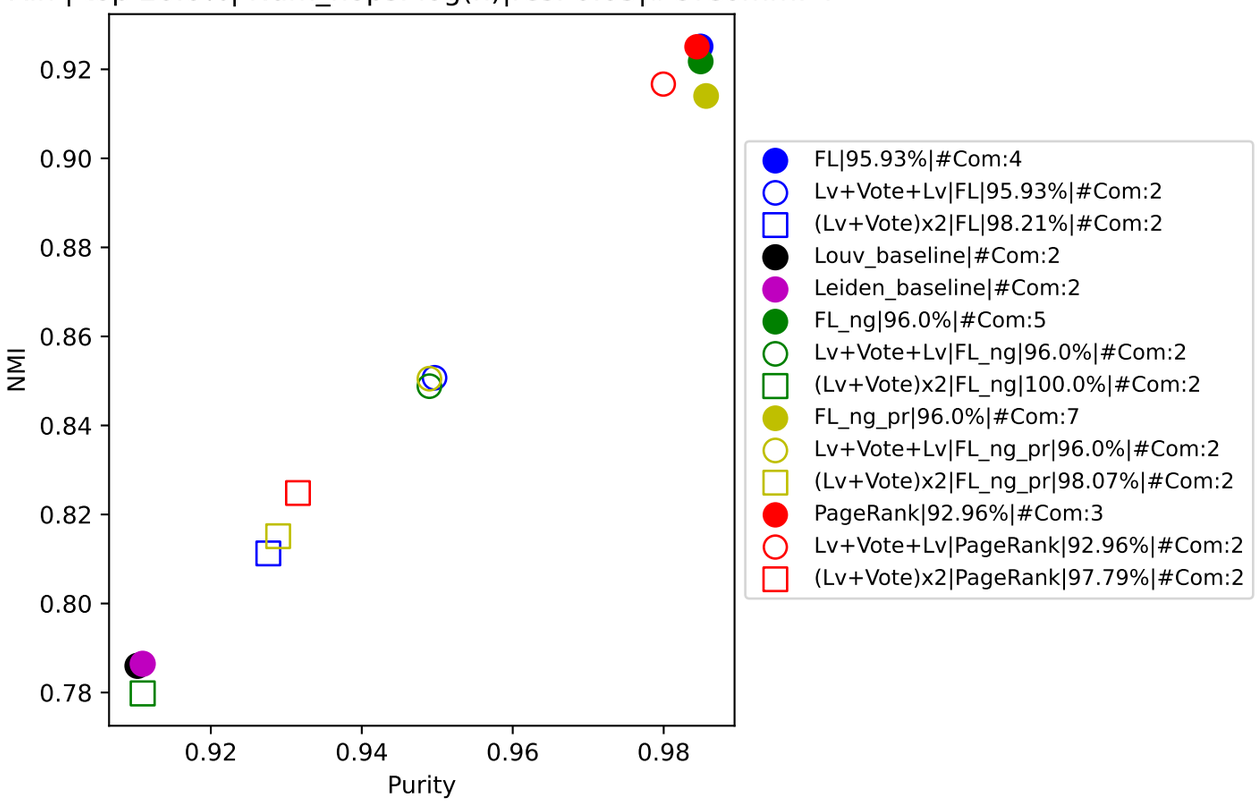
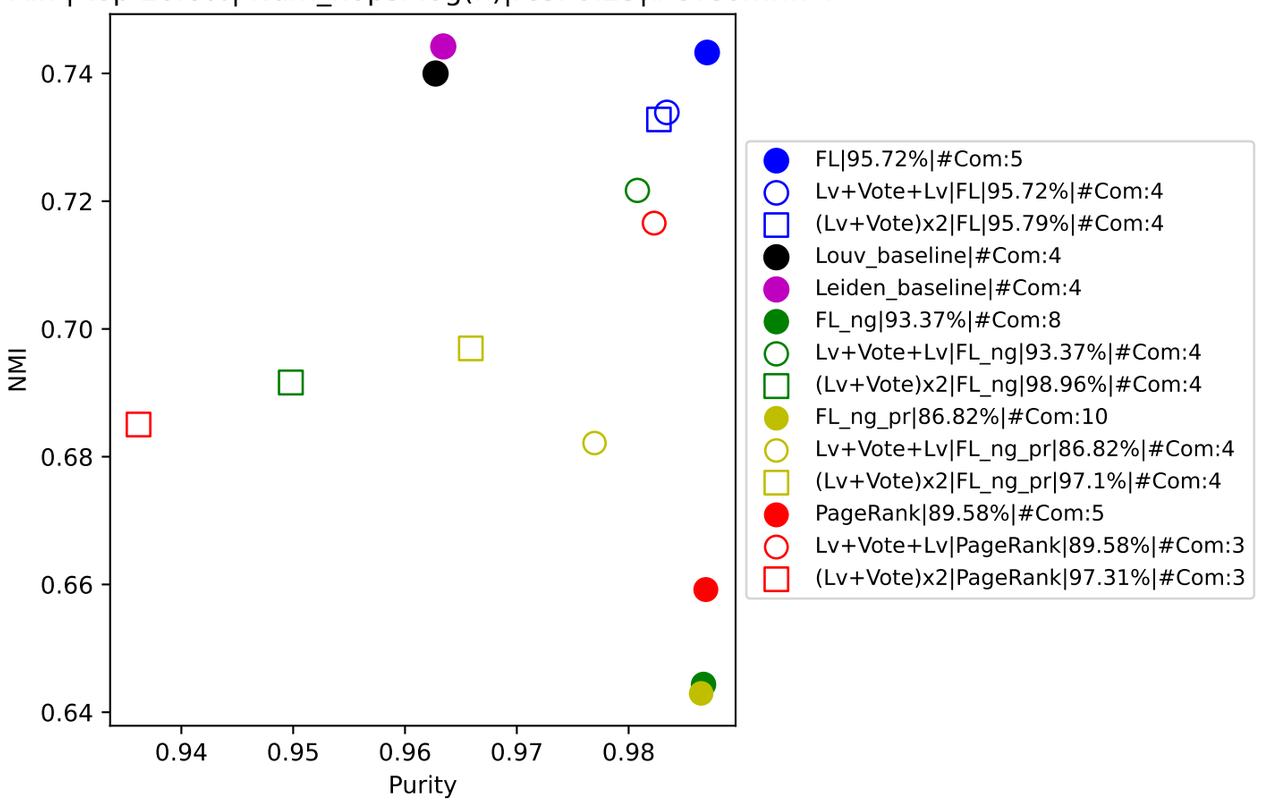
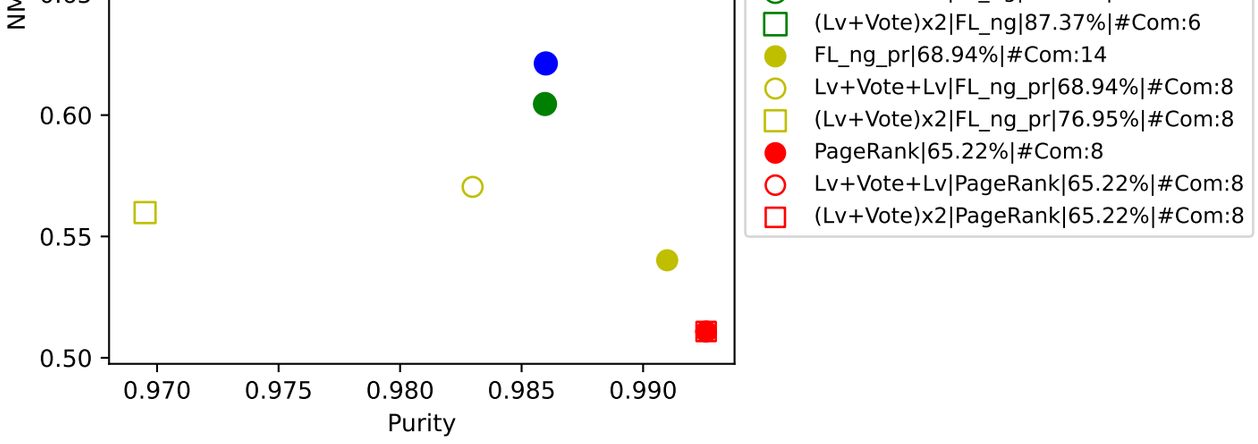
Xin | top 20.0%| Num_hops: log(n)|res: 0.05|#OfComm: 4



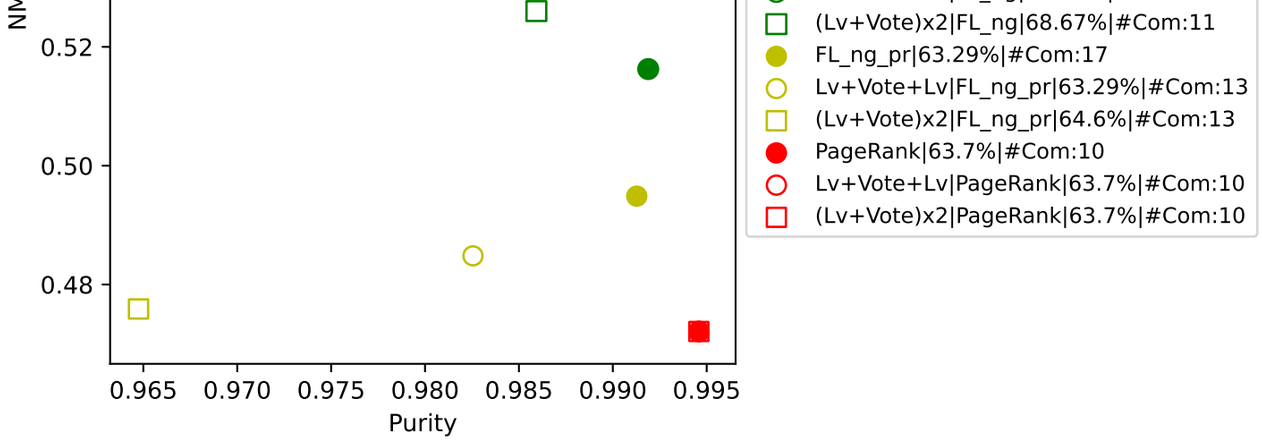
Xin | top 20.0%| Num_hops: log(n)|res: 0.25|#OfComm: 4



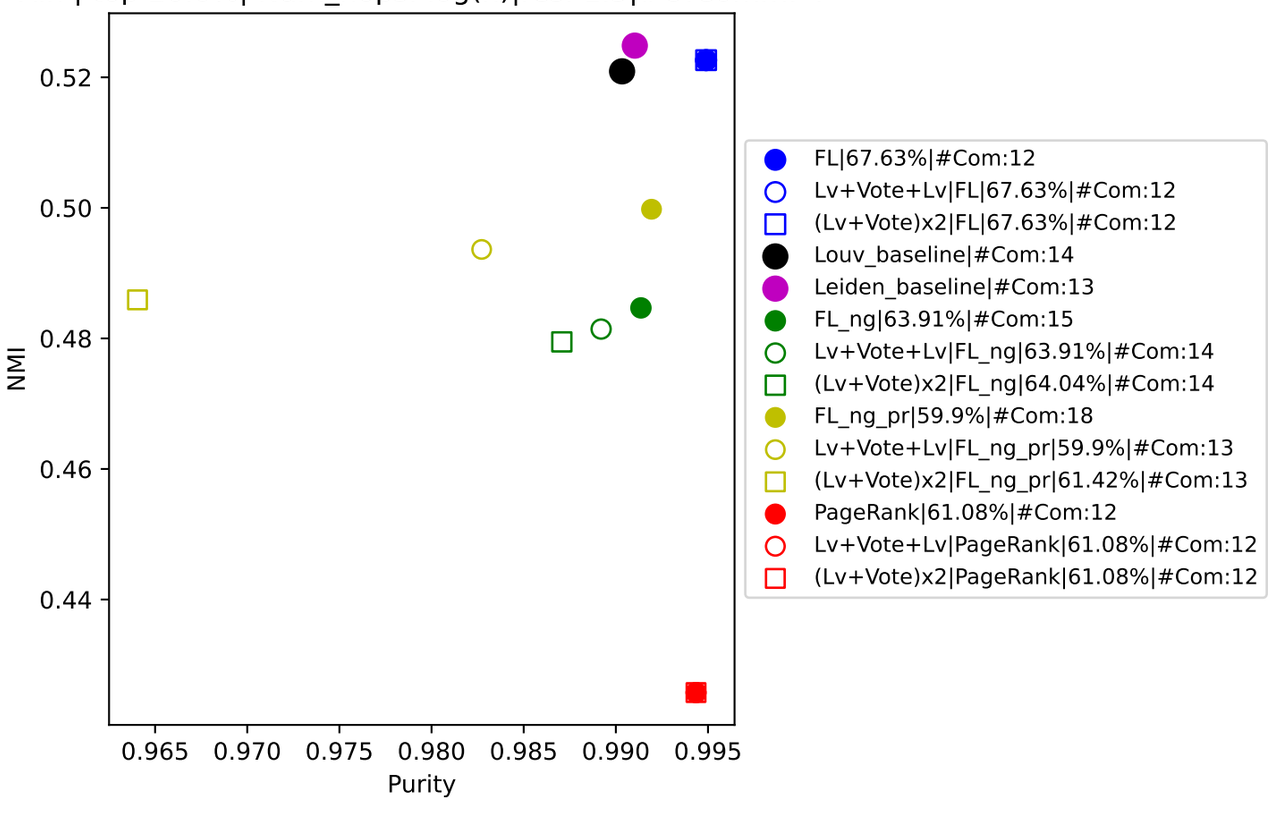
