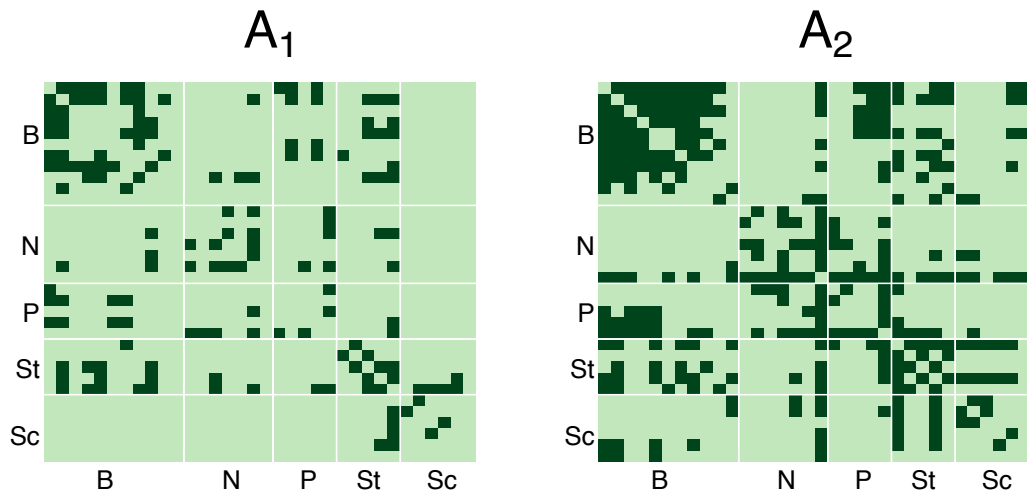


**Figure 9:** You can tell that collaboration within the same type is strongest among the Business group while scientist relatively collaborates less with any others, and generally organizations co-work more actively between different types but still their collaboration network is highly dependent on their organization types.



(a) Adjacency matrix of the first period (b) Adjacency matrix of the second period

**Figure 10:** In general we have a denser adjacency matrix in the second period. Business organizations (B) are, except the last node, more likely to interact within their group, which becomes clearer in the second period. On the other hand, NGO (N), Party (P), and State (St) are relatively randomly collaborating within and between groups while Science (Sc) group exhibits very few edges so that their edge distribution just concentrates on two groups in the first period.