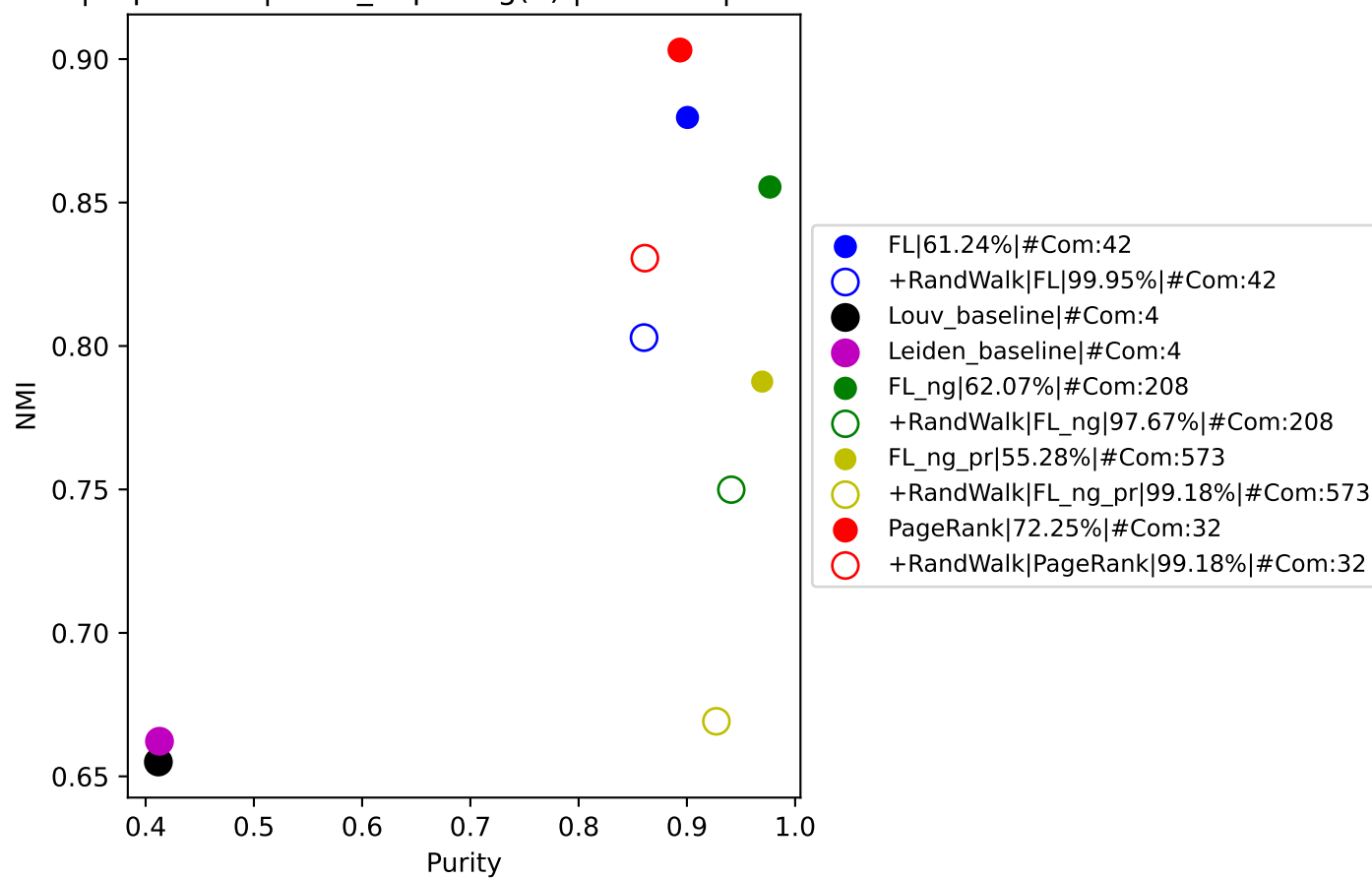
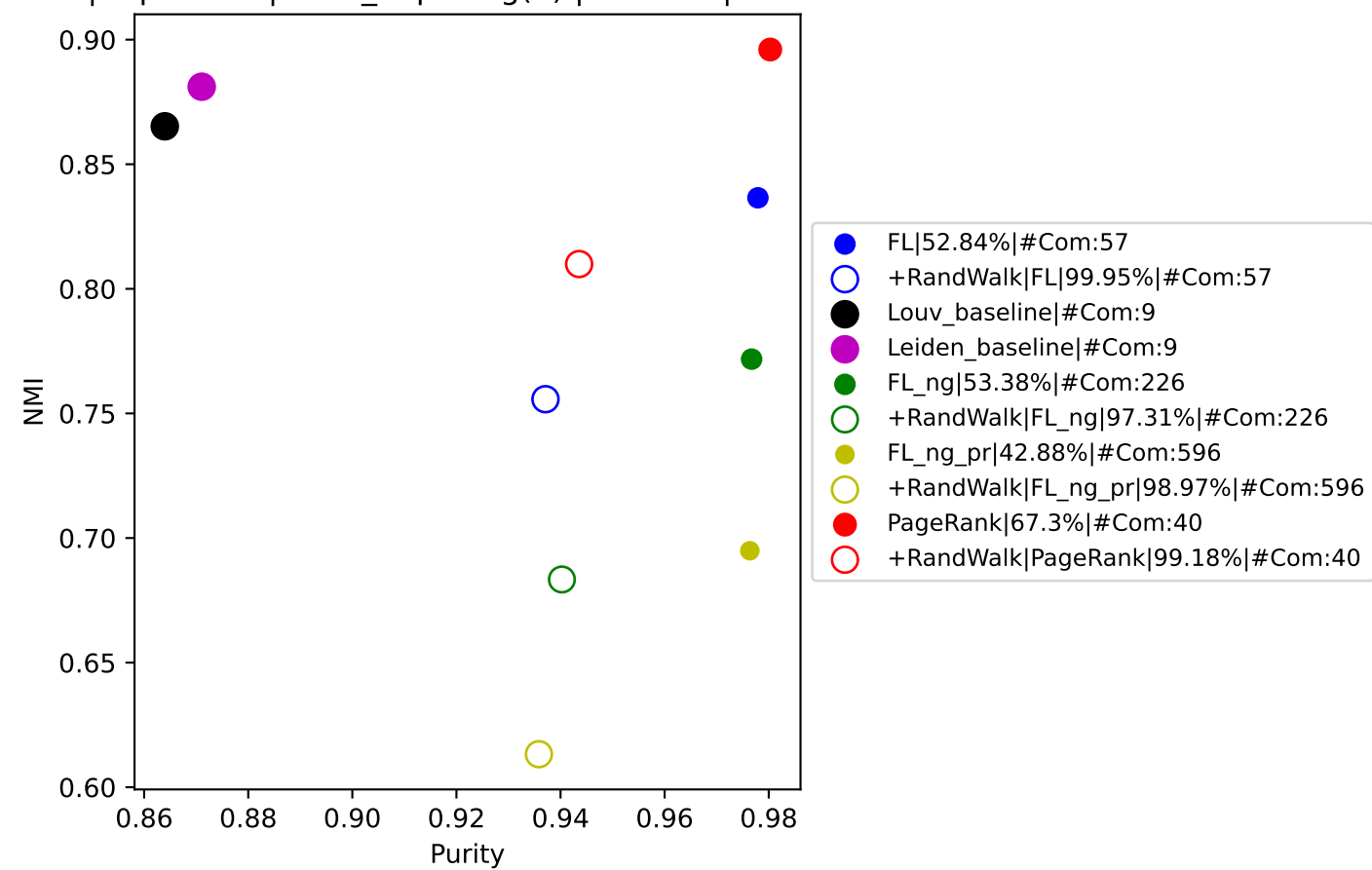


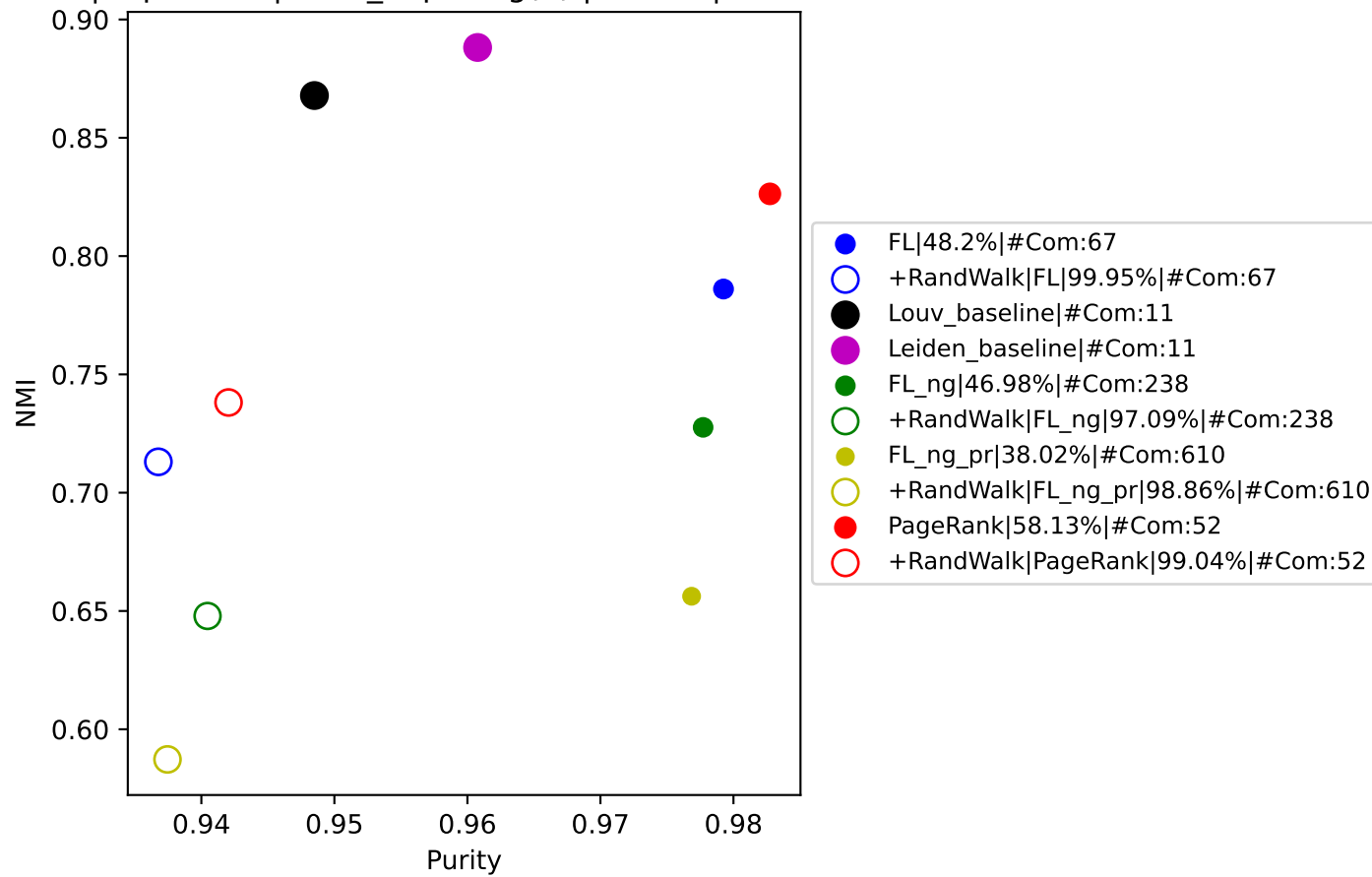
MNIST | top 20.0%| Num_hops: log(n) |res: 0.05|#OfComm: 10



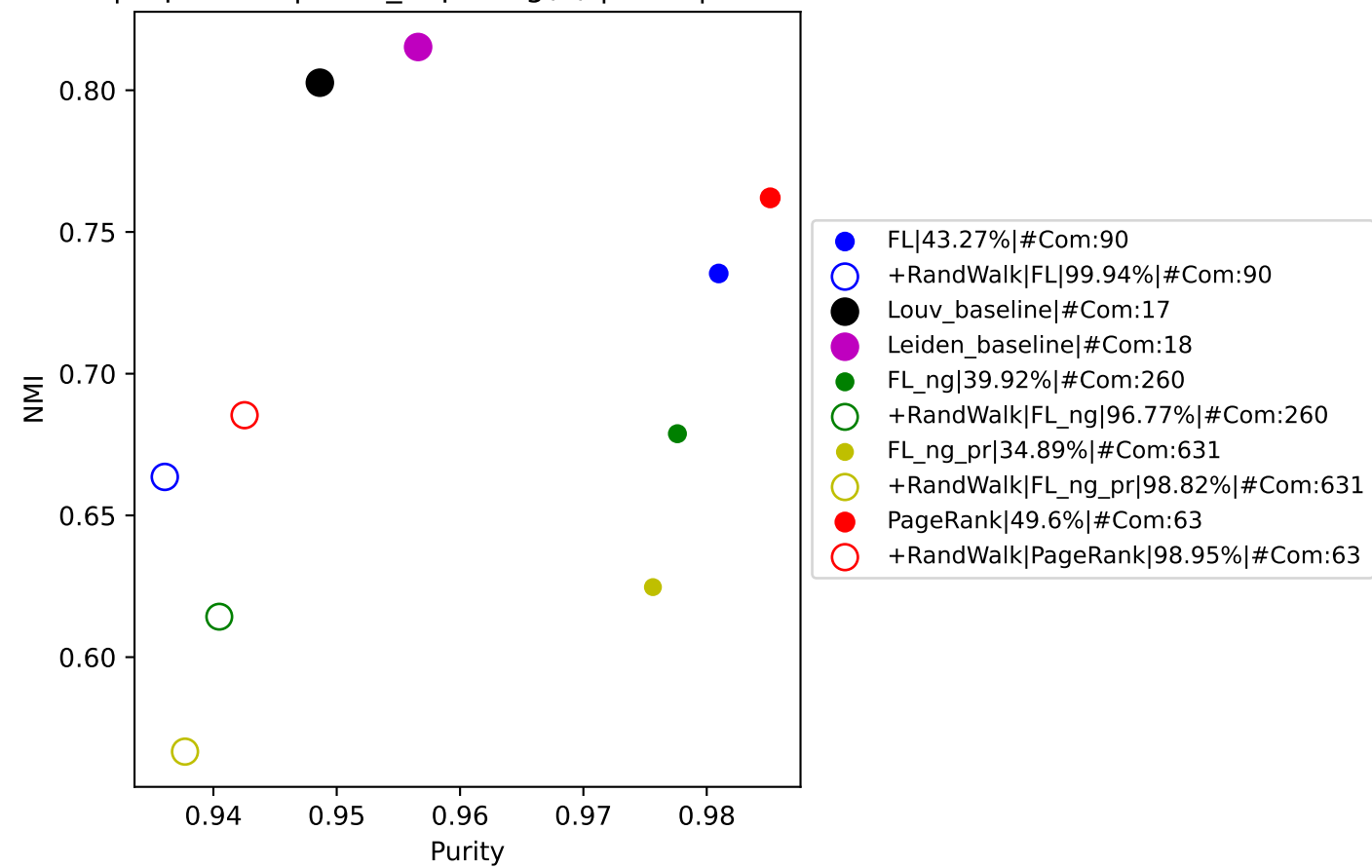
MNIST | top 20.0%| Num_hops: log(n) |res: 0.25|#OfComm: 10



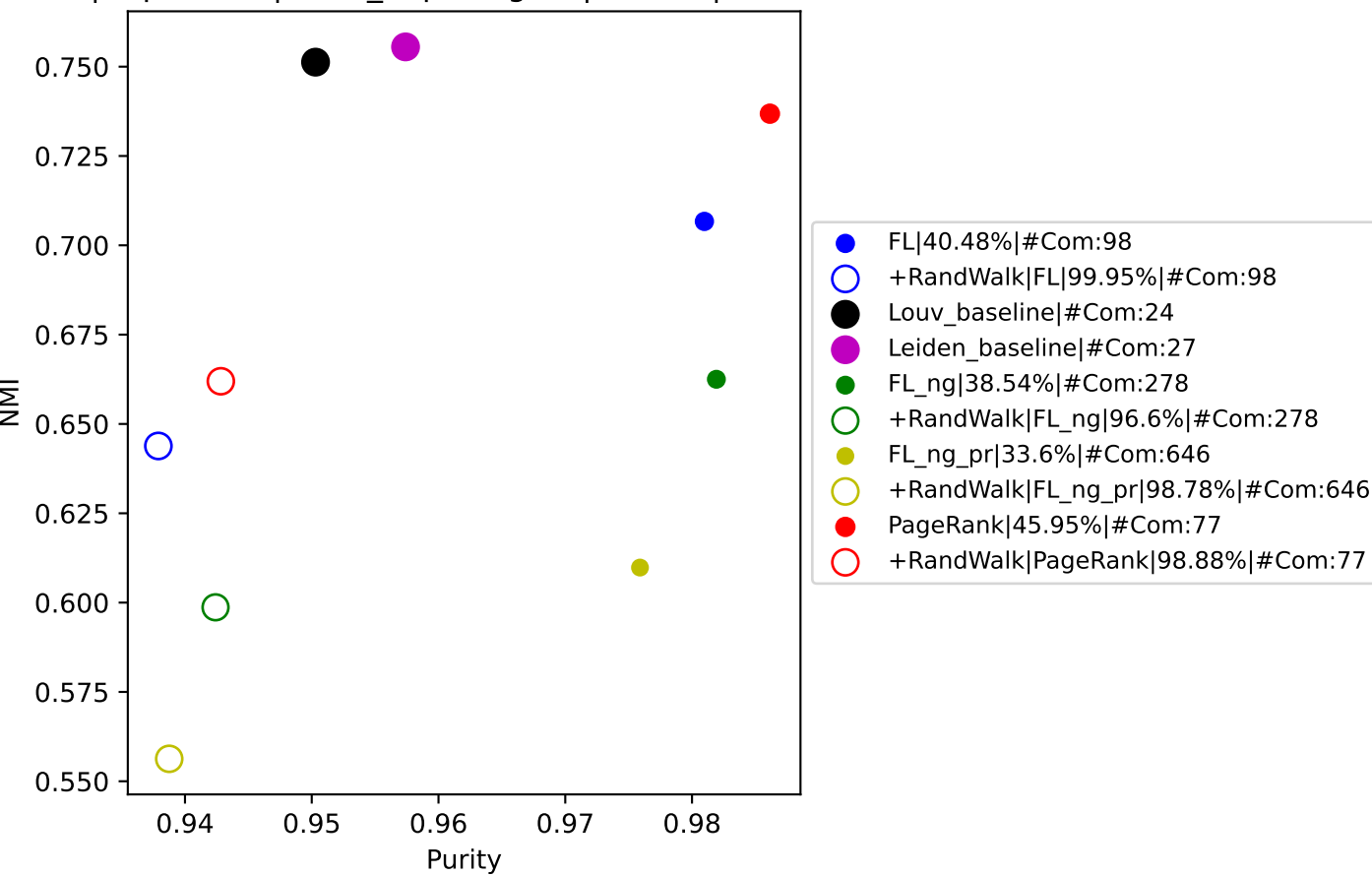
