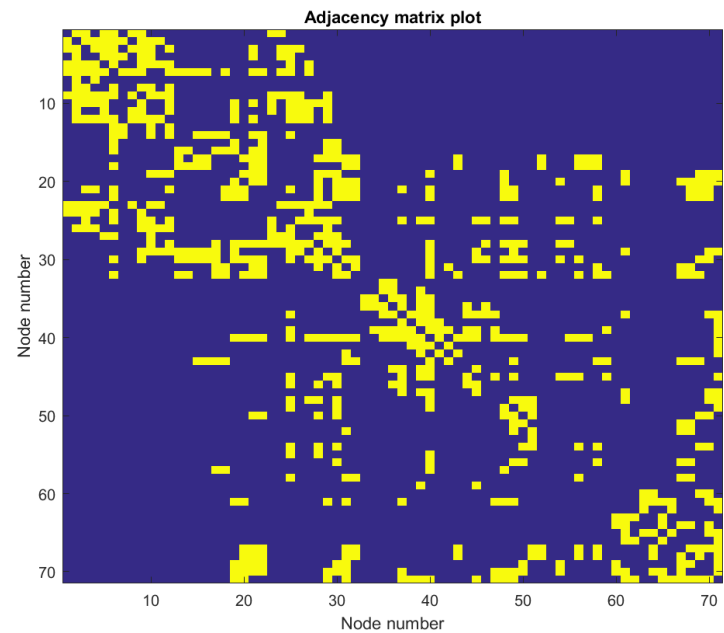


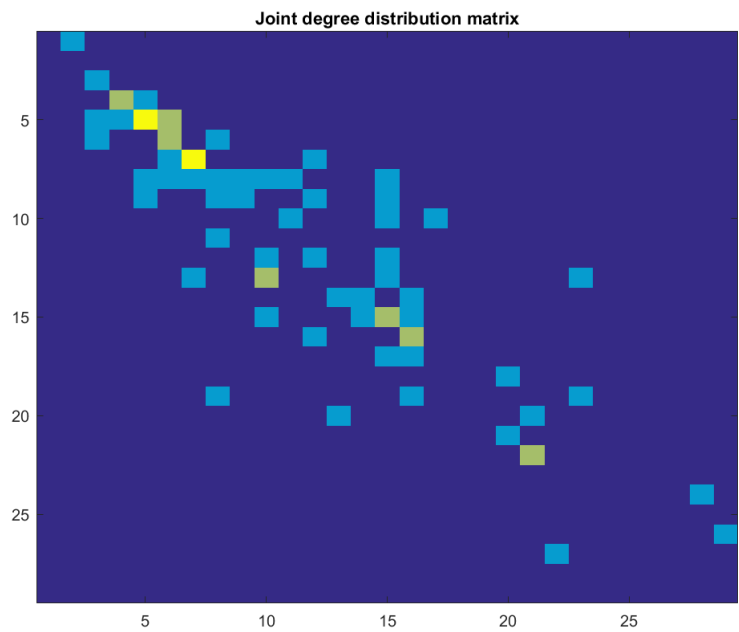
Assignment2: NBEHBC (Amit K Jaiswal)

Part 1: Example data (71x71)

