

## SOCIAL NETWORK ANALYSIS

### IDENTIFICATION OF INFLUENTIAL NODES

#### DATASET : SBCN-CITATION

**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.

<b>K value</b>	<b>Top k nodes count</b>	<b>Top k nodes with order</b>
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]