MNIST | top 20.0%| Num_hops: log(n) |res: 0.5|#OfComm: 10



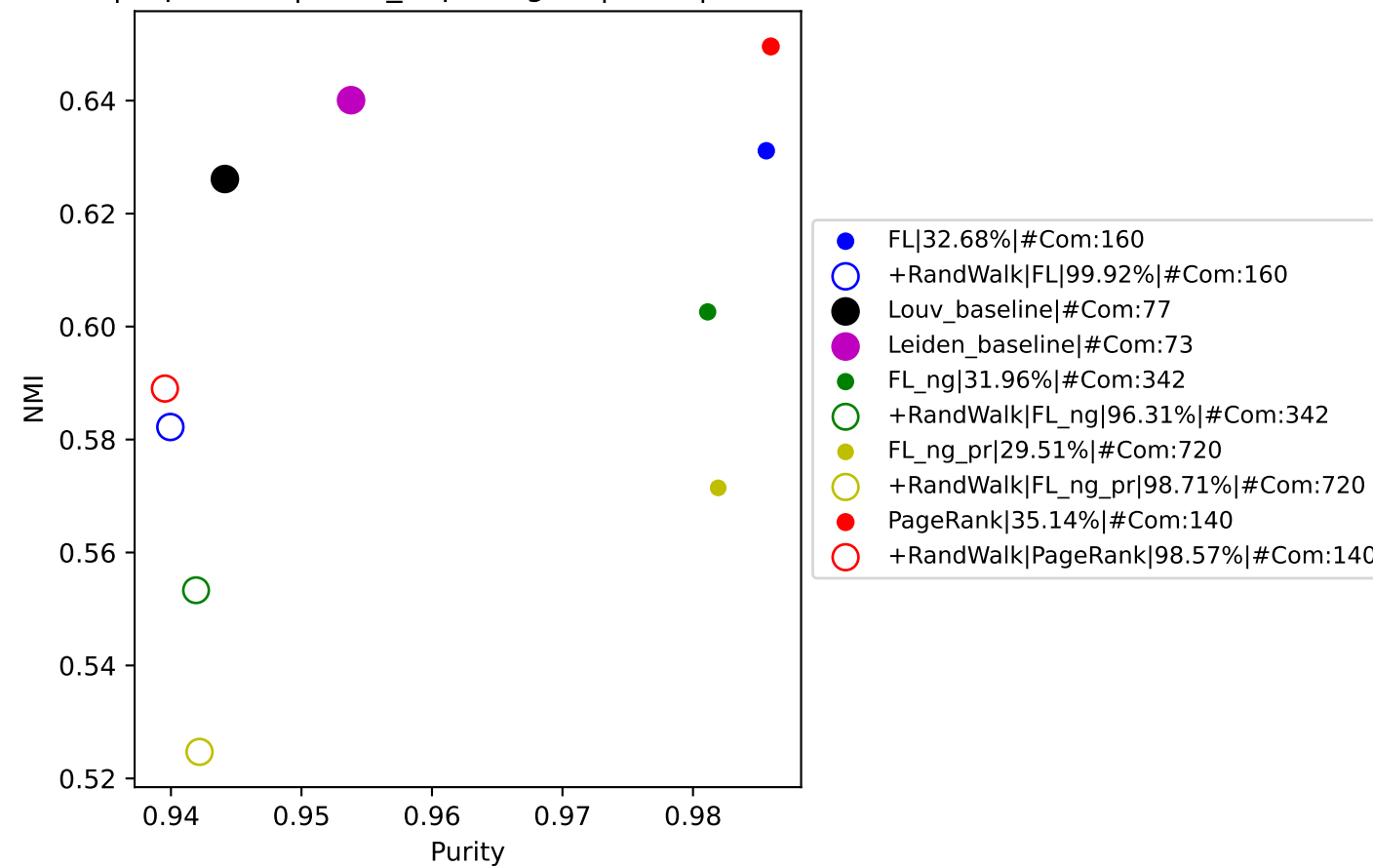
MNIST | top 20.0%| Num_hops: log(n) |res: 1|#OfComm: 10



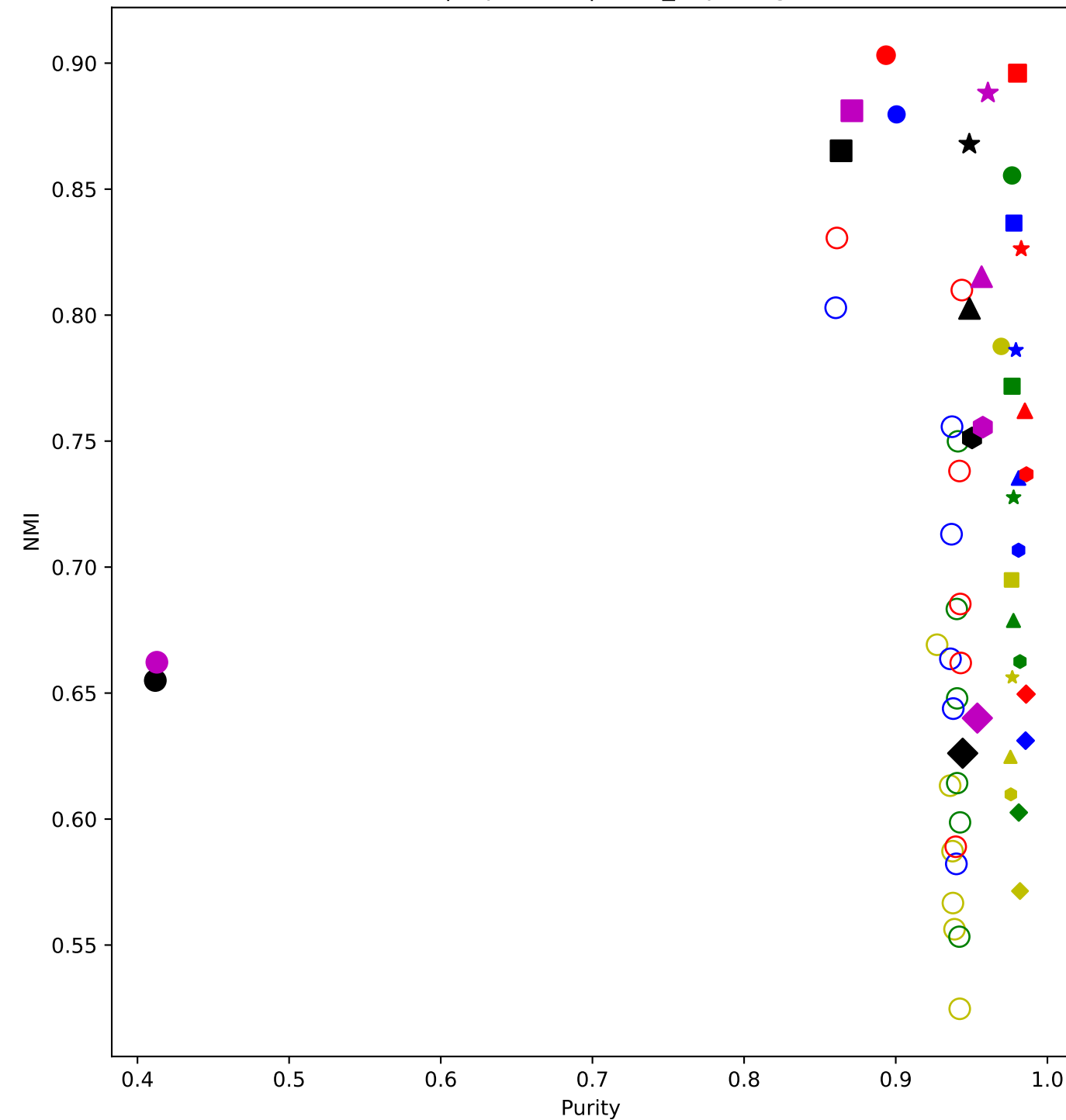
MNIST | top 20.0%| Num_hops: log(n) |res: 1.5|#OfComm: 10



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