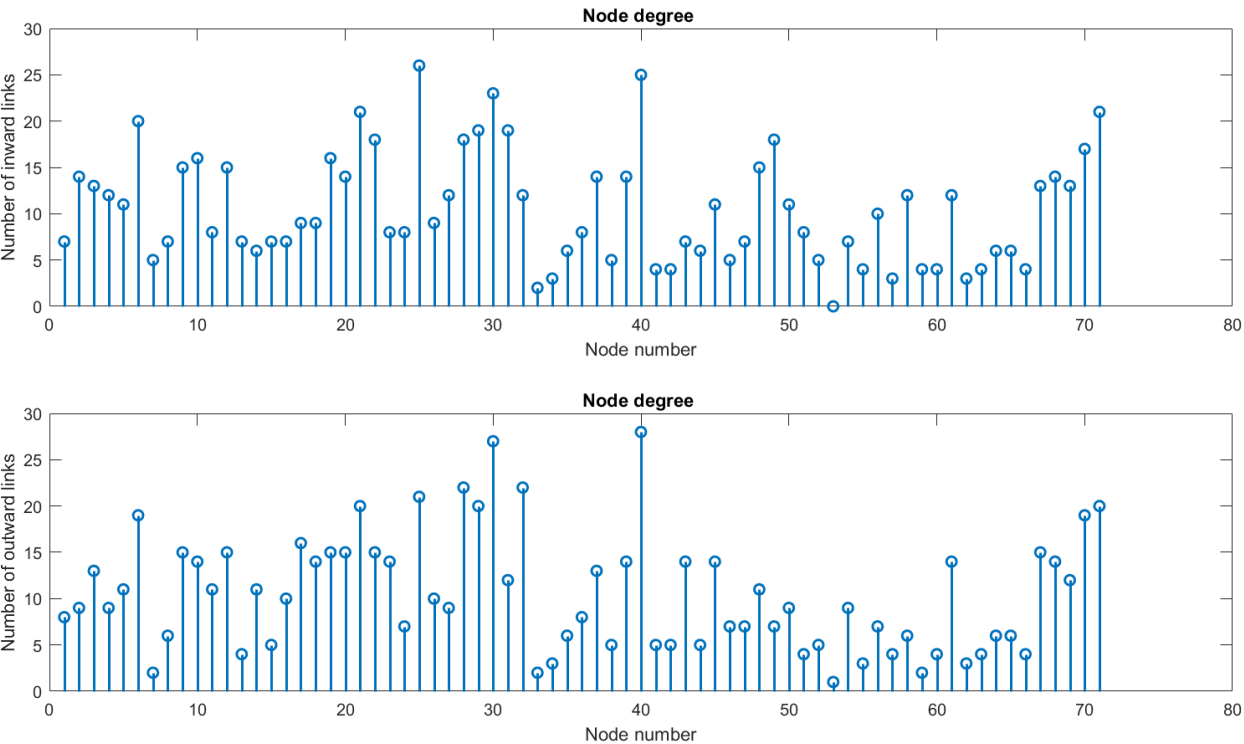
1. Adjacency matrix



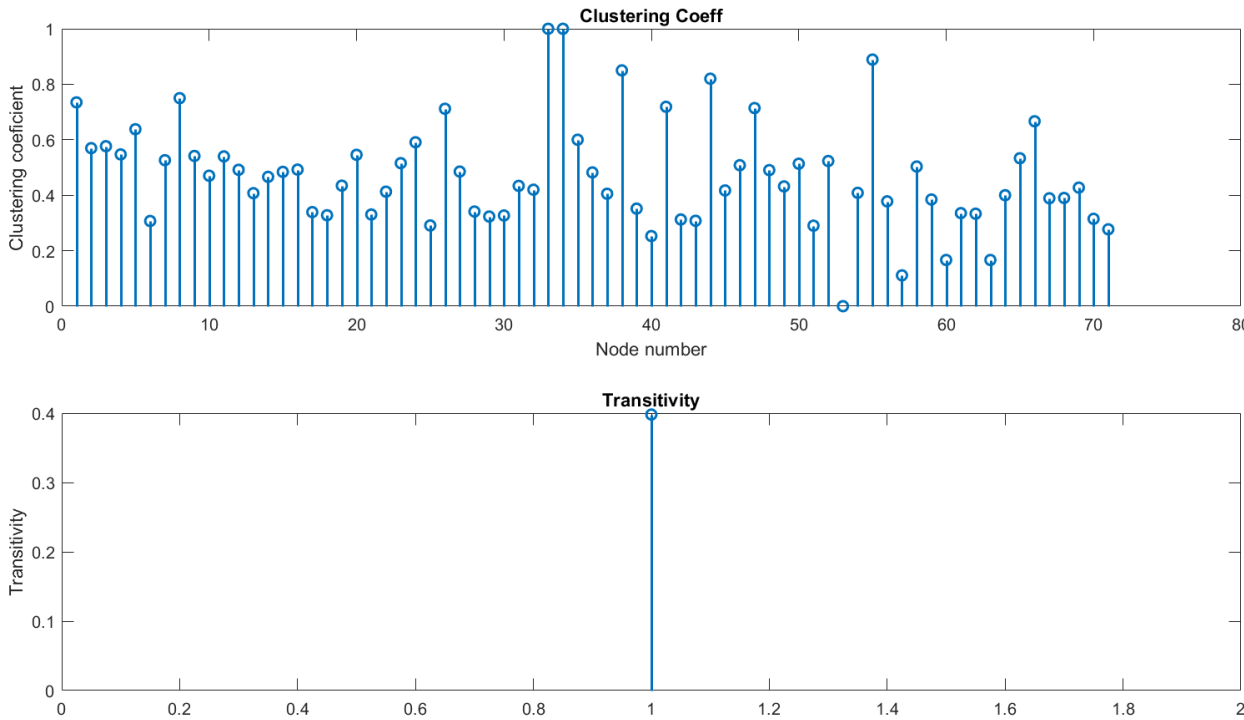
2. Joint degree distribution matrix



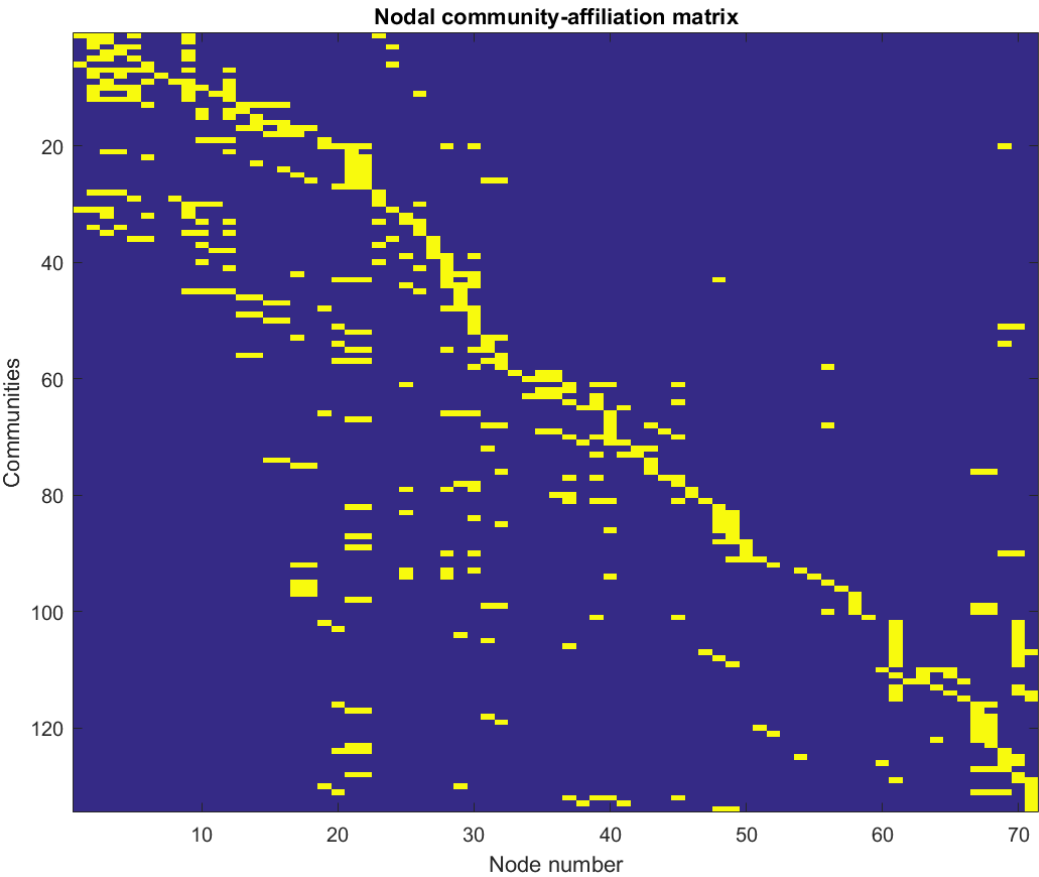
3. Nodal degree



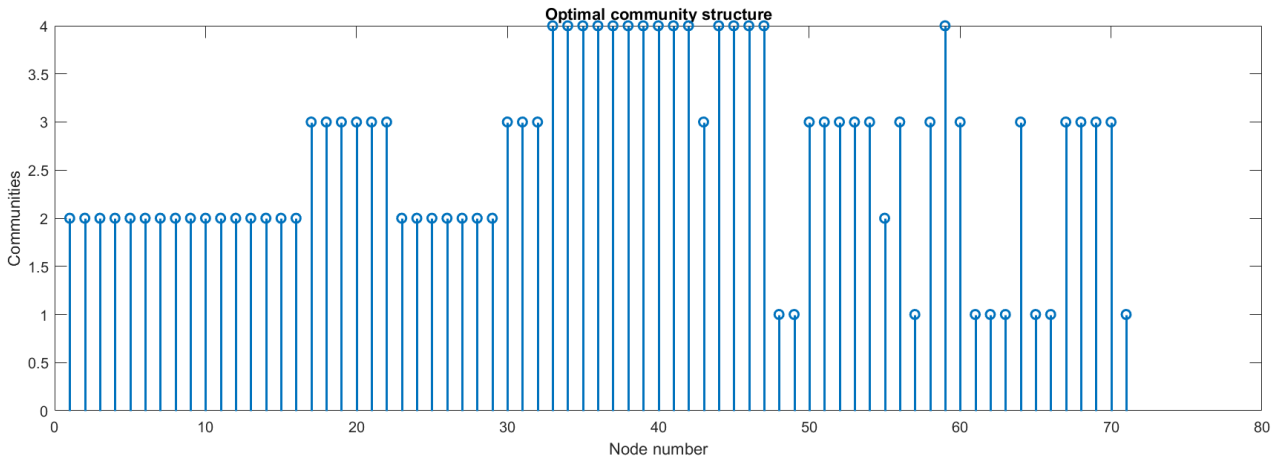
4. Clustering coefficient and Transitivity



