|  |  |  |  |
| --- | --- | --- | --- |
| ER graph,  Continuous time simulation,  n\_list=[50,100,150,200,250,300]  p\_list=[0.04]  target\_infected\_ratio\_list=[0.1,0.2,0.3]  repeat\_num=500 | | | |
|  | pseudo\_leaf | rumor\_centrality | closeness\_centrality |
| Accuracy (Pr[dist(pred, real)=0]) | [[0.27 0.23 0.18]  [0.3 0.2 0.18]  [0.29 0.24 0.16]  [0.36 0.23 0.18]  [0.3 0.2 0.13]  [0.37 0.18 0.11]] | [[0.38 0.23 0.16]  [0.33 0.22 0.15]  [0.33 0.24 0.15]  [0.33 0.21 0.15]  [0.31 0.22 0.16]  [0.38 0.23 0.12]] | [[0.27 0.17 0.14]  [0.26 0.2 0.14]  [0.3 0.21 0.12]  [0.33 0.24 0.15]  [0.3 0.2 0.13]  [0.34 0.18 0.12]] |
| Average dist(pred, real) | [[0.87 1.19 1.4 ]  [1.02 1.34 1.51]  [0.93 1.19 1.47]  [0.84 1.22 1.46]  [0.93 1.27 1.62]  [0.86 1.34 1.66]] | [[0.84 1.18 1.54]  [1.03 1.44 1.7 ]  [0.96 1.29 1.57]  [0.95 1.32 1.52]  [0.93 1.27 1.58]  [0.84 1.27 1.64]] | [[0.9 1.18 1.44]  [1.02 1.37 1.64]  [0.94 1.26 1.54]  [0.88 1.14 1.48]  [0.92 1.25 1.54]  [0.85 1.27 1.56]] |
| Average pairwise distance | [[1.82 2.66 3.16]  [2.58 3.24 3.46]  [2.9 3.37 3.42]  [3.07 3.39 3.34]  [3.19 3.37 3.28]  [3.21 3.3 3.17]] | [[1.83 2.67 3.16]  [2.58 3.24 3.46]  [2.9 3.37 3.42]  [3.07 3.39 3.34]  [3.19 3.37 3.28]  [3.21 3.3 3.17]] | [[1.82 2.61 3.17]  [2.54 3.24 3.47]  [2.91 3.37 3.42]  [3.08 3.39 3.34]  [3.2 3.37 3.28]  [3.2 3.3 3.17]] |
| Average Pr[dist(pred, real)<=1] | [[0.86 0.65 0.6 ]  [0.72 0.59 0.53]  [0.81 0.66 0.55]  [0.82 0.64 0.52]  [0.79 0.61 0.44]  [0.79 0.55 0.39]] | [[0.8 0.69 0.54]  [0.74 0.58 0.48]  [0.75 0.6 0.51]  [0.76 0.58 0.5 ]  [0.79 0.61 0.46]  [0.8 0.6 0.44]] | [[0.83 0.67 0.56]  [0.74 0.57 0.46]  [0.79 0.6 0.5 ]  [0.81 0.67 0.52]  [0.79 0.63 0.47]  [0.82 0.61 0.44]] |
| Standard deviation of dist(pred, real) | [[0.63 0.86 1.03]  [0.84 0.96 1.06]  [0.75 0.9 1. ]  [0.77 0.91 0.98]  [0.76 0.87 0.94]  [0.81 0.87 0.89]] | [[0.8 0.91 1.09]  [0.95 1.14 1.16]  [0.84 0.98 1.03]  [0.82 0.94 0.96]  [0.79 0.92 0.99]  [0.79 0.91 0.93]] | [[0.65 0.75 0.94]  [0.78 0.96 1.02]  [0.76 0.87 0.92]  [0.76 0.84 0.94]  [0.74 0.86 0.9 ]  [0.73 0.84 0.84]] |
| Standard deviation of pairwise distance | [[0.13 0.25 0.31]  [0.25 0.32 0.3 ]  [0.28 0.28 0.23]  [0.27 0.22 0.16]  [0.26 0.18 0.13]  [0.23 0.16 0.11]] | [[0.13 0.25 0.31]  [0.25 0.32 0.3 ]  [0.28 0.28 0.23]  [0.27 0.22 0.16]  [0.26 0.18 0.13]  [0.23 0.16 0.11]] | [[0.13 0.23 0.31]  [0.23 0.3 0.3 ]  [0.28 0.28 0.23]  [0.27 0.22 0.16]  [0.26 0.18 0.13]  [0.23 0.17 0.11]] |
|  |  |  |  |