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



- | | |
|--------------------------------------|--------------------------------------|
| ● FL 61.24% #Com:42 | ▲ FL 43.27% #Com:90 |
| ○ +RandWalk FL 99.95% #Com:42 | ○ +RandWalk FL 99.94% #Com:90 |
| ● Louv_baseline 0.05 | ▲ Louv_baseline 1 |
| ● Leiden_baseline 0.05 | ▲ Leiden_baseline 1 |
| ● FL_ng 62.07% #Com:208 | ▲ FL_ng 39.92% #Com:260 |
| ○ +RandWalk FL_ng 97.67% #Com:208 | ○ +RandWalk FL_ng 96.77% #Com:260 |
| ● FL_ng_pr 55.28% #Com:573 | ▲ FL_ng_pr 34.89% #Com:631 |
| ○ +RandWalk FL_ng_pr 99.18% #Com:573 | ○ +RandWalk FL_ng_pr 98.82% #Com:631 |
| ● PageRank 72.25% #Com:32 | ▲ PageRank 49.6% #Com:63 |
| ○ +RandWalk PageRank 99.18% #Com:32 | ○ +RandWalk PageRank 98.95% #Com:63 |
| ■ FL 52.84% #Com:57 | ● FL 40.48% #Com:98 |
| ○ +RandWalk FL 99.95% #Com:57 | ○ +RandWalk FL 99.95% #Com:98 |
| ■ Louv_baseline 0.25 | ● Louv_baseline 1.5 |
| ■ Leiden_baseline 0.25 | ● Leiden_baseline 1.5 |