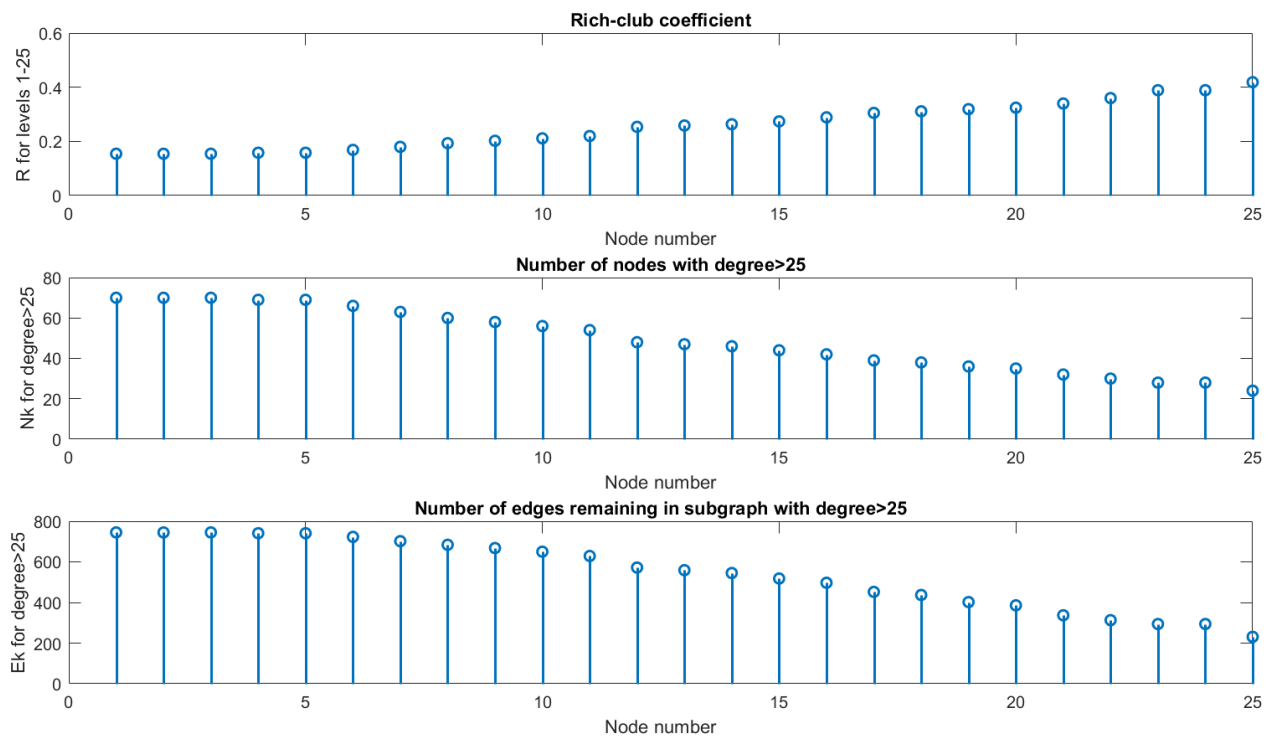
5. Nodal community-affiliation matrix



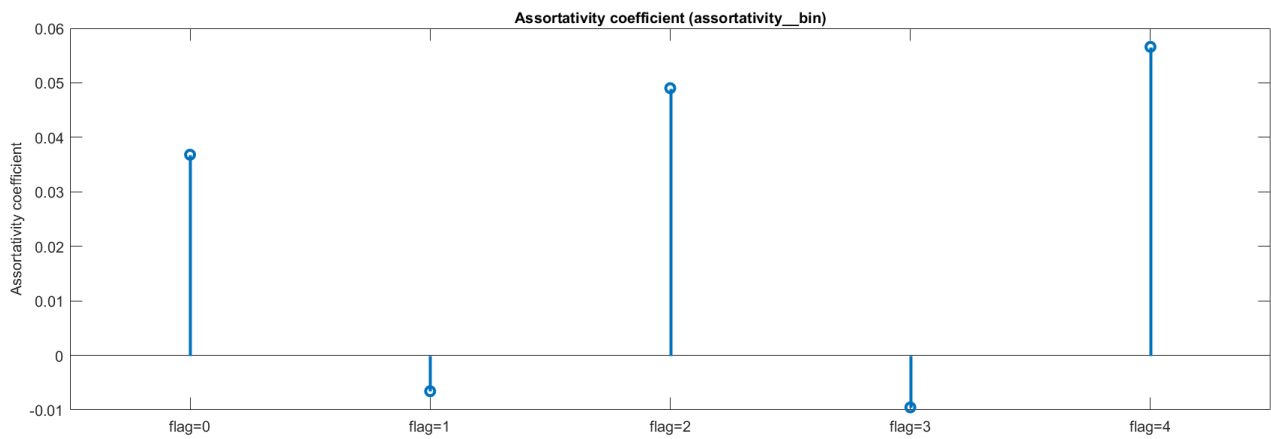
6. Modularity



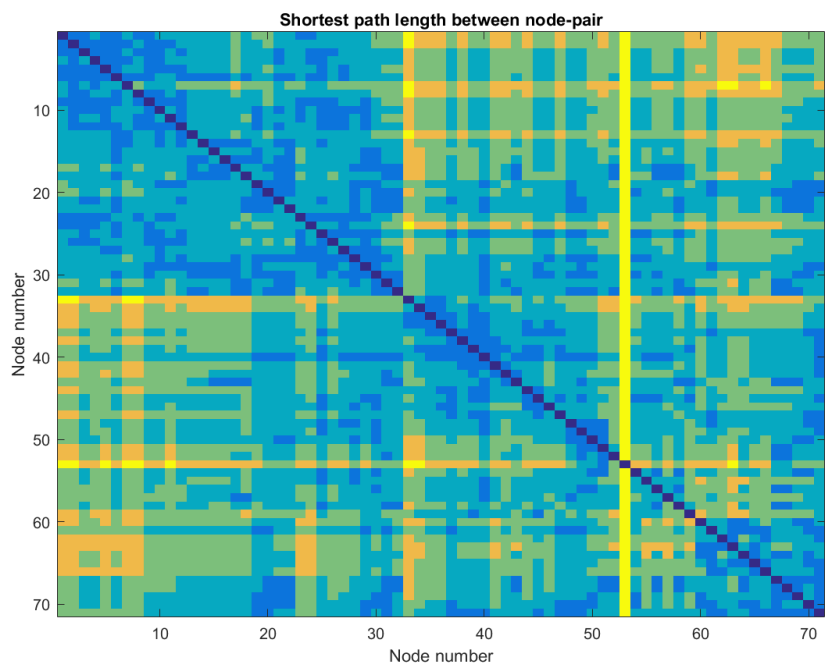
7. Rich club coefficients



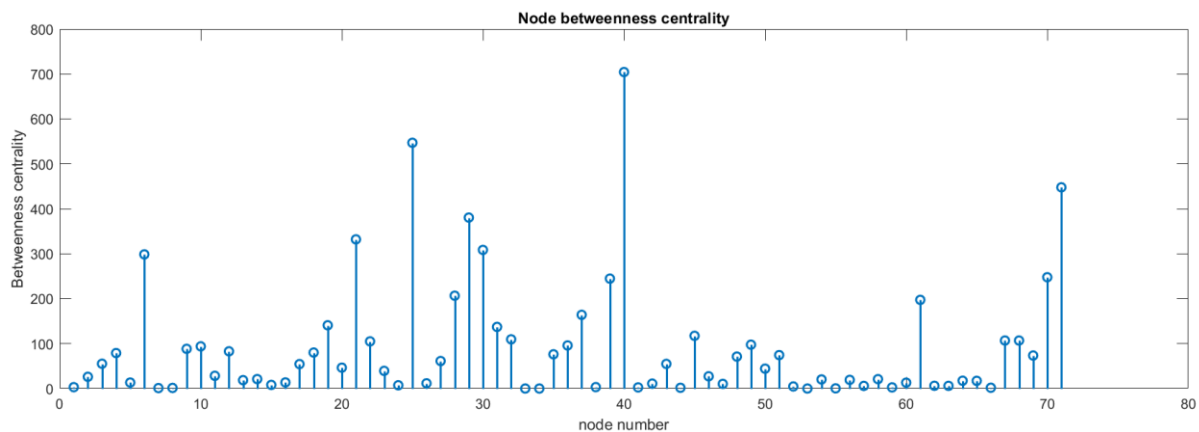
8. Assortativity coefficient



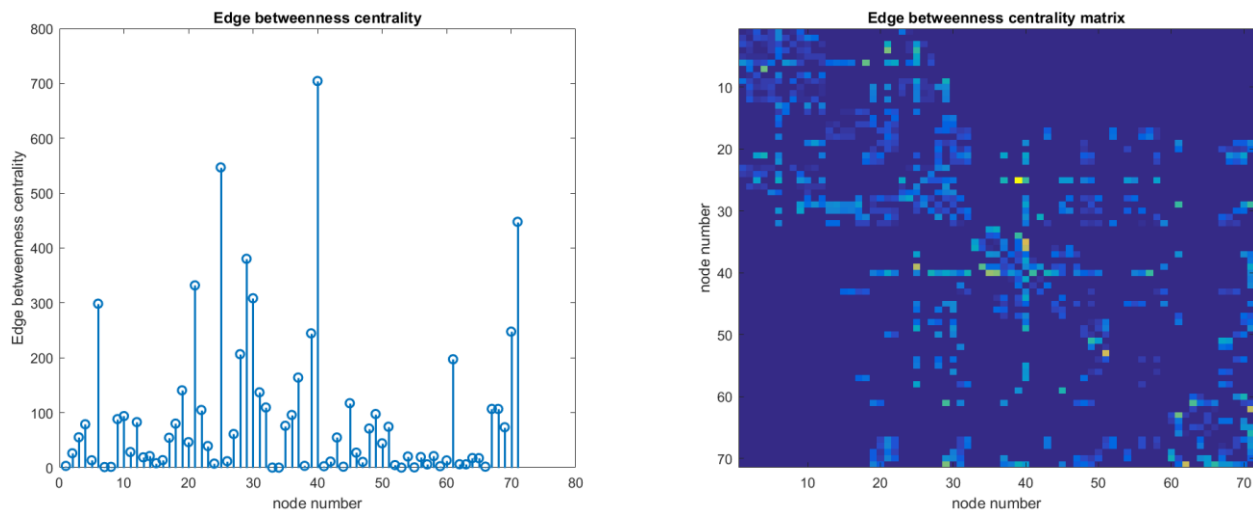
9. Distance matrix for shortest distance between nodes (Shortest path)



