0.82		
temporal out CR).	0.68	٥65	0.89	0.98	
	fusiform (c.	mplacoupin	but central	tempenal	(A) 1 (L)

undirected neighted network

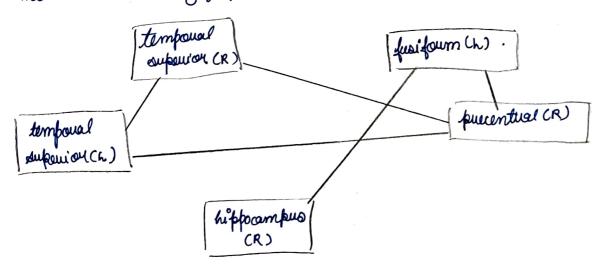


3-8 Two busin areas that have highest sonnectivity during the auditory f-MPI.

ave: - temporal superior (Right)

- tempouse autenion (deft).

3.9 Convension to lunary graph with edge thurshold of 0.7.



graph Knowstical analysis of lunary graph.

(a) dusting coefficient fou all the 5 luain acros.

(i) temporal superion (R)

$$C = \frac{1}{2C_{\lambda}} \ge 1.$$

cui) temporal superior (h)

(iii) Bu centual (R).

(iv) fueifour (h).

(v) hippocampus (R)

(b) quansihinity = 3x no. of 0'5.

$$= \frac{3x}{3x+1} = \frac{3}{4} = 0.75$$

(C) Chanacteristic Path length of geraph (binary). (CPh)

.. Chauacteuistic path length of the guaph is 1.7.