Xin | top 20.0%| Num_hops: log(n)|res: 0.5|#OfComm: 4



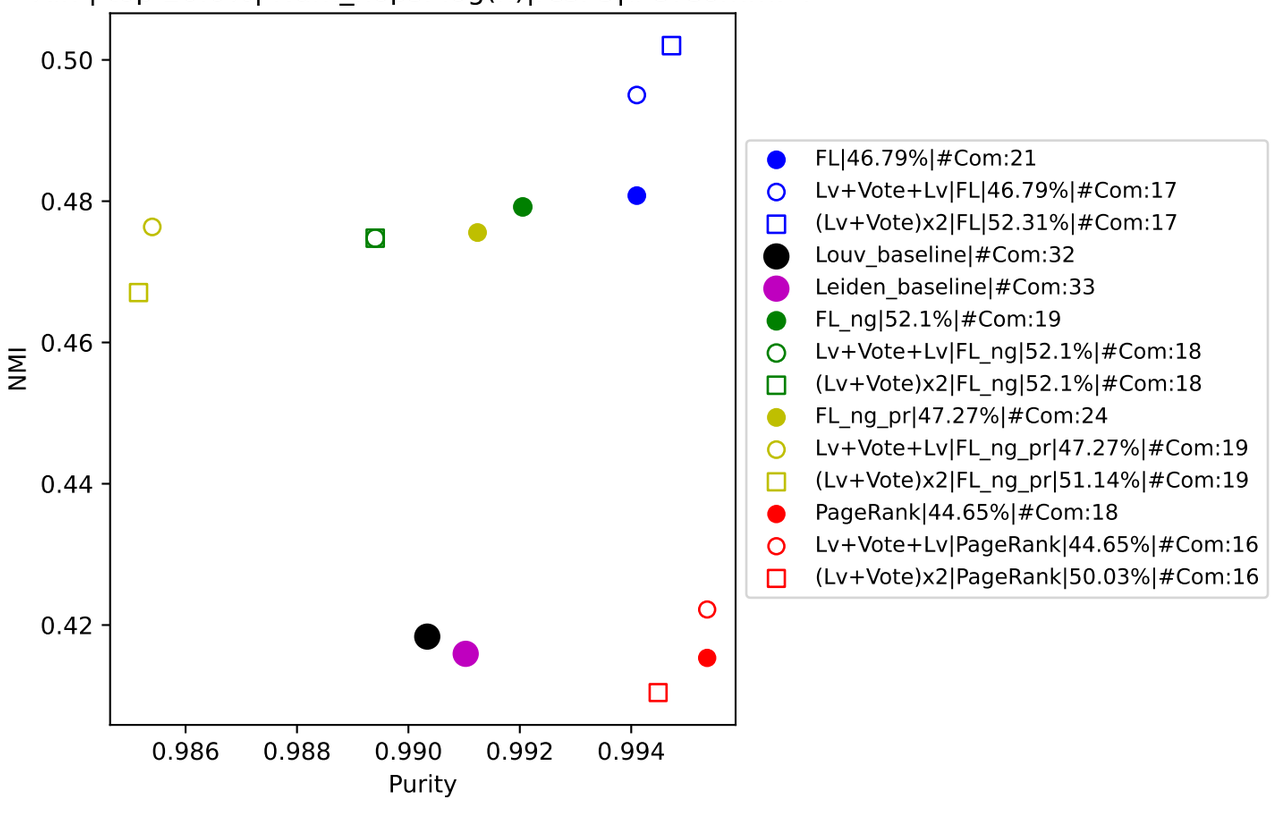
Xin | top 20.0%| Num_hops: log(n)|res: 1|#OfComm: 4

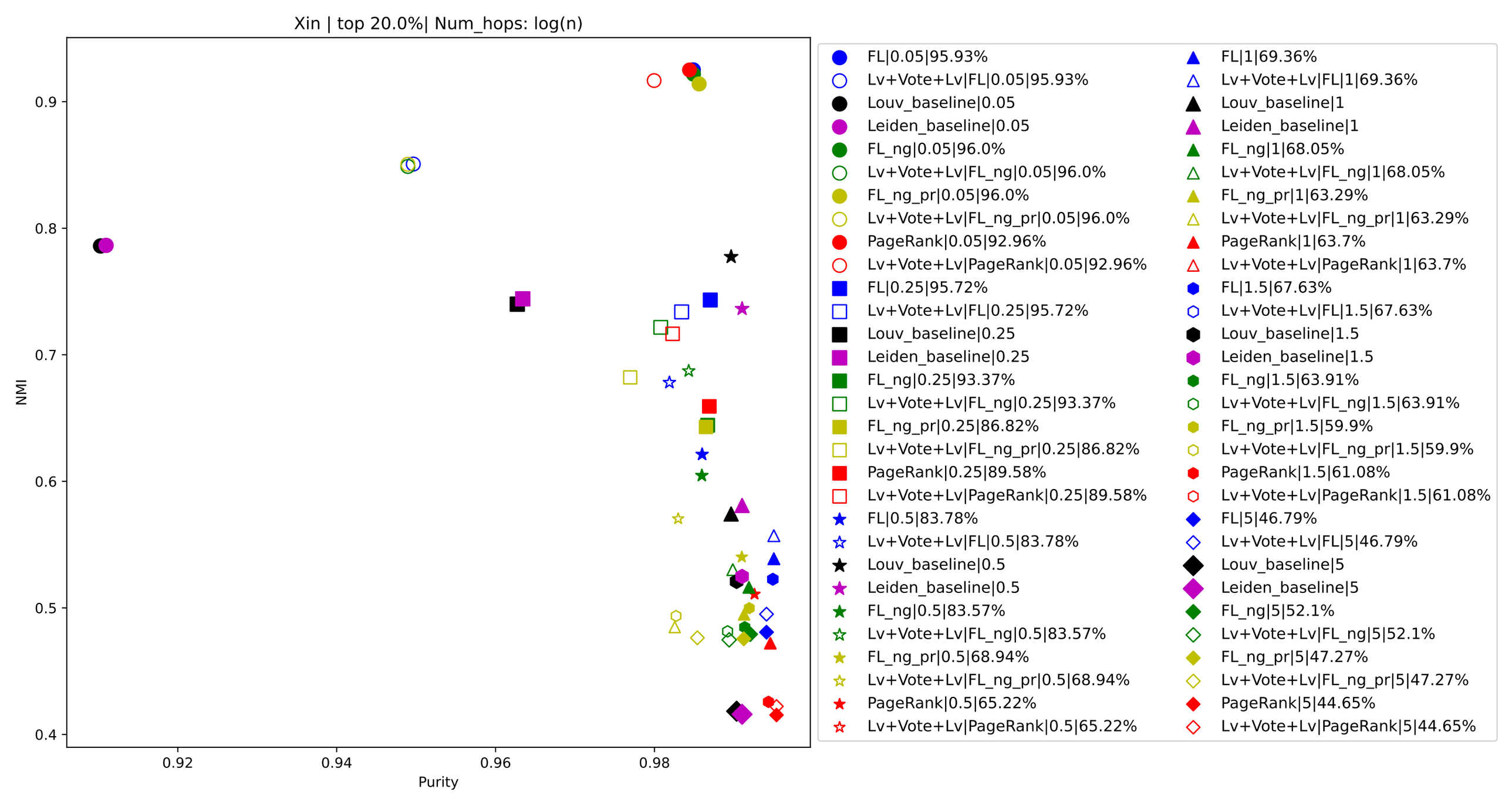


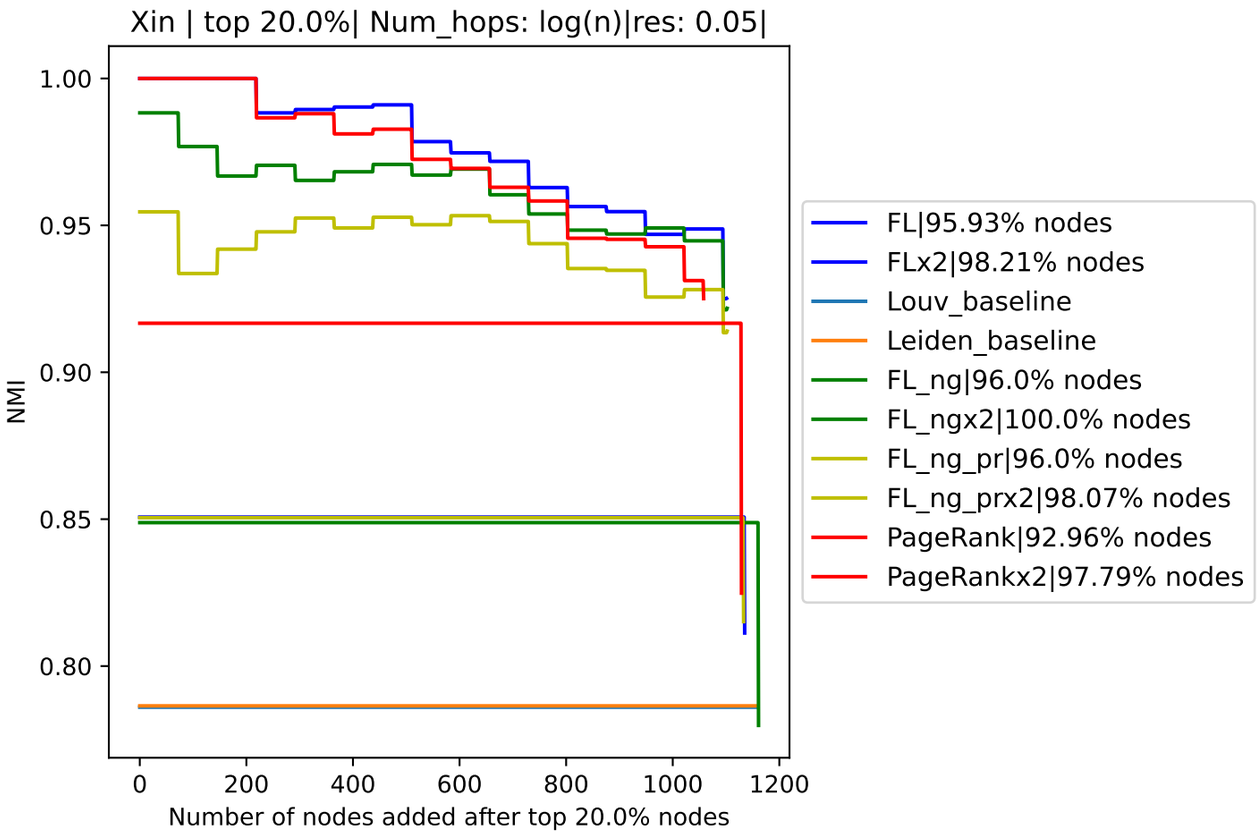
Xin | top 20.0%| Num_hops: log(n)|res: 1.5|#OfComm: 4

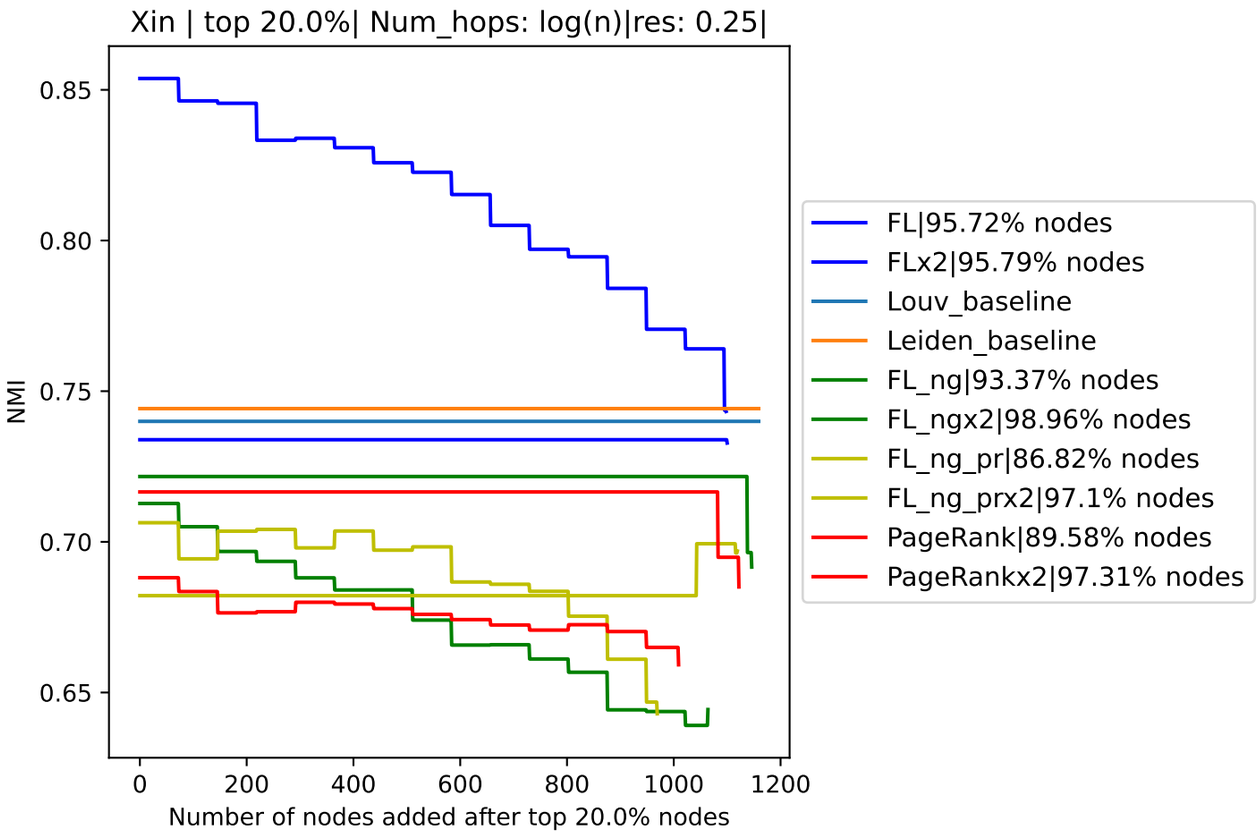