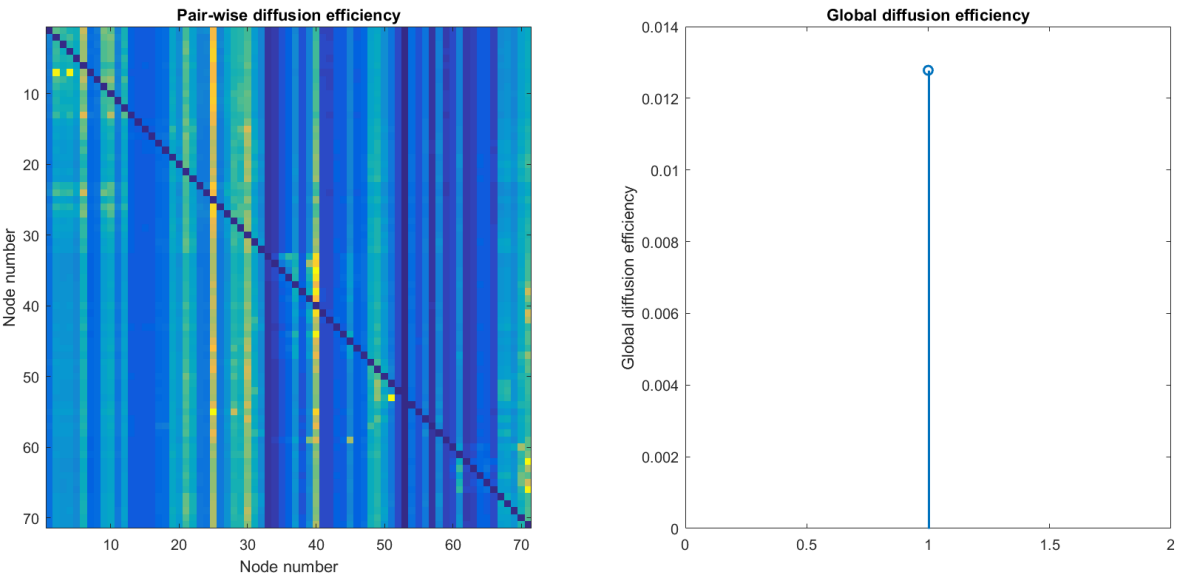
10. Node betweenness centrality



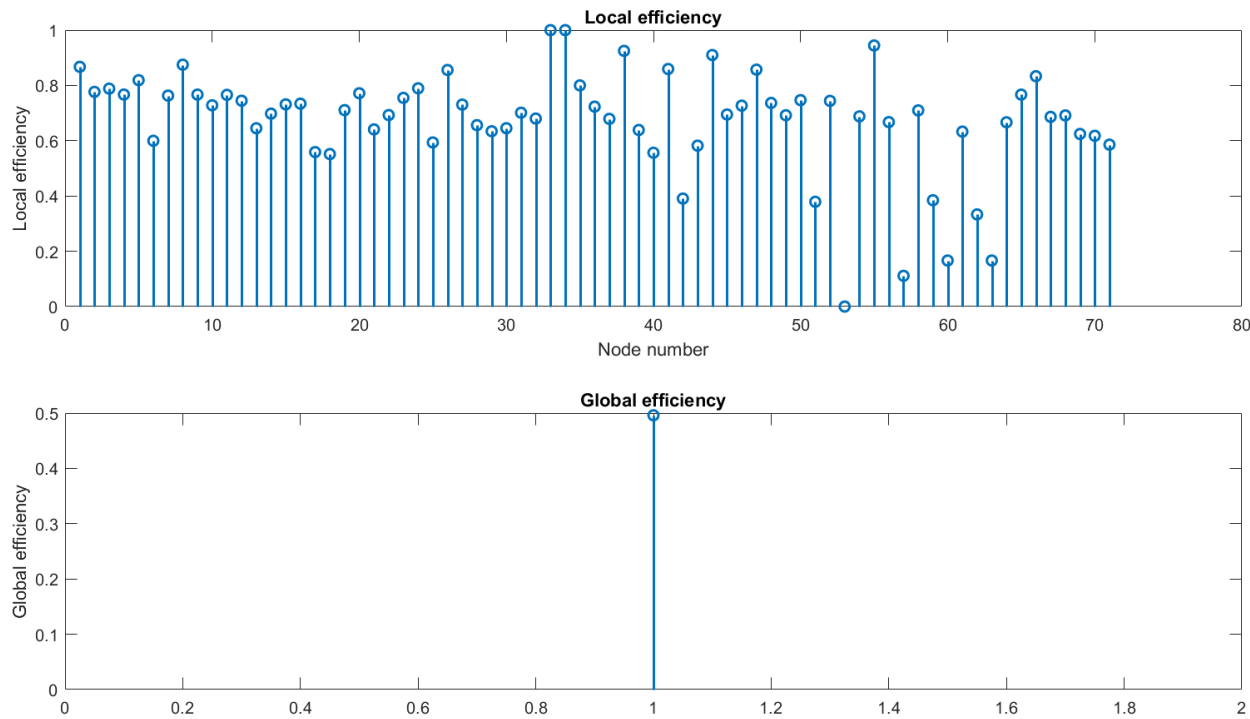
11. Edge betweenness centrality



12. Diffusion efficiency

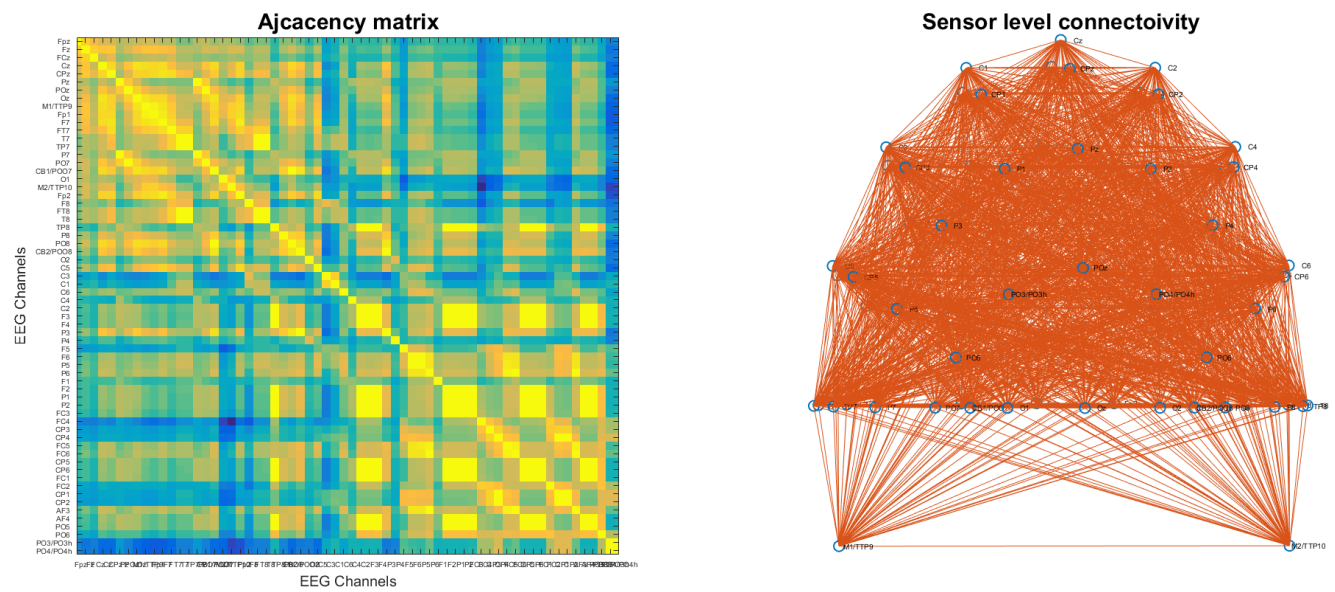


13. Efficiency

