Final Report after Analysis of Epinions Graph

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| **Sr.** | **Attributes** | **Total** |
|  | Number of nodes in SCC | 32223 |
|  | Number of OutSet Nodes | 15453 |
|  | Tendrils in OutSet | 1 |
|  | Number of InSet Nodes | 24236 |
|  | Tendrils in InSet | 1 |
|  | Tubes in SCC | 0 |
|  | Number of Disconnected Components | 3967 |
|  | Top 10 ranked nodes ranks in Epinions network when β = 0.8 and ϵ = 0.001 | Ranks:0.0038842600451454165, Ranks:0.0019710715488781027, Ranks:0.0017669107231066032, Ranks:0.0015959300631559514, Ranks:0.0015420553802211502, Ranks:0.0015388688265045994, Ranks:0.0014843097516130574, Ranks:0.0013553040553419358, Ranks:0.0013118604972233666, Ranks:0.0012598715058006048 |
|  | Also state the following for each of the top 10 ranked nodes in the network. Let x be the node:  o Number of incoming edges (indegree of x)  o Ranks of all the source pages having hyperlinks toward x | In Degree: 75872 w.r.t. node: 1 Rank: 4.568677323985117e-05 node : 4,  In Degree: 75872 w.r.t. node: 1, Rank: 4.568677323985117e-05 node: 4, In Degree: 75872 w.r.t. node: 1 Rank: 4.568677323985117e-05 node: 4,  In Degree: 75871 w.r.t. node: 1 Rank: 2.1972642488607573e-05 node: 5 |
|  | What is your answer to probability of path existence when a pair of nodes is selected uniformly at random based on your experiment? | Following is my answer of probability when I selected x = 5:  [0.4, 0.4, 0.55, 0.4875, 0.36875]  [0.4, 0.4, 0.55, 0.4875, 0.36875] |
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