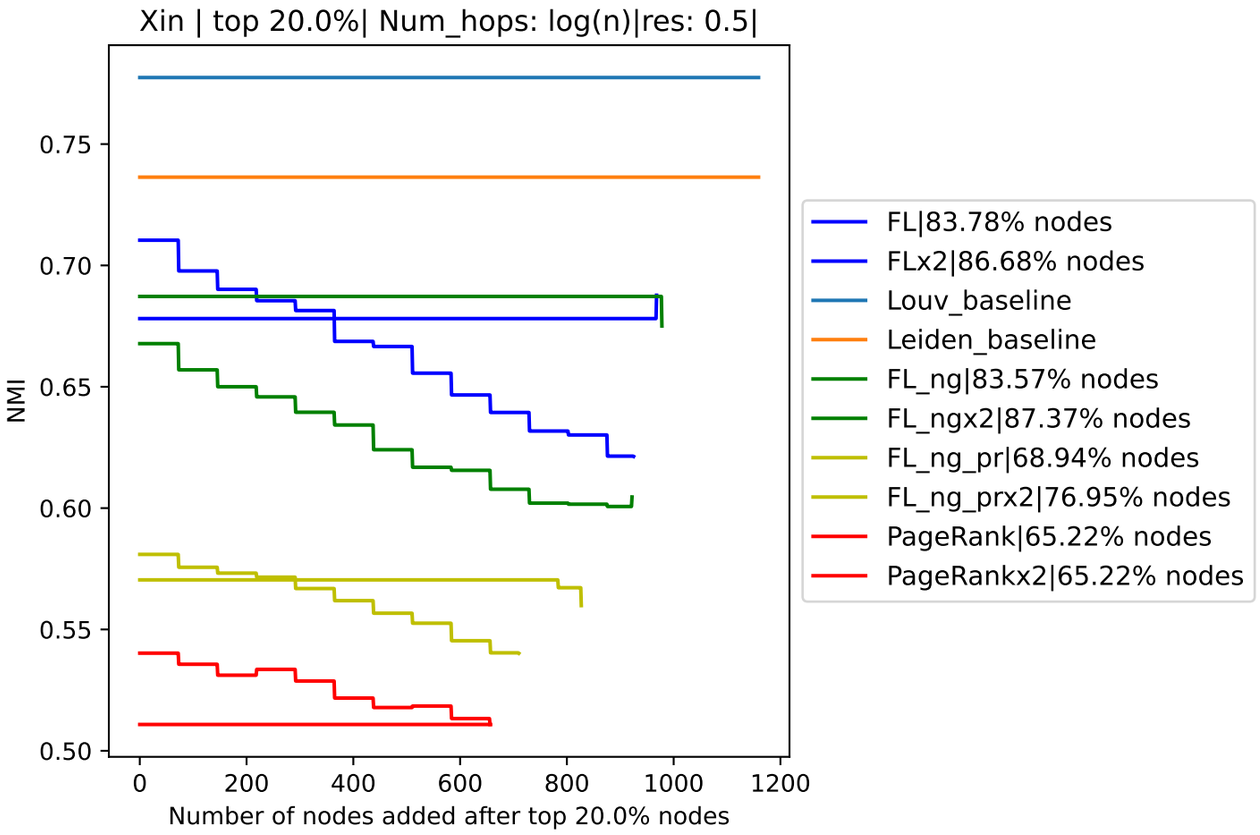
Xin | top 20.0%| Num_hops: log(n)|res: 5|#OfComm: 4

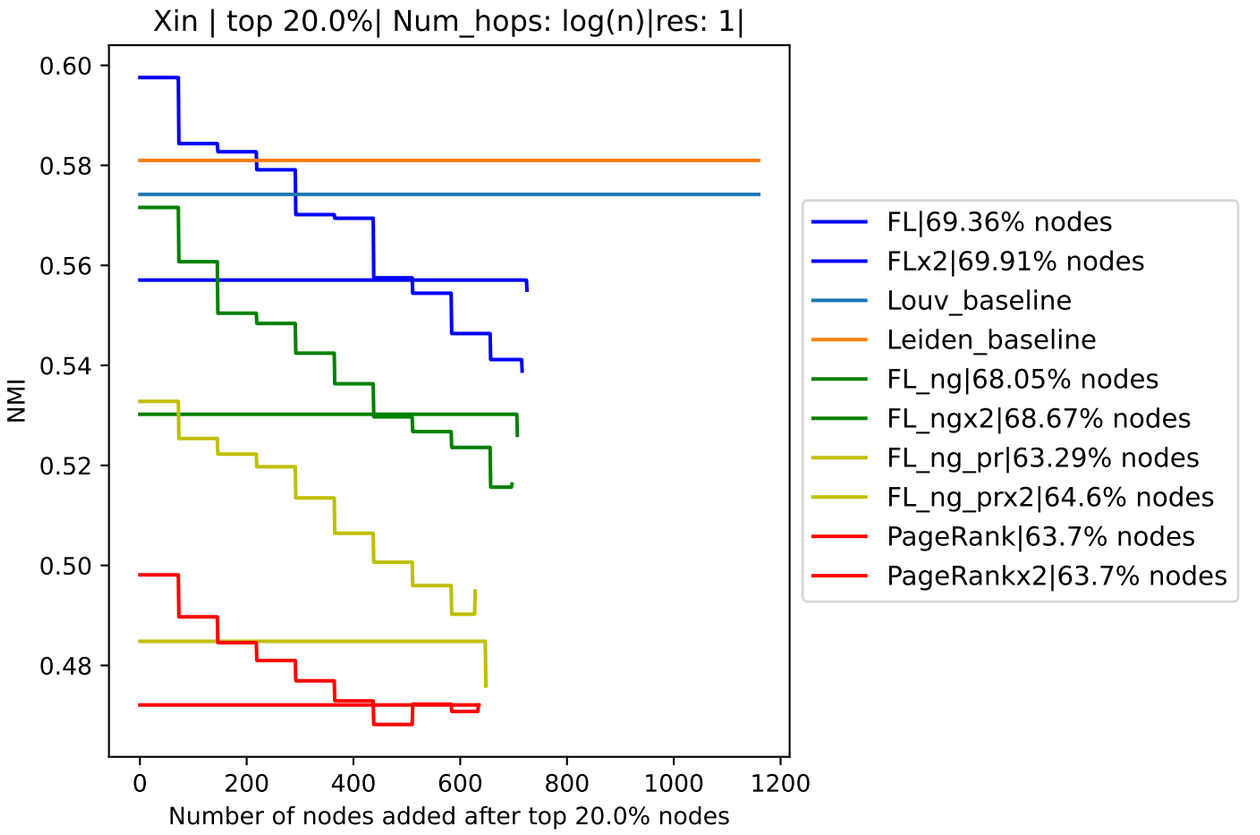


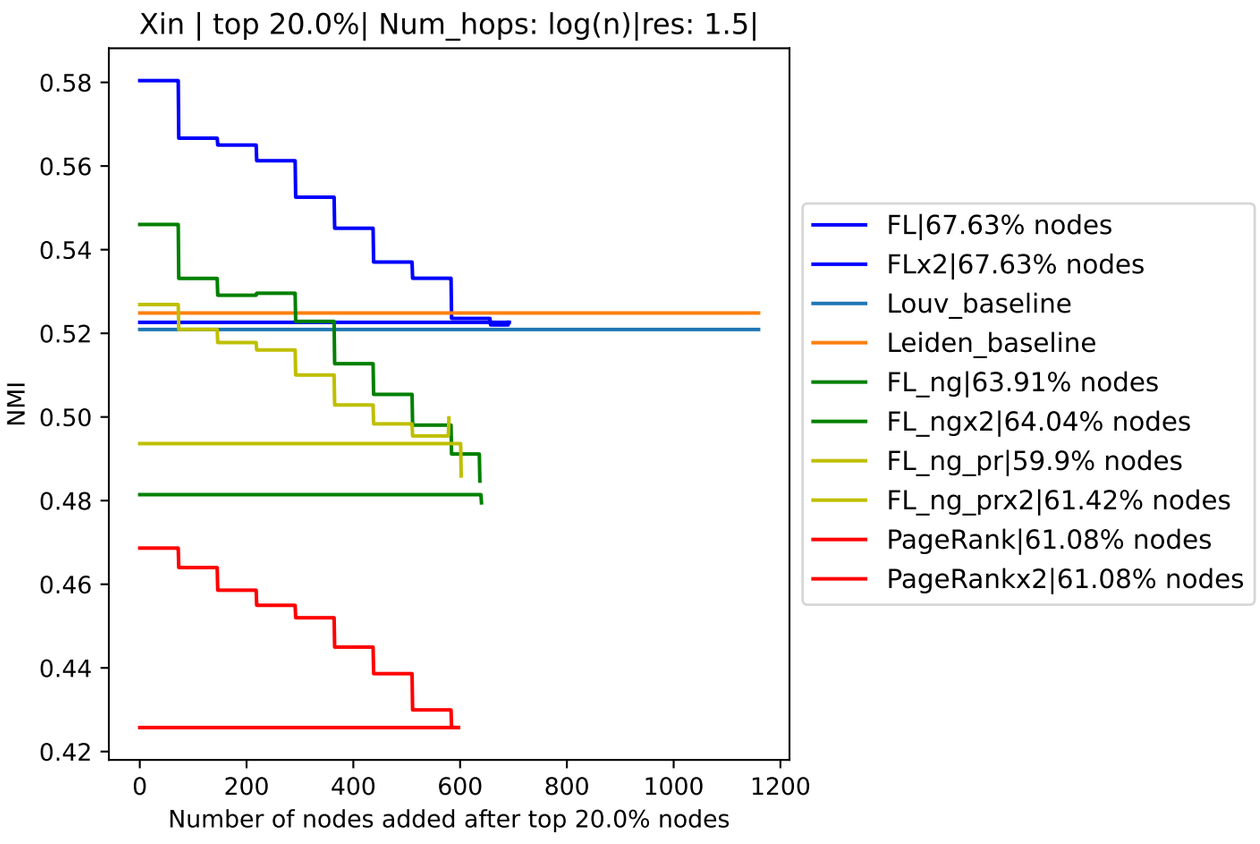

Xin | top 20.0%| Num_hops: log(n)
NMI
Purity
0.9
0.8
0.7
0.6
0.5
0.4
0.92
0.94
0.96
0.98
FL|0.05|95.93%
Lv+Vote+Lv|FL|0.05|95.93%