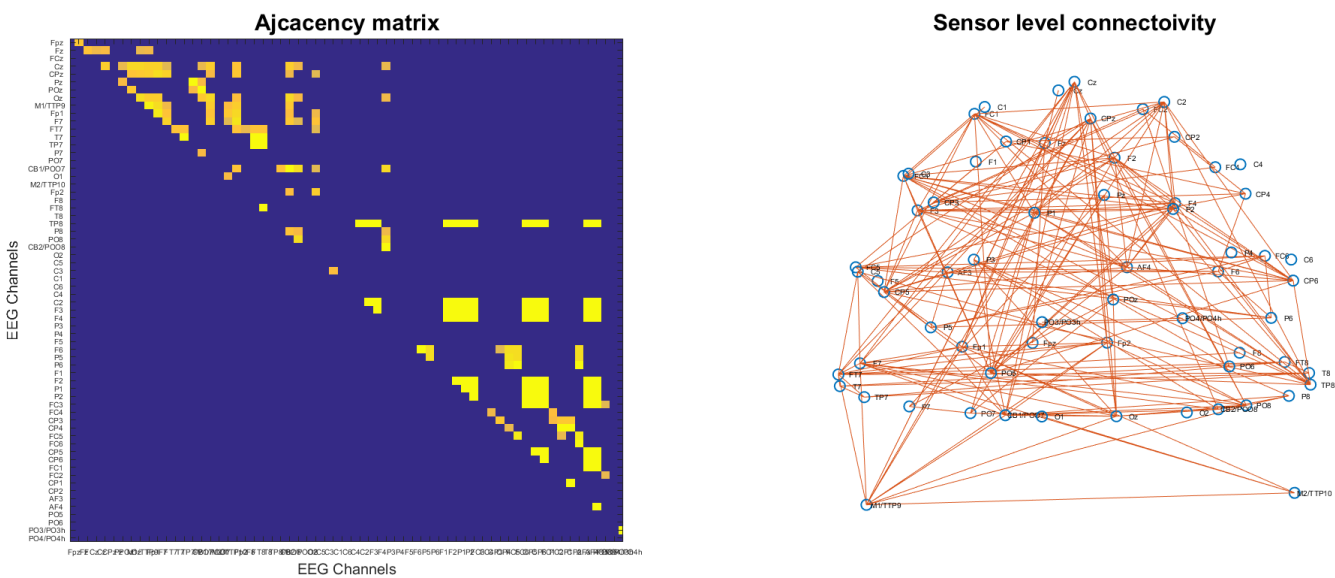


Part 2: Own data (EEG) (64x64)

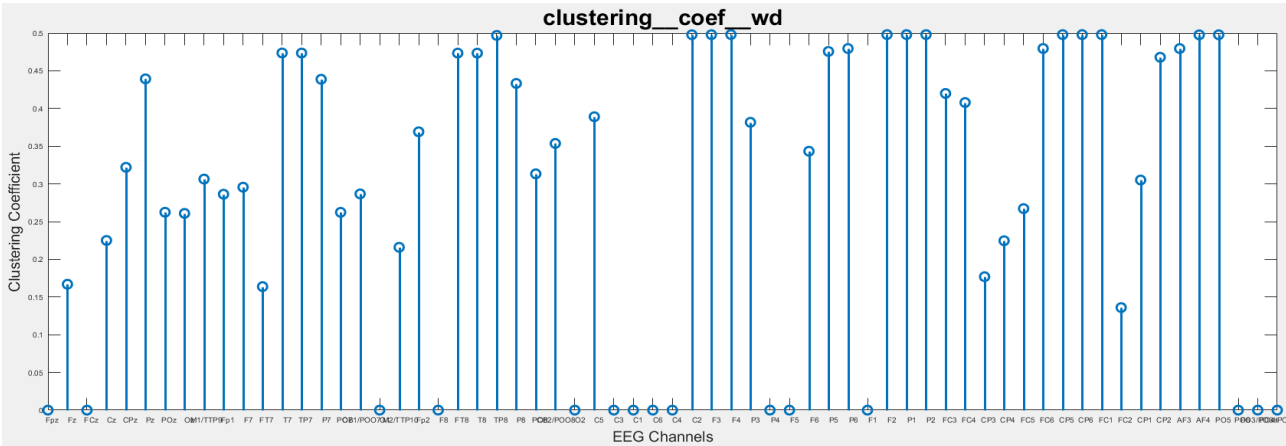
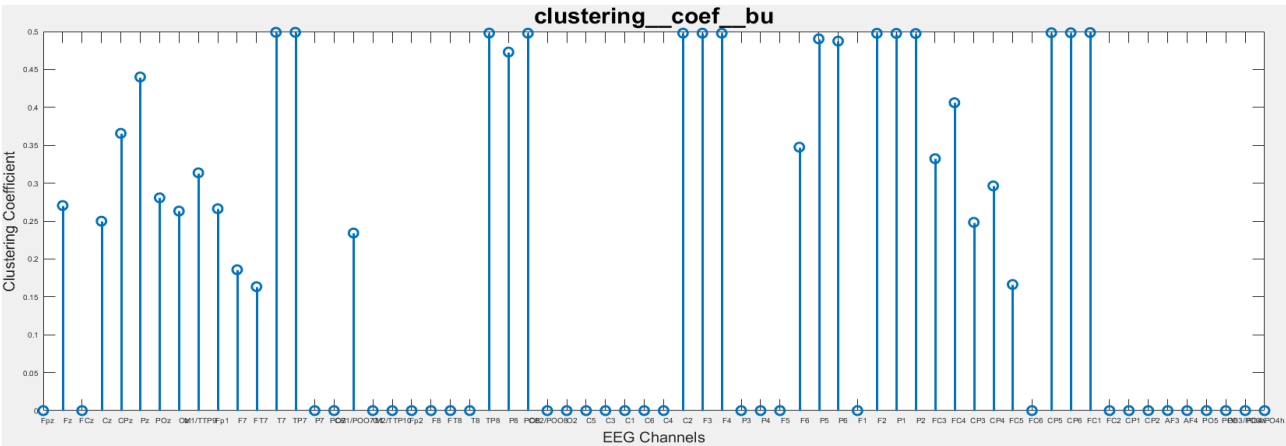
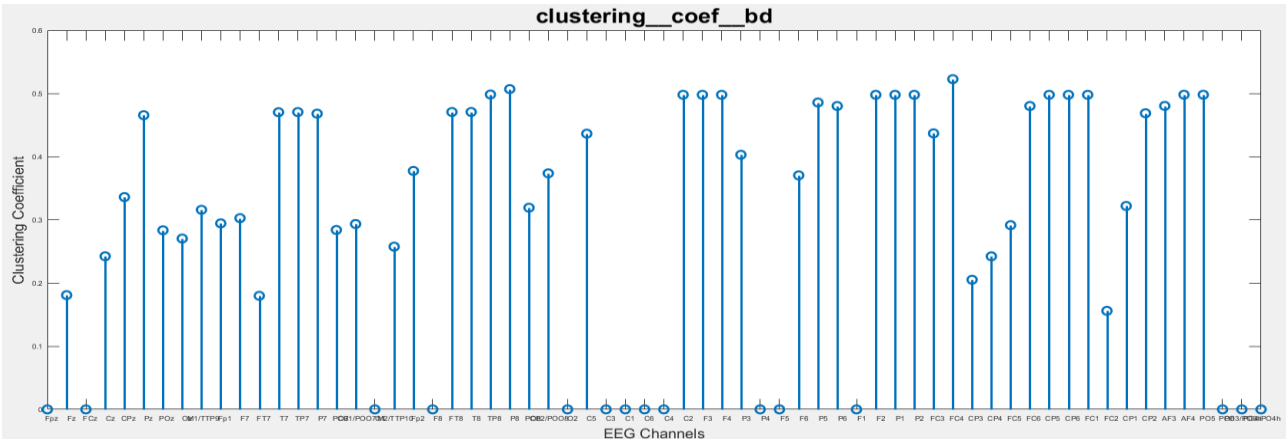
1. Adjacency matrix and connectivity plot

