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SOCIAL COMPUTING – P1 HYPOTHESIS 3 RESULTS

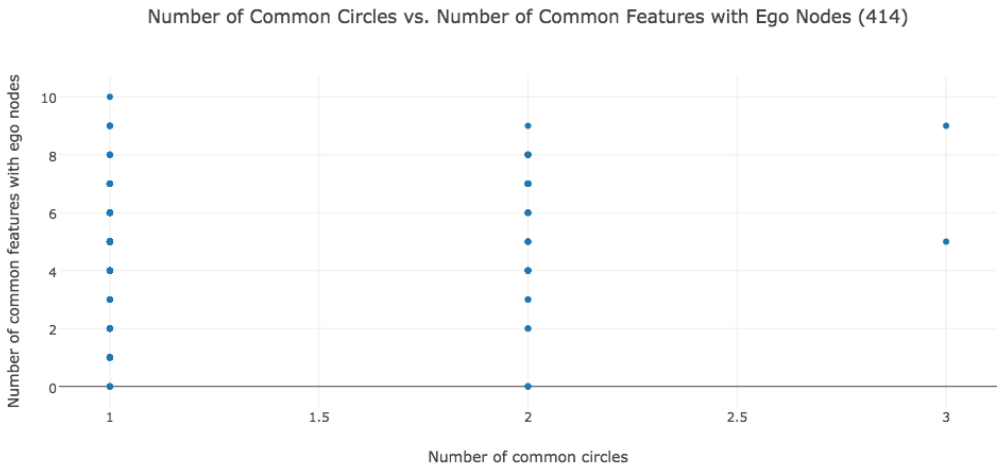

Fig 1 – Graph for Ego Node 414

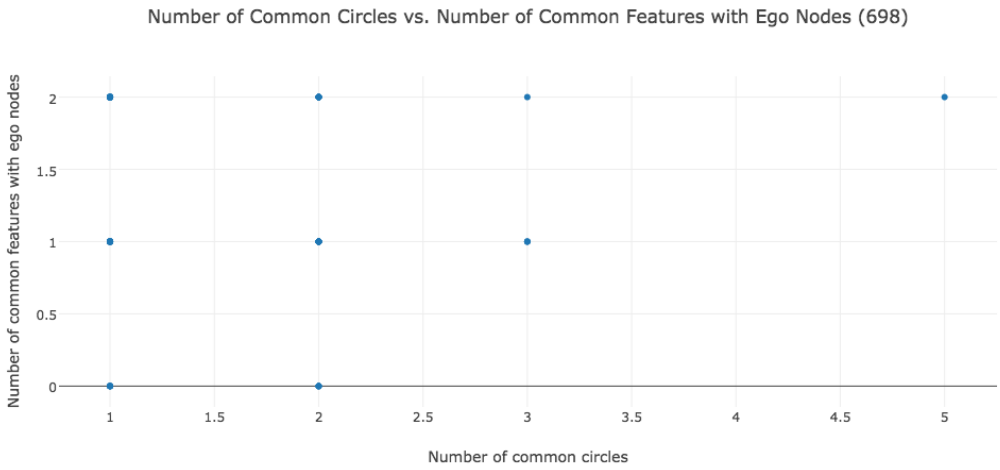

Fig 2 – Graph for Ego Node 698

Hypothesis - In a network, nodes with more common circles have more common features as compared to nodes with less common circles

As it can be seen in the graph from Fig 1. the given hypothesis is true for some cases. However, it is not always the case. So no clear conclusion can be obtained.

When the number of common circles increases, the number of common features also increases. Consider the number of common circles to be 3. It can be seen that the number of common features is either 9 or 5. When the number of common circles is 1, the number of common features has a wide range of values, notably from 0 to 10. This shows that if the number of circles is higher, the chances of the number of common features to be higher are more likely. Hence, no clear conclusion can be drawn for this hypothesis.