Louv_baseline|0.05
Leiden_baseline|0.05
FL_ng|0.05|96.0%
Lv+Vote+Lv|FL_ng|0.05|96.0%
FL_ng_pr|0.05|96.0%
Lv+Vote+Lv|FL_ng_pr|0.05|96.0%
PageRank|0.05|92.96%
Lv+Vote+Lv|PageRank|0.05|92.96%
FL|0.25|95.72%
Lv+Vote+Lv|FL|0.25|95.72%
Louv_baseline|0.25
Leiden_baseline|0.25
FL_ng|0.25|93.37%
Lv+Vote+Lv|FL_ng|0.25|93.37%
FL_ng_pr|0.25|86.82%
Lv+Vote+Lv|FL_ng_pr|0.25|86.82%
PageRank|0.25|89.58%
Lv+Vote+Lv|PageRank|0.25|89.58%
FL|0.5|83.78%
Lv+Vote+Lv|FL|0.5|83.78%
Louv_baseline|0.5
Leiden_baseline|0.5
FL_ng|0.5|83.57%
Lv+Vote+Lv|FL_ng|0.5|83.57%
FL_ng_pr|0.5|68.94%
Lv+Vote+Lv|FL_ng_pr|0.5|68.94%
PageRank|0.5|65.22%
Lv+Vote+Lv|PageRank|0.5|65.22%