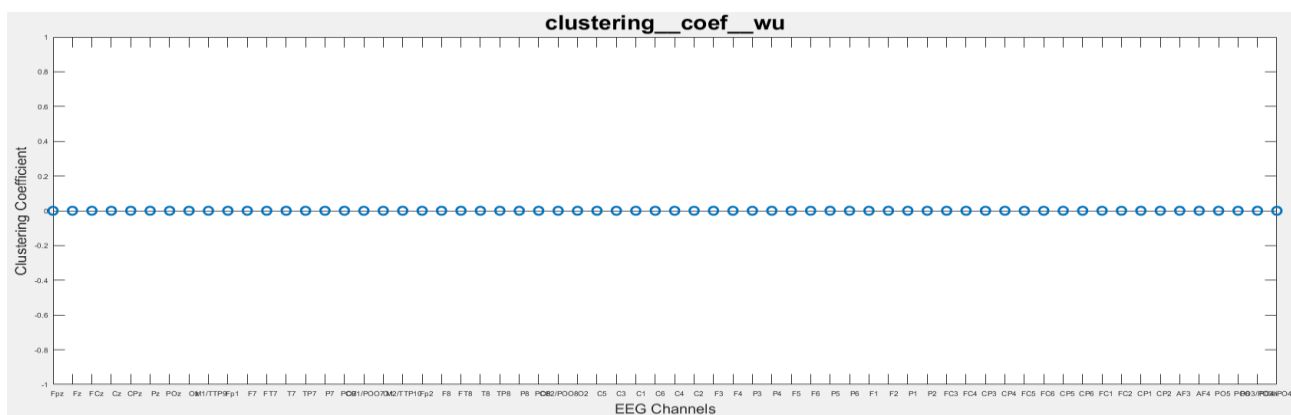


2. Adjacency matrix and connectivity plot (with significant connections only)

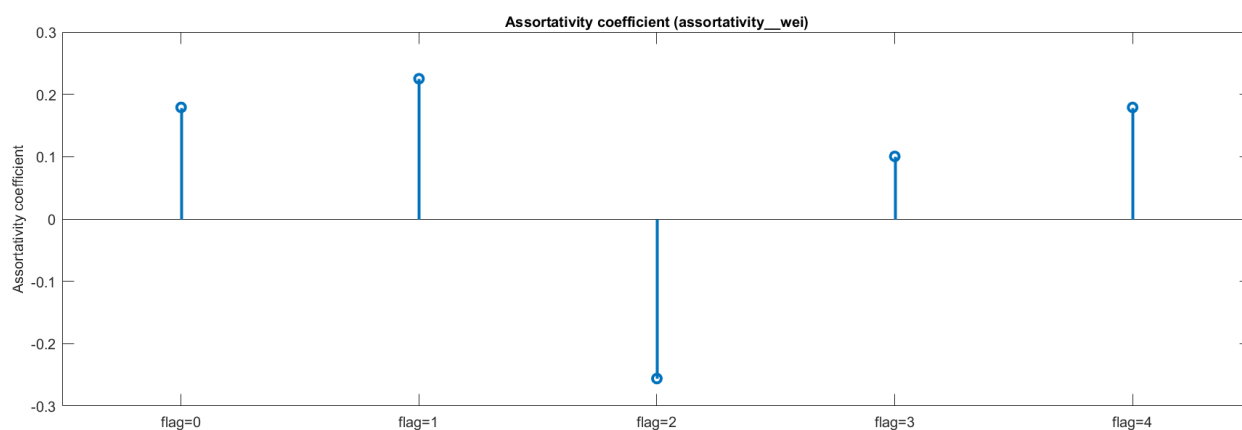
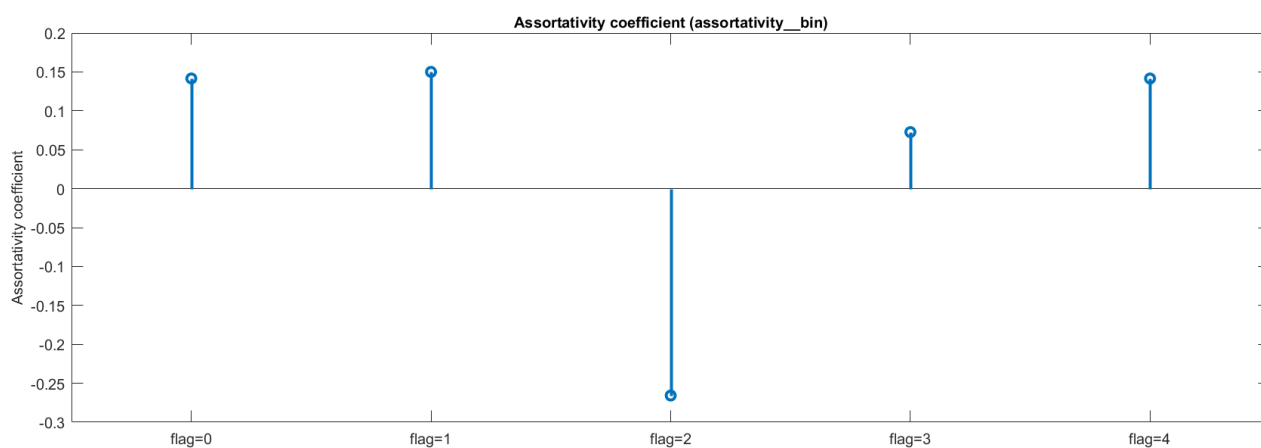


