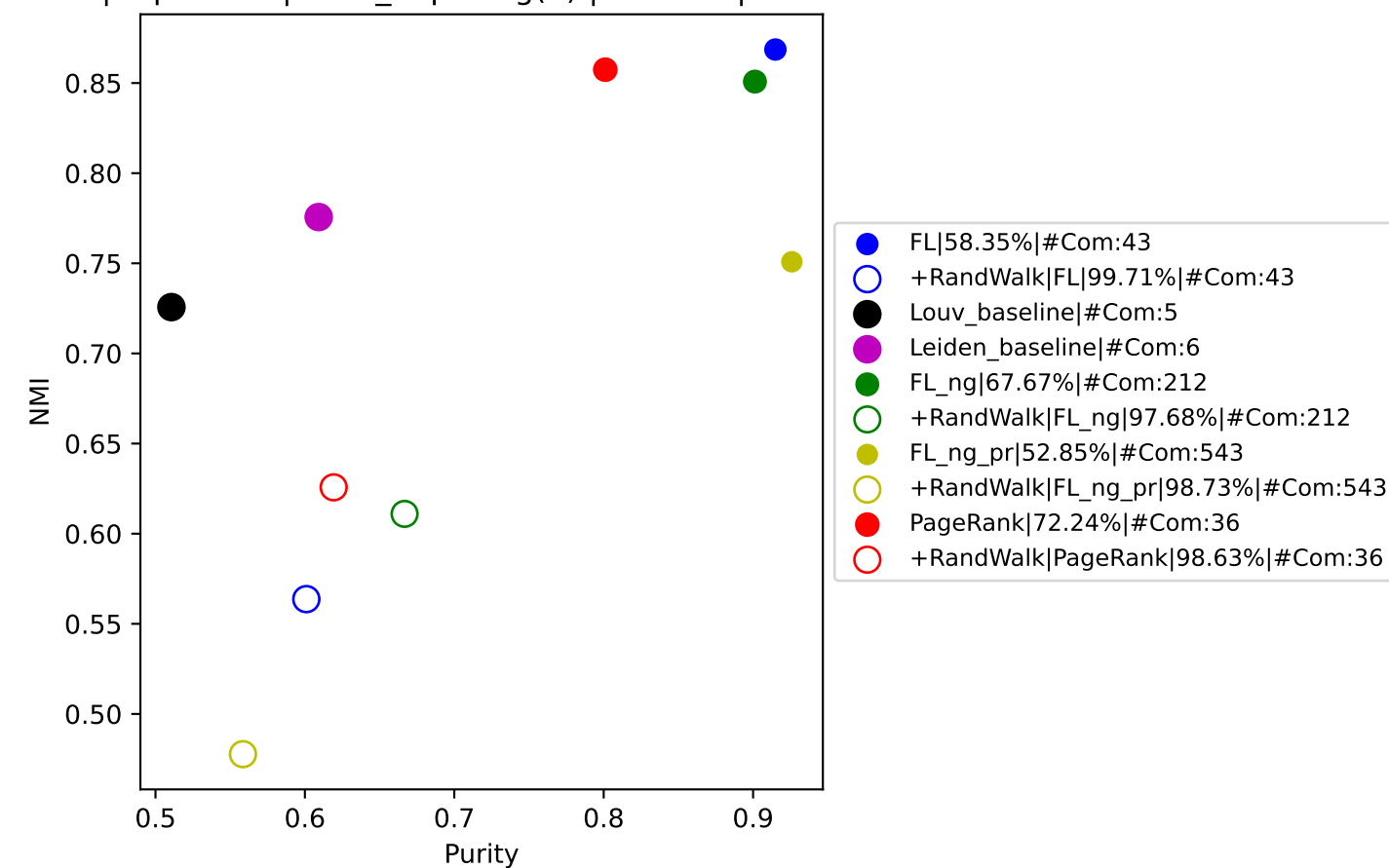
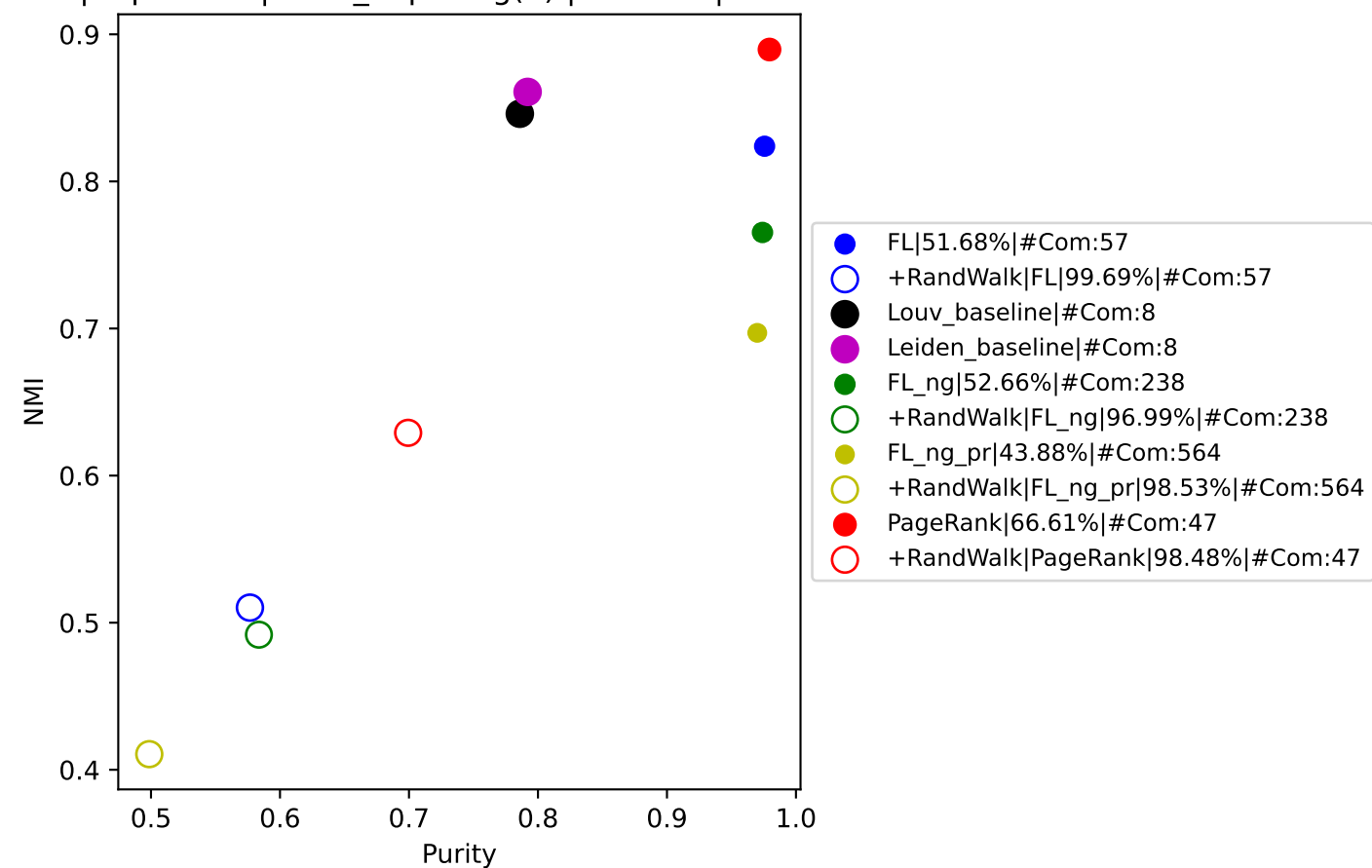


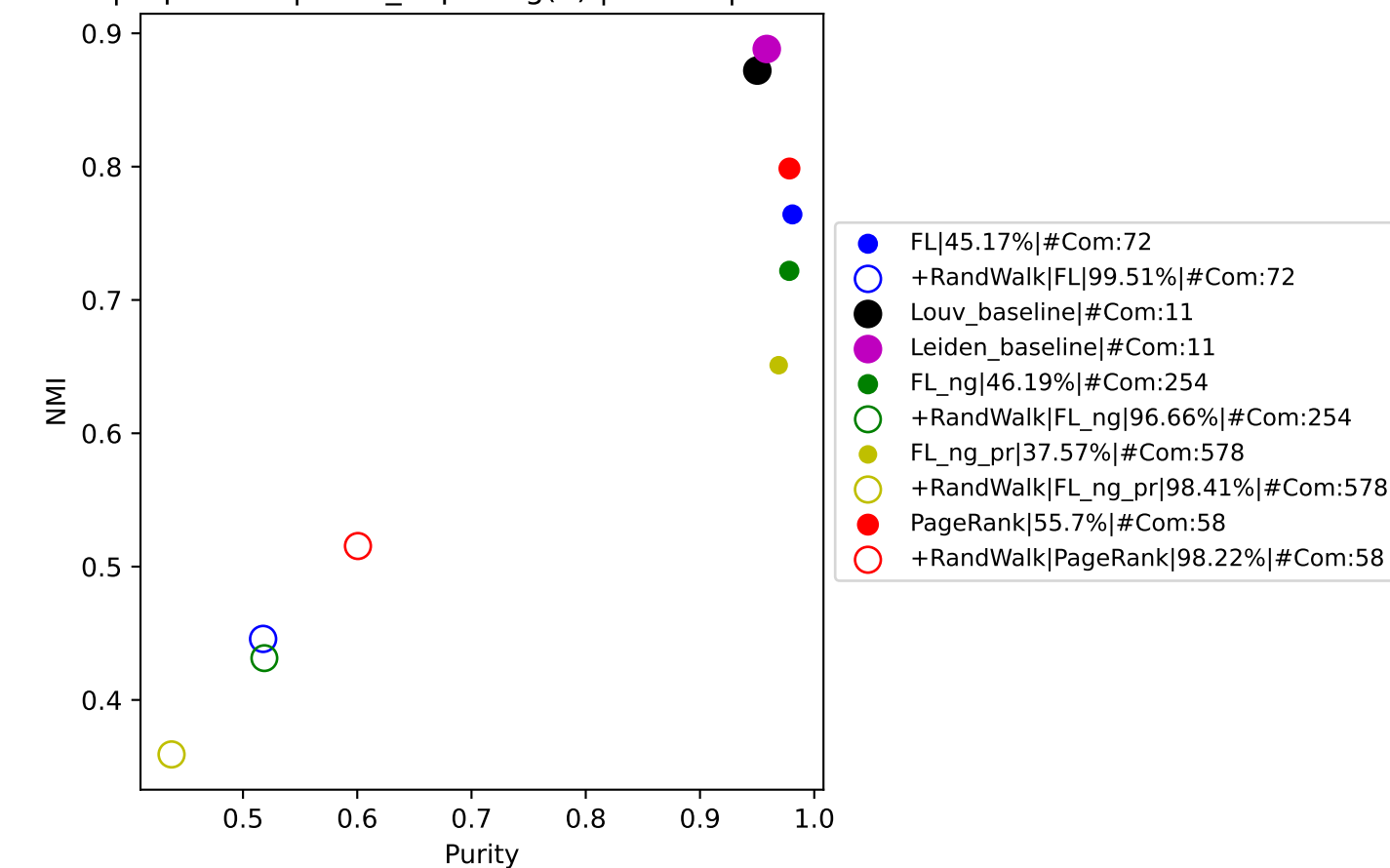
MNIST | top 20.0%| Num_hops: log(n) |res: 0.05|#OfComm: 10



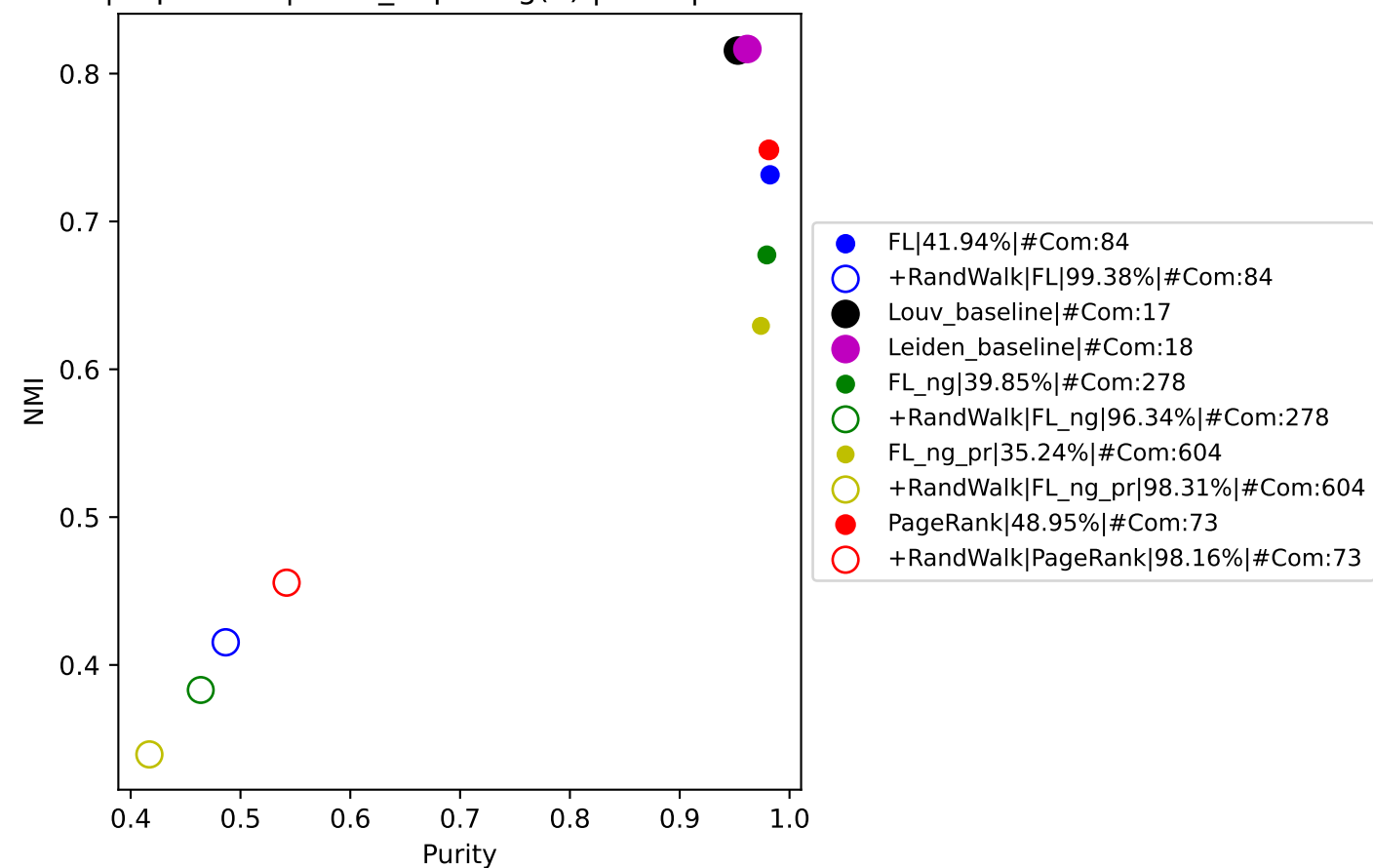
MNIST | top 20.0%| Num_hops: log(n) |res: 0.25|#OfComm: 10



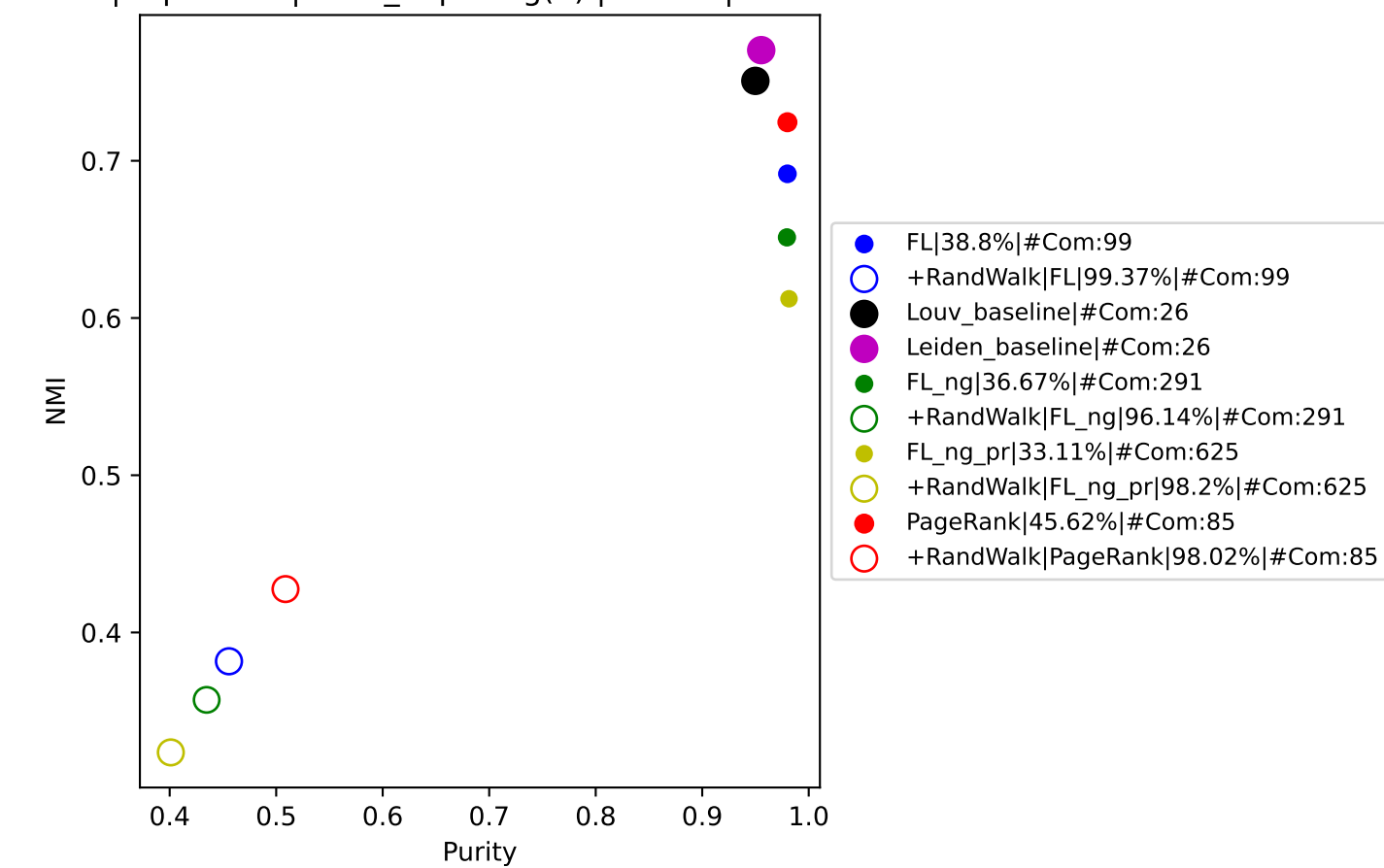