FL|1|69.36%
Lv+Vote+Lv|FL|1|69.36%
Louv_baseline|1
Leiden_baseline|1
FL_ng|1|68.05%
Lv+Vote+Lv|FL_ng|1|68.05%
FL_ng_pr|1|63.29%
Lv+Vote+Lv|FL_ng_pr|1|63.29%
PageRank|1|63.7%
Lv+Vote+Lv|PageRank|1|63.7%
FL|1.5|67.63%
Lv+Vote+Lv|FL|1.5|67.63%
Louv_baseline|1.5
Leiden_baseline|1.5
FL_ng|1.5|63.91%
Lv+Vote+Lv|FL_ng|1.5|63.91%
FL_ng_pr|1.5|59.9%
Lv+Vote+Lv|FL_ng_pr|1.5|59.9%
PageRank|1.5|61.08%
Lv+Vote+Lv|PageRank|1.5|61.08%
FL|5|46.79%
Lv+Vote+Lv|FL|5|46.79%
Louv_baseline|5
Leiden_baseline|5
FL_ng|5|52.1%
Lv+Vote+Lv|FL_ng|5|52.1%
FL_ng_pr|5|47.27%
Lv+Vote+Lv|FL_ng_pr|5|47.27%
PageRank|5|44.65%
Lv+Vote+Lv|PageRank|5|44.65%