3. Clustering Coefficient

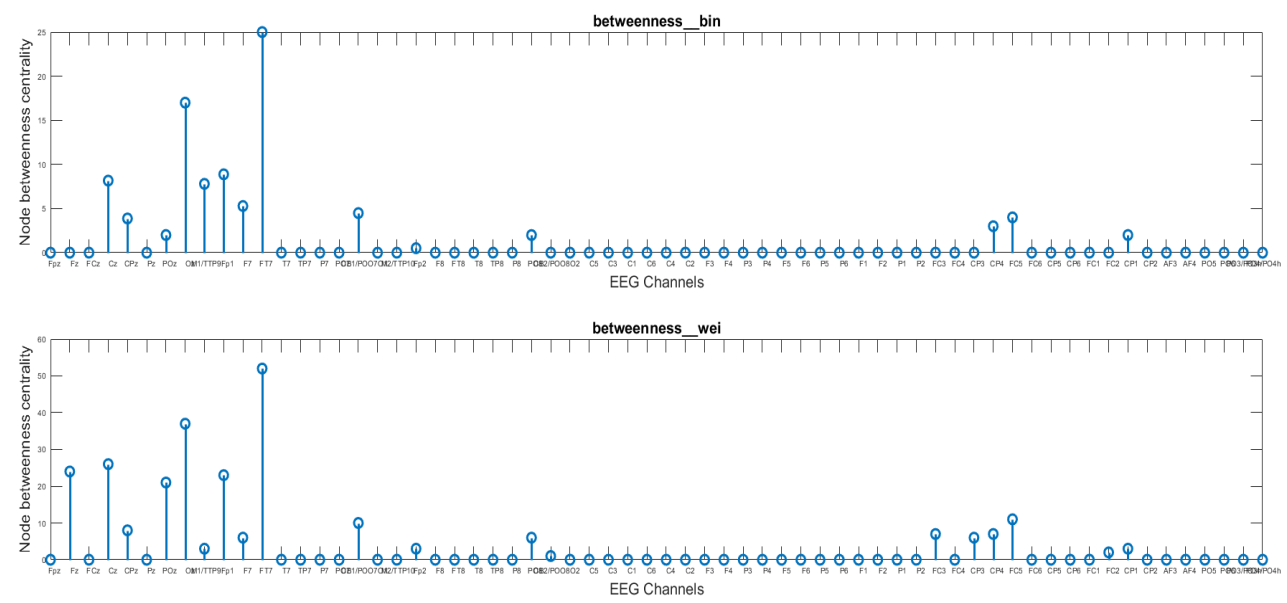




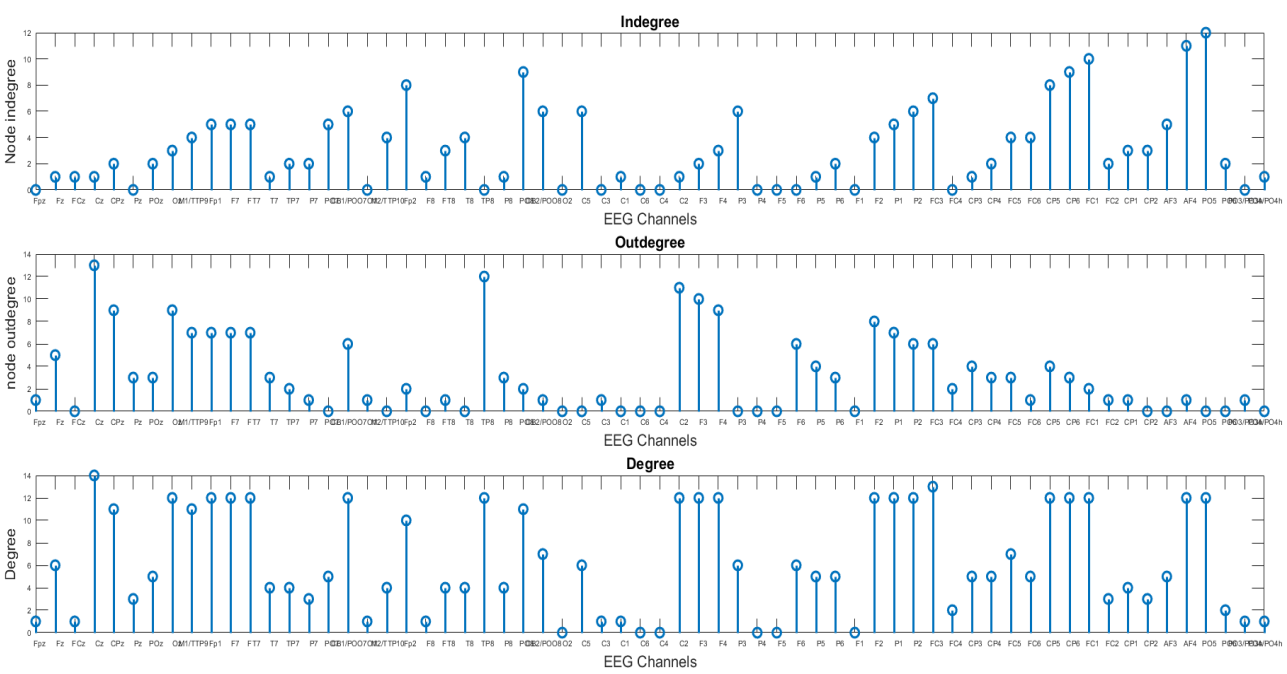
4. Assortativity coefficient

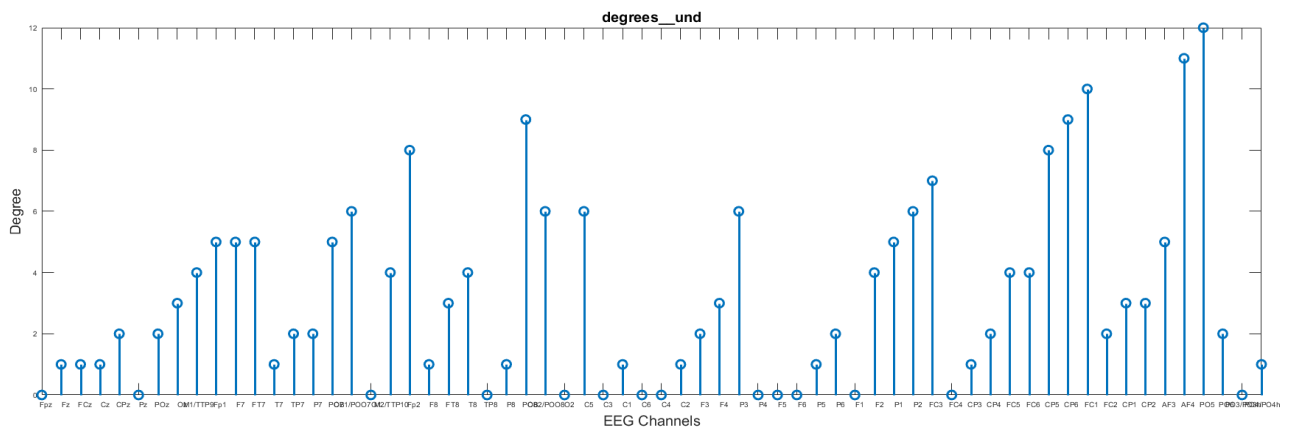


5. Betweenness Centrality

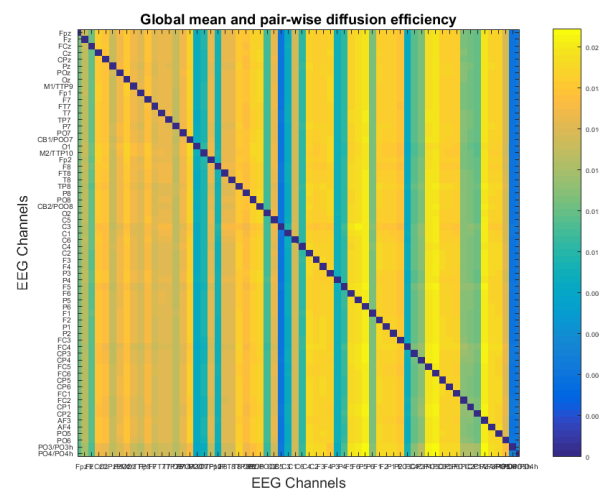
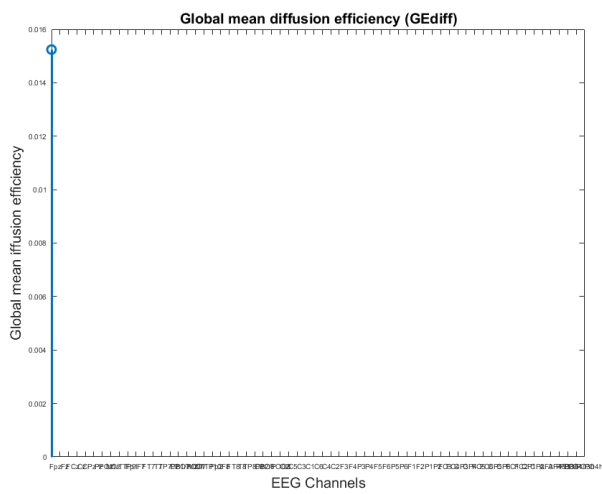


