**SOCIAL NETWORK ANALYSIS**

**IDENTIFICATION OF INFLUENTIAL NODES**

**DATASET : SBCN-HDP**

**K normalization [ for k=1000, 1250, 1500, 1750, 1950, 2250]**

The top k ranked nodes are found and they are normalized separately. They are again ranked based on the new values and ordered as done previously.

|  |  |  |
| --- | --- | --- |
| **K value** | **Top k nodes count** | **Top k nodes with order** |
| 1000 | 1 | [204054] |
| 1250 | 3 | [204054, 204004, 7018] |
| 1500 | 5 | [204054, 204004, 202109, 110028, 7018] |
| 1750 | 12 | [9905111, 204146, 204054, 204004, 202109, 110108, 110028, 108172, 107177, 106191, 11115, 7018] |
| 1950 | 28 | [9905111, 206038, 205089, 204189, 204146, 204144, 204054, 204004, 203134, 203101, 203018, 202179, 202109, 201253, 112045, 111093, 110108, 110028, 108172, 107177, 106191, 12210, 11115, 8241, 7170, 7018, 5067, 3136] |
| 2200 | 35 | [9907086, 9905111, 206038, 205101, 205089, 204189, 204146, 204144, 204054, 204004, 203134, 203101, 203018, 202179, 202109, 201253, 112045, 111093, 110108, 110050, 110028, 108172, 107177, 106191, 12210, 11115, 8241, 8074, 7170, 7018, 6023, 5127, 5067, 3136, 3025] |