# Brain KDD - Connectivity vs Edge Weight Filtering


Network Statistics at varying Edge-Weight Thresholds

Screenshot	Edges Shown (number)	Edges Shown (%)	Edge Weight Threshold	Weakly Connected Components
1	18625	100	0	1
	14236	76.43	0.03797	1
	9492	50.96	0.04565	1
2	5711	30.66	0.05589	1
3	1873	10.06	0.08852	2
4	928	4.98	0.12212	45
	599	3.22	0.14388	130
	418	2.24	0.16339	249
	238	1.28	0.18867	405
	90	0.45	0.22322	548
5	0	0	0.3352632	638
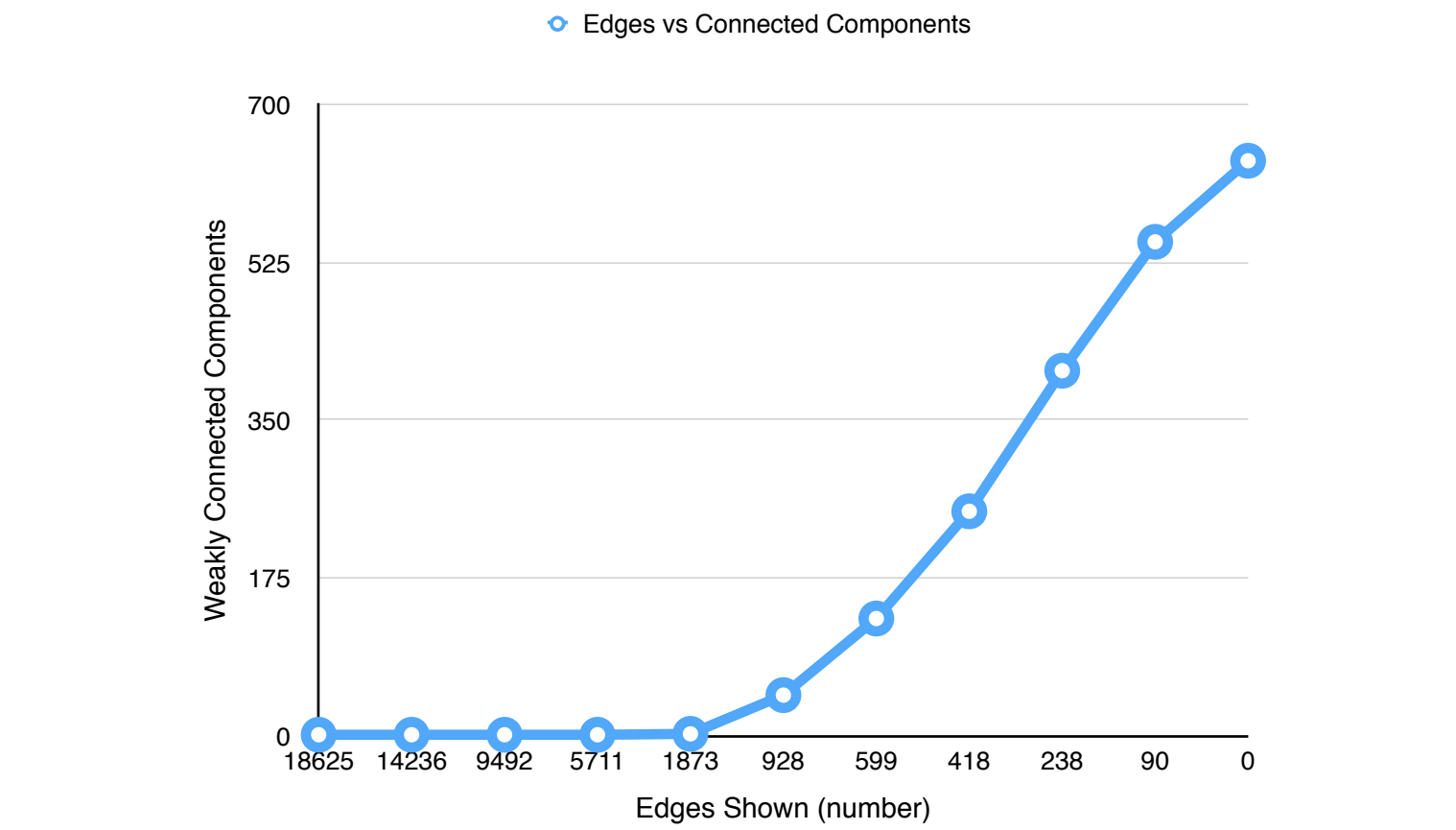