| ■ FL_ng 53.38% #Com:226 | ● FL_ng 38.54% #Com:278 |
| ○ +RandWalk FL_ng 97.31% #Com:226 | ○ +RandWalk FL_ng 96.6% #Com:278 |
| ■ FL_ng_pr 42.88% #Com:596 | ● FL_ng_pr 33.6% #Com:646 |
| ○ +RandWalk FL_ng_pr 98.97% #Com:596 | ○ +RandWalk FL_ng_pr 98.78% #Com:646 |
| ■ PageRank 67.3% #Com:40 | ● PageRank 45.95% #Com:77 |
| ○ +RandWalk PageRank 99.18% #Com:40 | ○ +RandWalk PageRank 98.88% #Com:77 |
| ★ FL 48.2% #Com:67 | ◆ FL 32.68% #Com:160 |
| ○ +RandWalk FL 99.95% #Com:67 | ○ +RandWalk FL 99.92% #Com:160 |
| ★ Louv_baseline 0.5 | ◆ Louv_baseline 5 |
| ★ Leiden_baseline 0.5 | ◆ Leiden_baseline 5 |
| ★ FL_ng 46.98% #Com:238 | ◆ FL_ng 31.96% #Com:342 |
| ○ +RandWalk FL_ng 97.09% #Com:238 | ○ +RandWalk FL_ng 96.31% #Com:342 |
| ★ FL_ng_pr 38.02% #Com:610 | ◆ FL_ng_pr 29.51% #Com:720 |
| ○ +RandWalk FL_ng_pr 98.86% #Com:610 | ○ +RandWalk FL_ng_pr 98.71% #Com:720 |
| ★ PageRank 58.13% #Com:52 | ◆ PageRank 35.14% #Com:140 |
| ○ +RandWalk PageRank 99.04% #Com:52 | ○ +RandWalk PageRank 98.57% #Com:140 |