6. Node degree

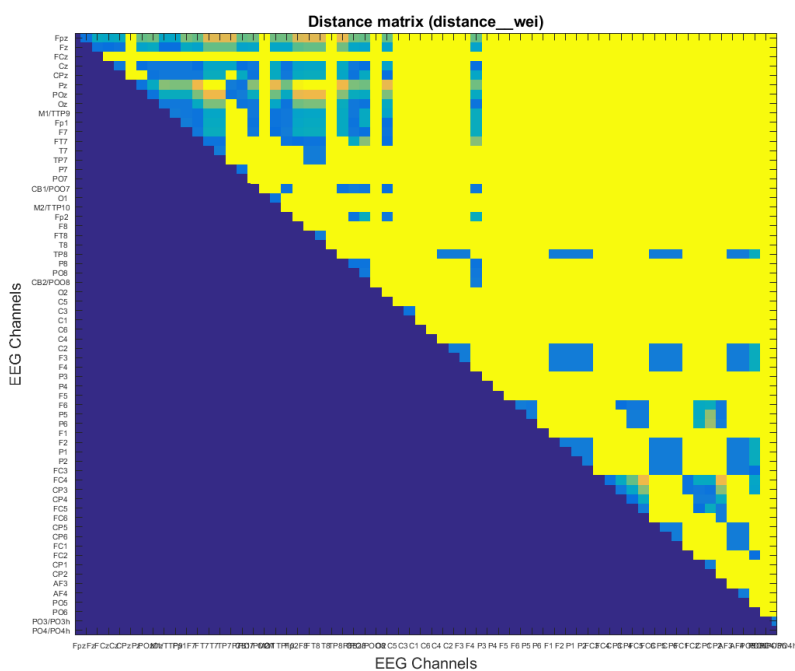




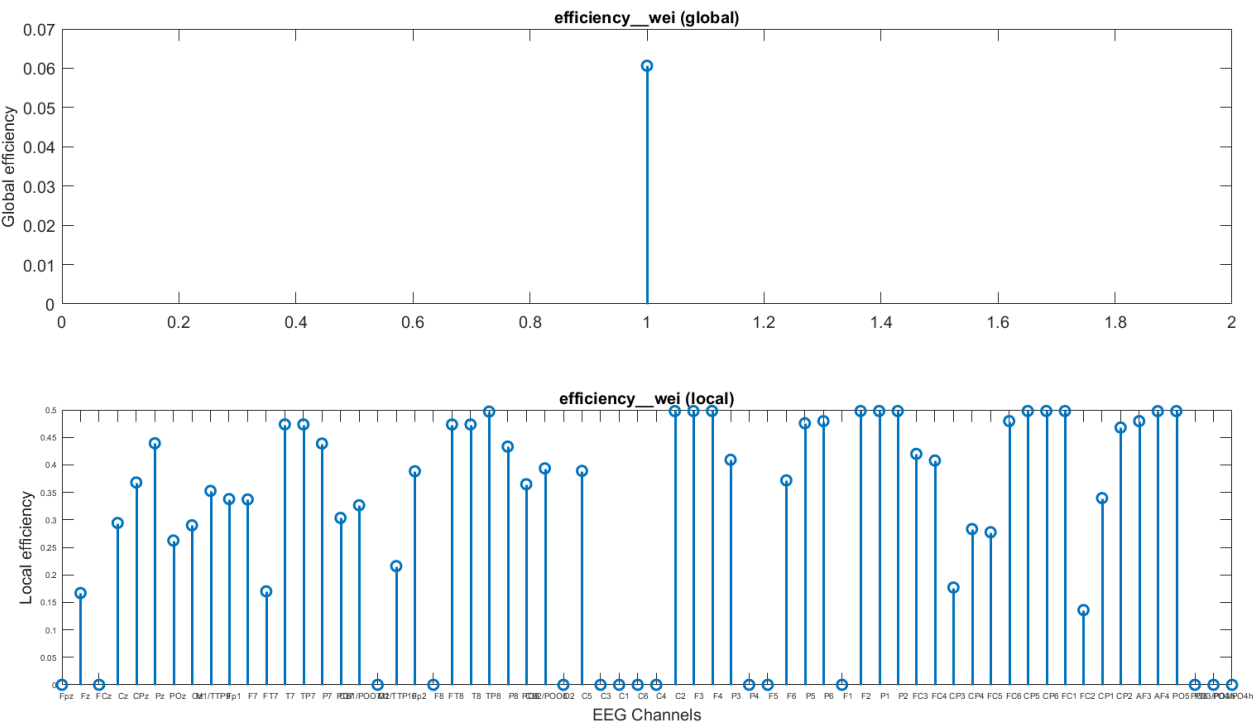
7. Diffusion efficiency



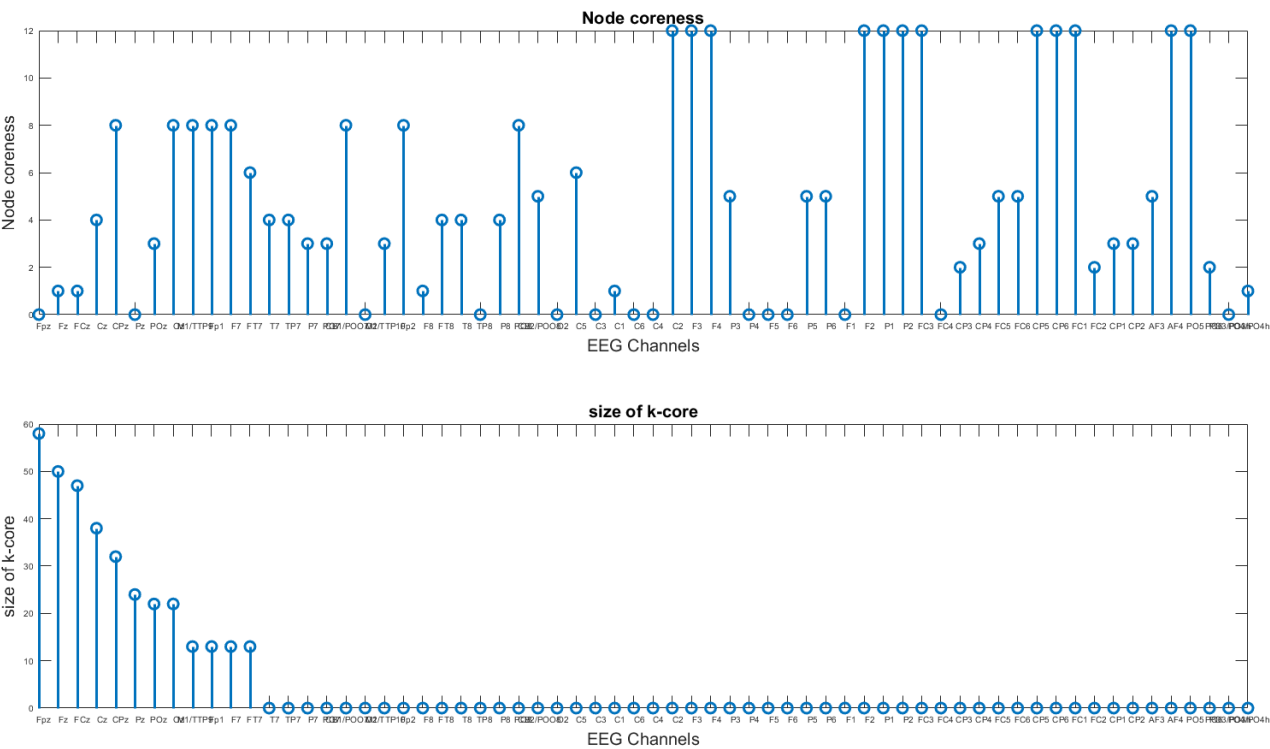
8. Distance matrix



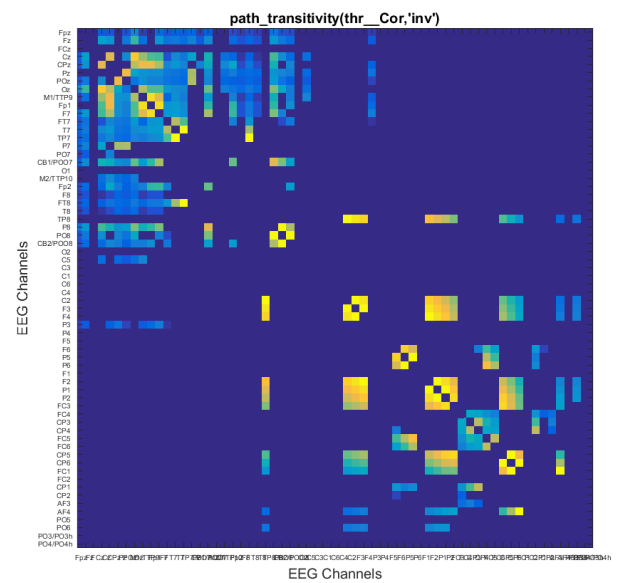
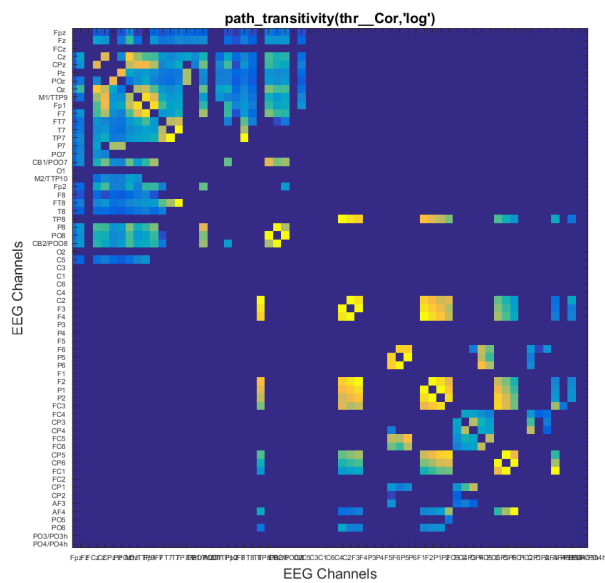
9. Global and local efficiency



10. k-coreness



11. Path transitivity



12. Reachability and corresponding distance