MNIST | top 20.0%| Num_hops: log(n) |res: 0.5|#OfComm: 10



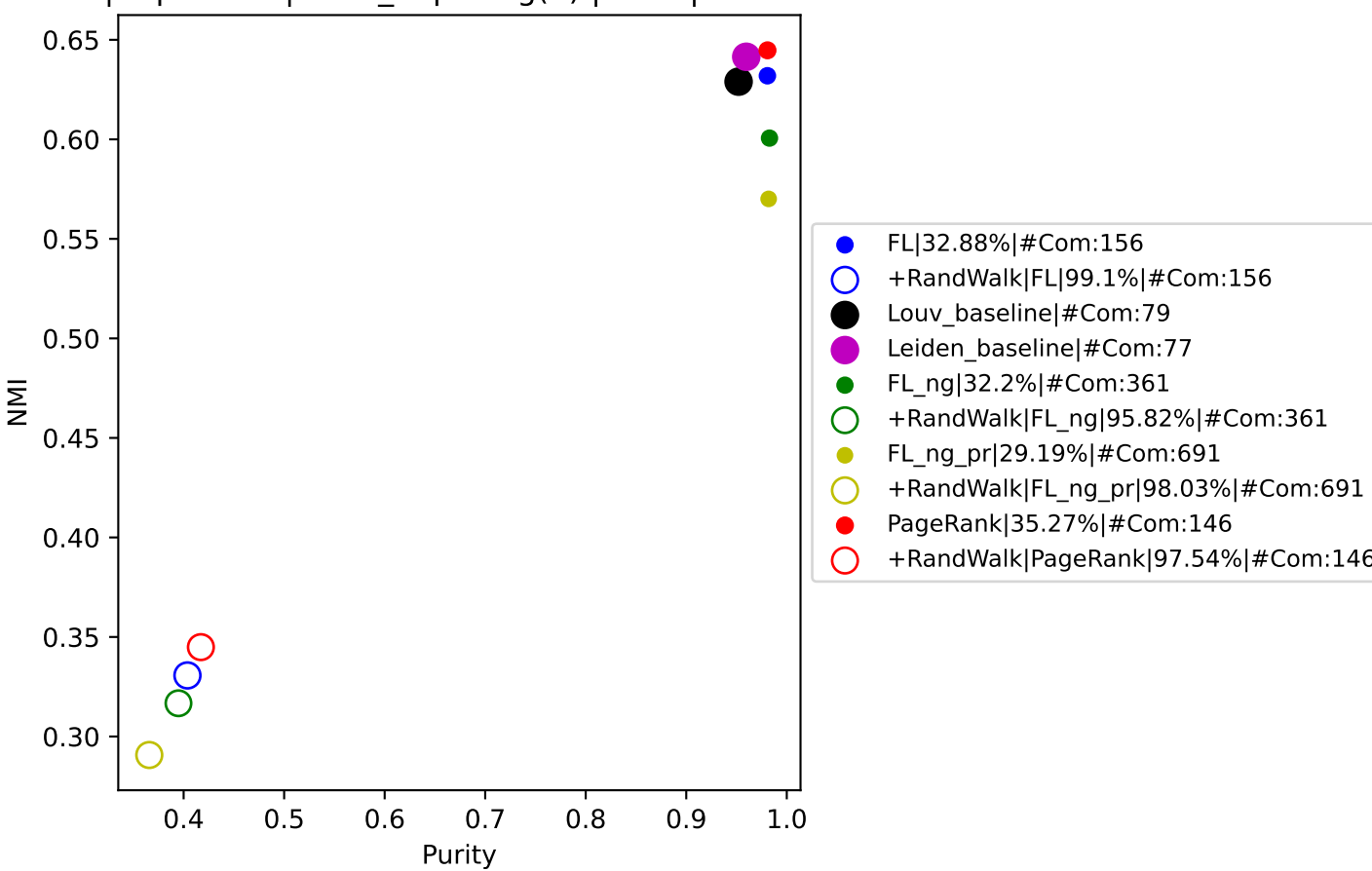
MNIST | top 20.0%| Num_hops: log(n) |res: 1|#OfComm: 10



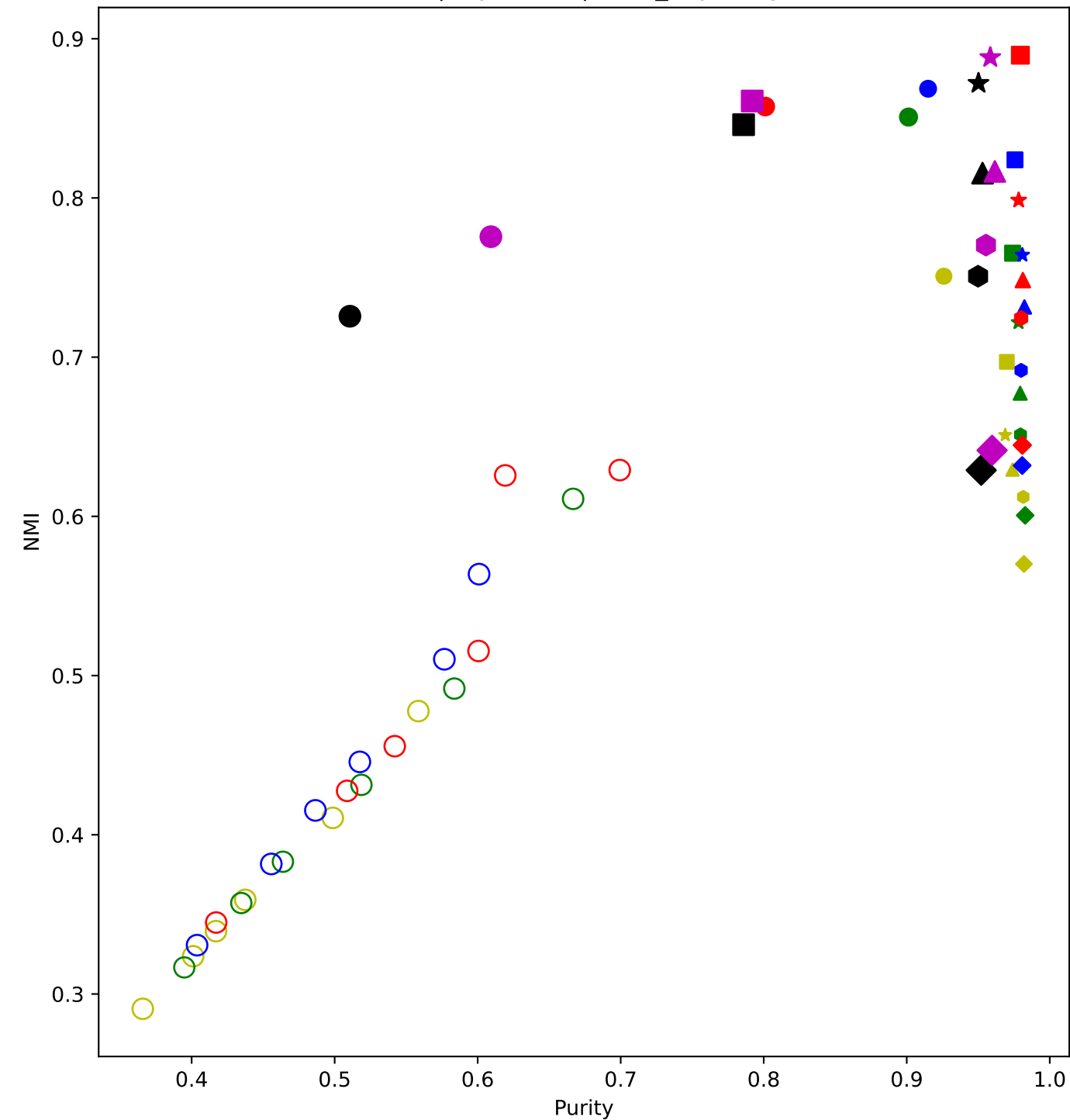
MNIST | top 20.0%| Num_hops: log(n) |res: 1.5|#OfComm: 10



MNIST | top 20.0%| Num_hops: log(n) |res: 5|#OfComm: 10