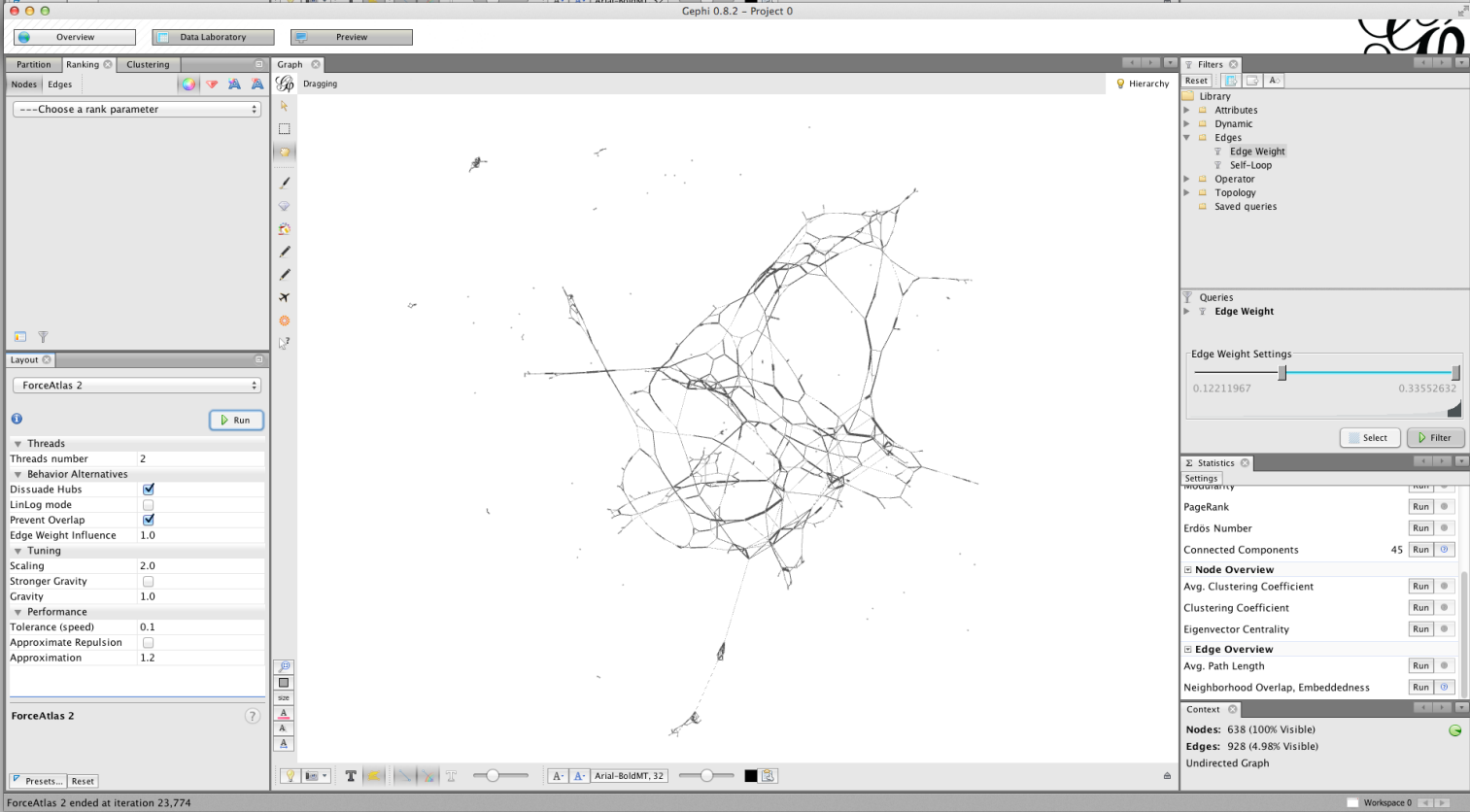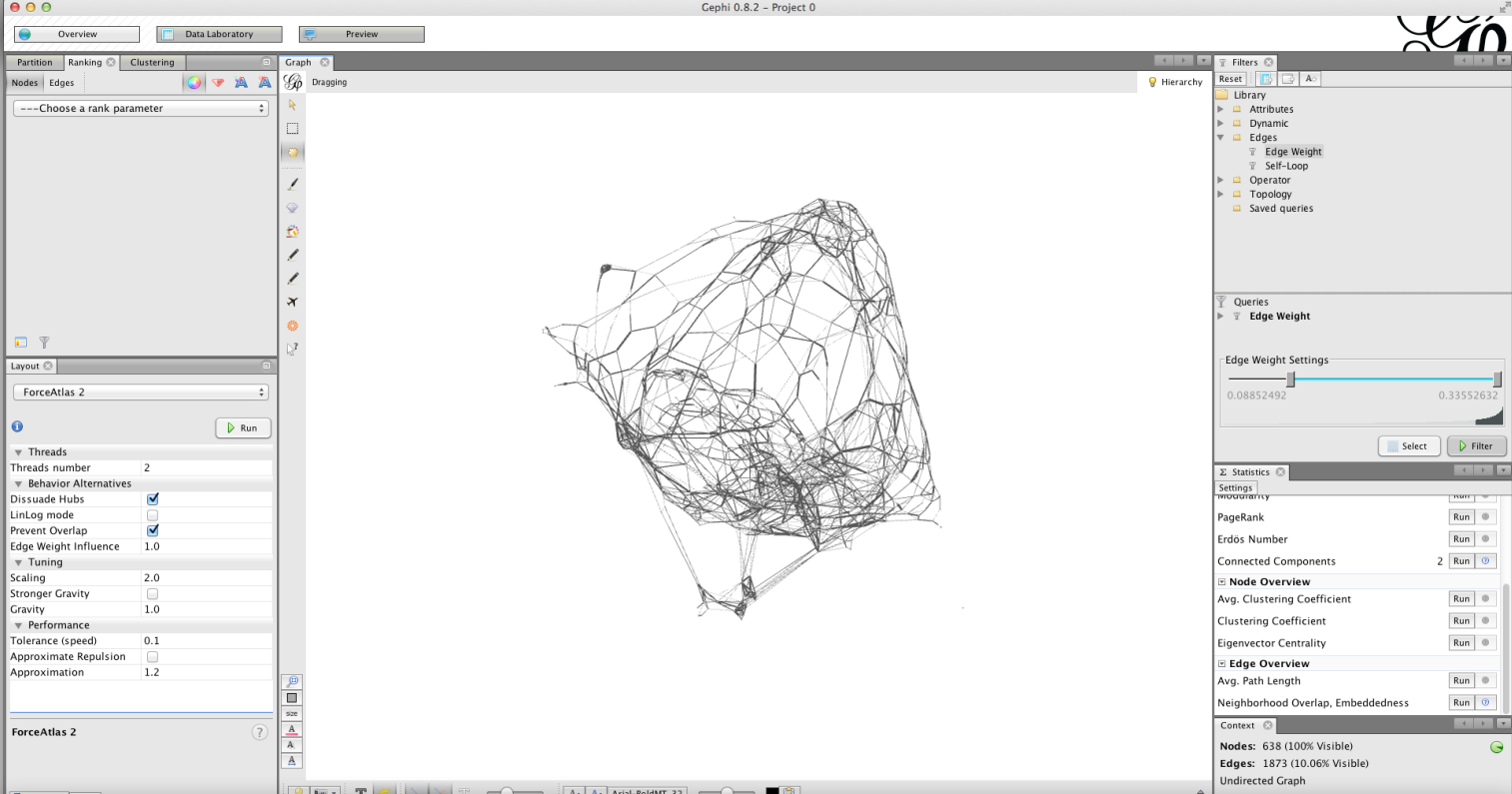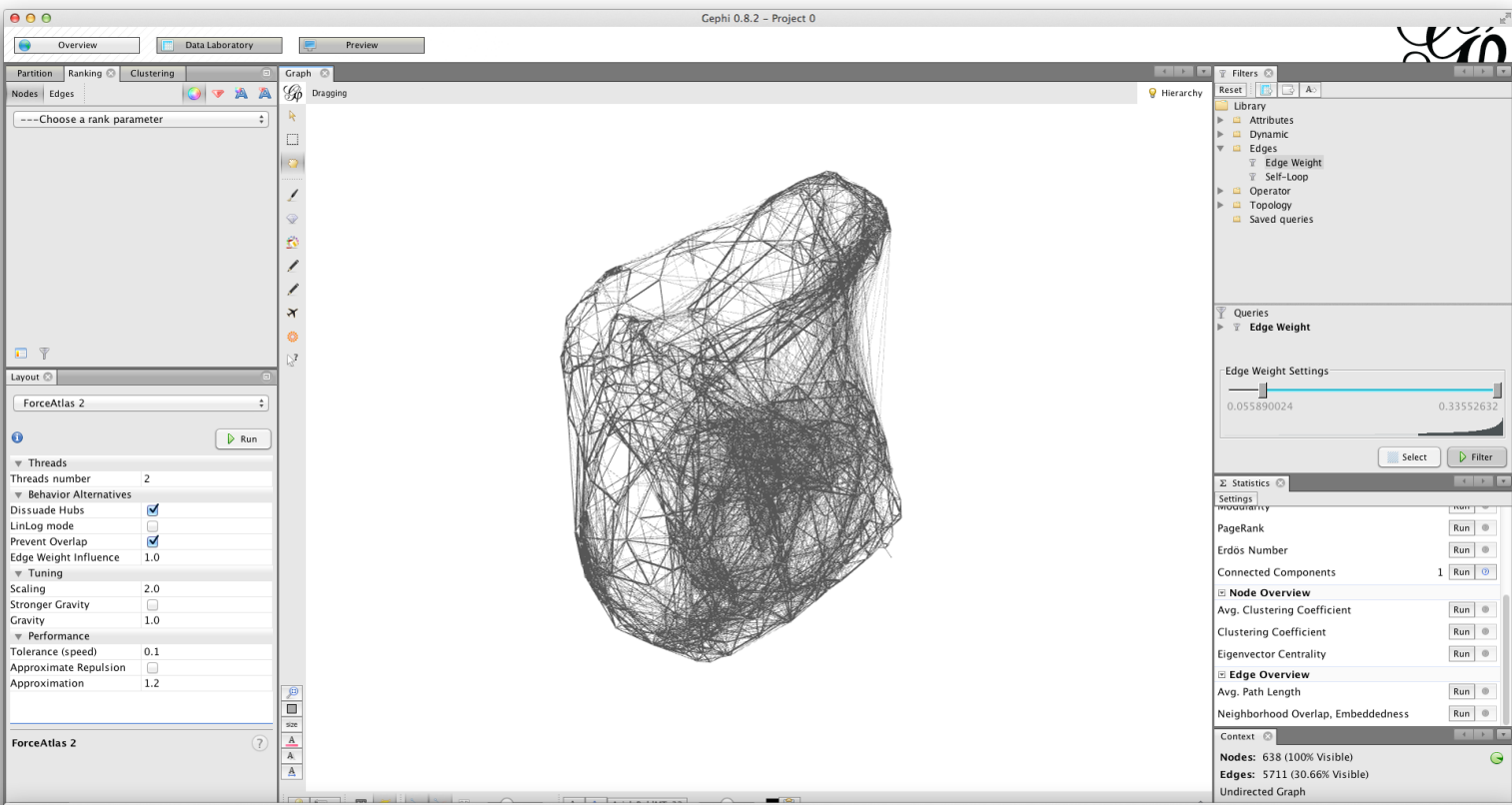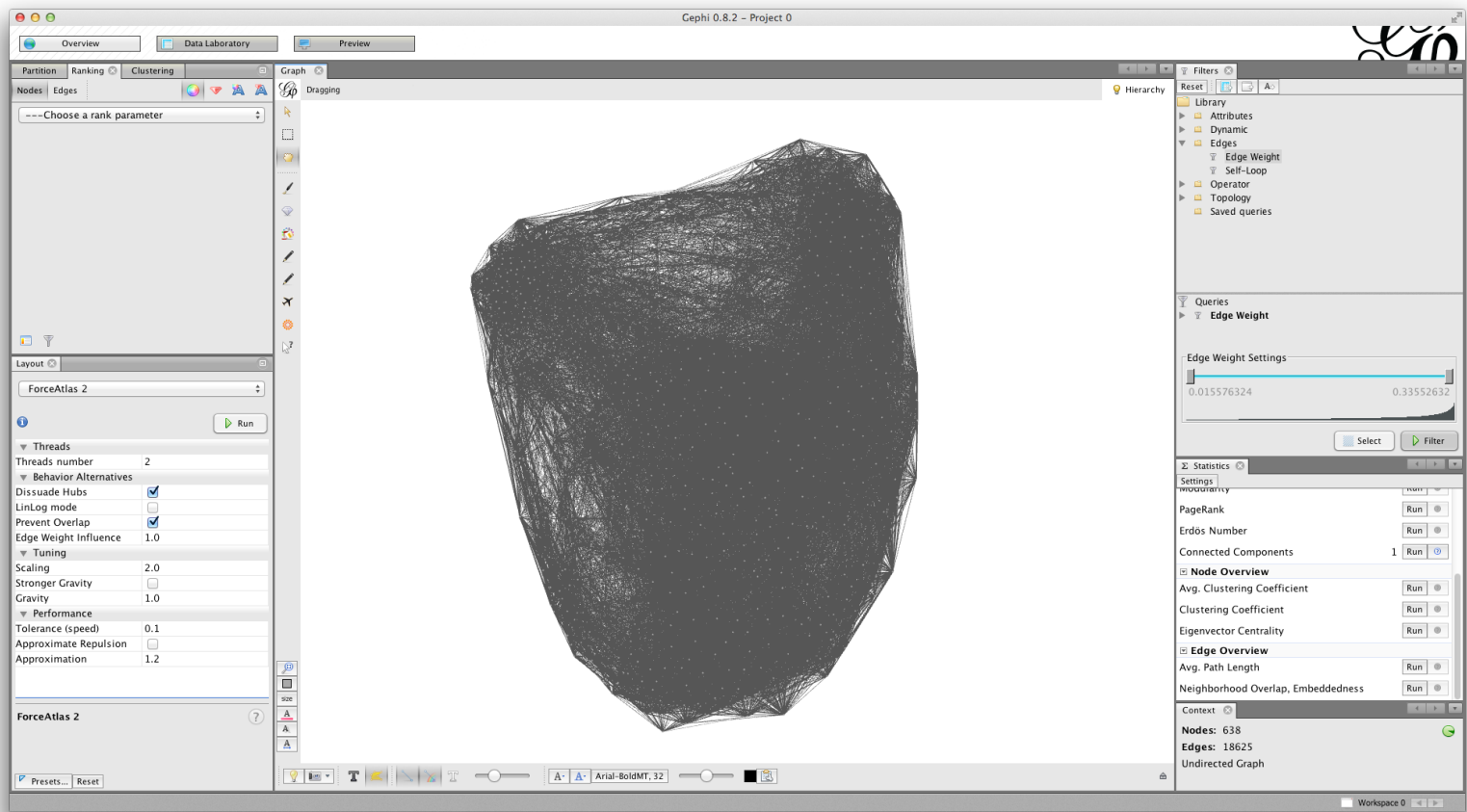
The number of connected components quickly begins increasing once the 90% of the weakest edges are filtered out from the original 18625 edges in the co-activation matrix.

Screenshot Layout