MNIST | top 20.0%| Num_hops: log(n)



- | | |
|--------------------------------------|--------------------------------------|
| ● FL 58.35% #Com:43 | ▲ FL 41.94% #Com:84 |
| ○ +RandWalk FL 99.71% #Com:43 | ○ +RandWalk FL 99.38% #Com:84 |
| ● Louv_baseline 0.05 | ▲ Louv_baseline 1 |
| ● Leiden_baseline 0.05 | ▲ Leiden_baseline 1 |
| ● FL_ng 67.67% #Com:212 | ▲ FL_ng 39.85% #Com:278 |
| ○ +RandWalk FL_ng 97.68% #Com:212 | ○ +RandWalk FL_ng 96.34% #Com:278 |
| ● FL_ng_pr 52.85% #Com:543 | ▲ FL_ng_pr 35.24% #Com:604 |
| ○ +RandWalk FL_ng_pr 98.73% #Com:543 | ○ +RandWalk FL_ng_pr 98.31% #Com:604 |
| ● PageRank 72.24% #Com:36 | ▲ PageRank 48.95% #Com:73 |
| ○ +RandWalk PageRank 98.63% #Com:36 | ○ +RandWalk PageRank 98.16% #Com:73 |
| ● FL 51.68% #Com:57 | ● FL 38.8% #Com:99 |
| ○ +RandWalk FL 99.69% #Com:57 | ○ +RandWalk FL 99.37% #Com:99 |
| ■ Louv_baseline 0.25 | ■ Louv_baseline 1.5 |
| ■ Leiden_baseline 0.25 | ■ Leiden_baseline 1.5 |
| ■ FL_ng 52.66% #Com:238 | ● FL_ng 36.67% #Com:291 |
| ○ +RandWalk FL_ng 96.99% #Com:238 | ○ +RandWalk FL_ng 96.14% #Com:291 |
| ■ FL_ng_pr 43.88% #Com:564 | ● FL_ng_pr 33.11% #Com:625 |
| ○ +RandWalk FL_ng_pr 98.53% #Com:564 | ○ +RandWalk FL_ng_pr 98.2% #Com:625 |
| ■ PageRank 66.61% #Com:47 | ● PageRank 45.62% #Com:85 |
| ○ +RandWalk PageRank 98.48% #Com:47 | ○ +RandWalk PageRank 98.02% #Com:85 |
| ★ FL 45.17% #Com:72 | ◆ FL 32.88% #Com:156 |
| ○ +RandWalk FL 99.51% #Com:72 | ○ +RandWalk FL 99.1% #Com:156 |
| ★ Louv_baseline 0.5 | ◆ Louv_baseline 5 |
| ★ Leiden_baseline 0.5 | ◆ Leiden_baseline 5 |
| ★ FL_ng 46.19% #Com:254 | ◆ FL_ng 32.2% #Com:361 |
| ○ +RandWalk FL_ng 96.66% #Com:254 | ○ +RandWalk FL_ng 95.82% #Com:361 |
| ★ FL_ng_pr 37.57% #Com:578 | ◆ FL_ng_pr 29.19% #Com:691 |
| ○ +RandWalk FL_ng_pr 98.41% #Com:578 | ○ +RandWalk FL_ng_pr 98.03% #Com:691 |
| ★ PageRank 55.7% #Com:58 | ◆ PageRank 35.27% #Com:146 |
| ○ +RandWalk PageRank 98.22% #Com:58 | ○ +RandWalk PageRank 97.54% #Com:146 |