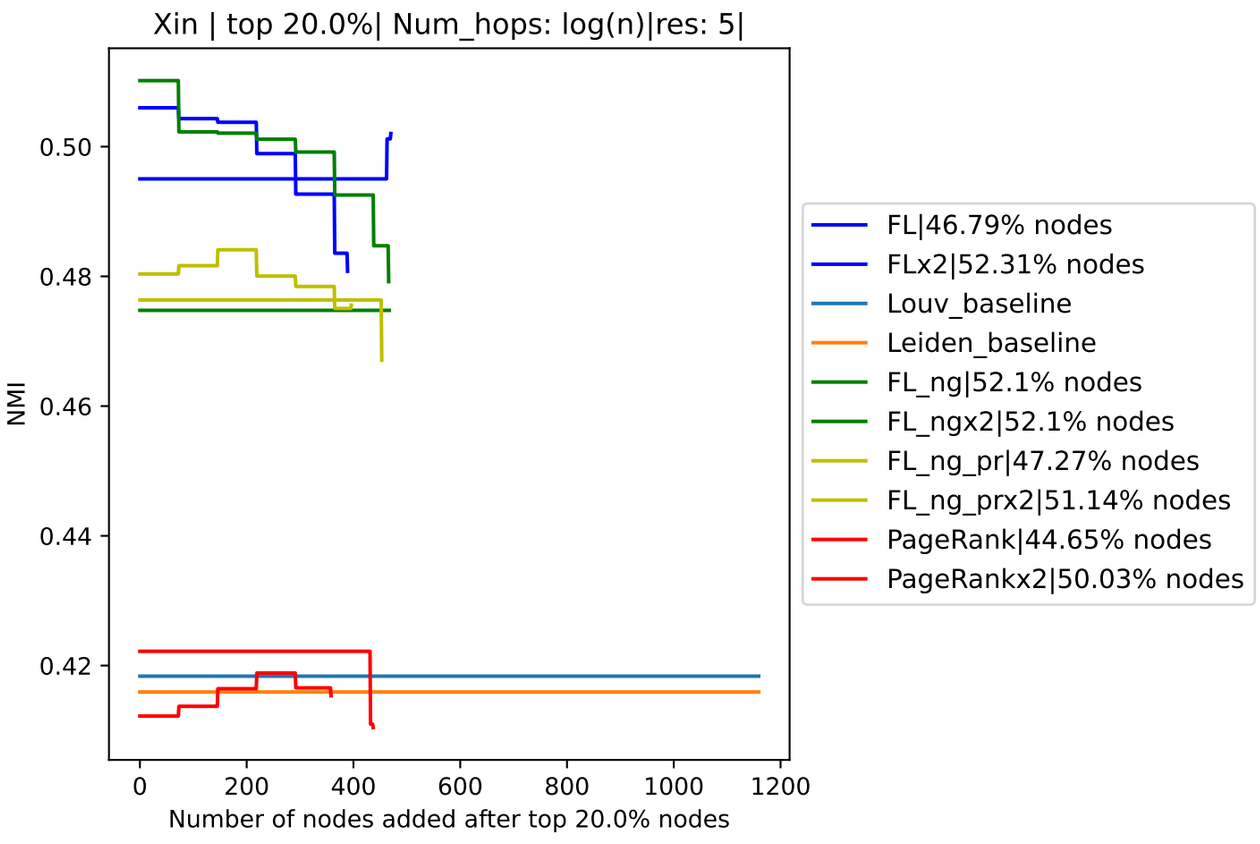

Xin | top 20.0%| Num_hops: log(n)|res: 0.05|
NMI
Number of nodes added after top 20.0% nodes
FL|95.93% nodes
FLx2|98.21% nodes
Louv_baseline
Leiden_baseline
FL_ng|96.0% nodes
FL_ngx2|100.0% nodes
FL_ng_pr|96.0% nodes
FL_ng_prx2|98.07% nodes
PageRank|92.96% nodes
PageRankx2|97.79% nodes

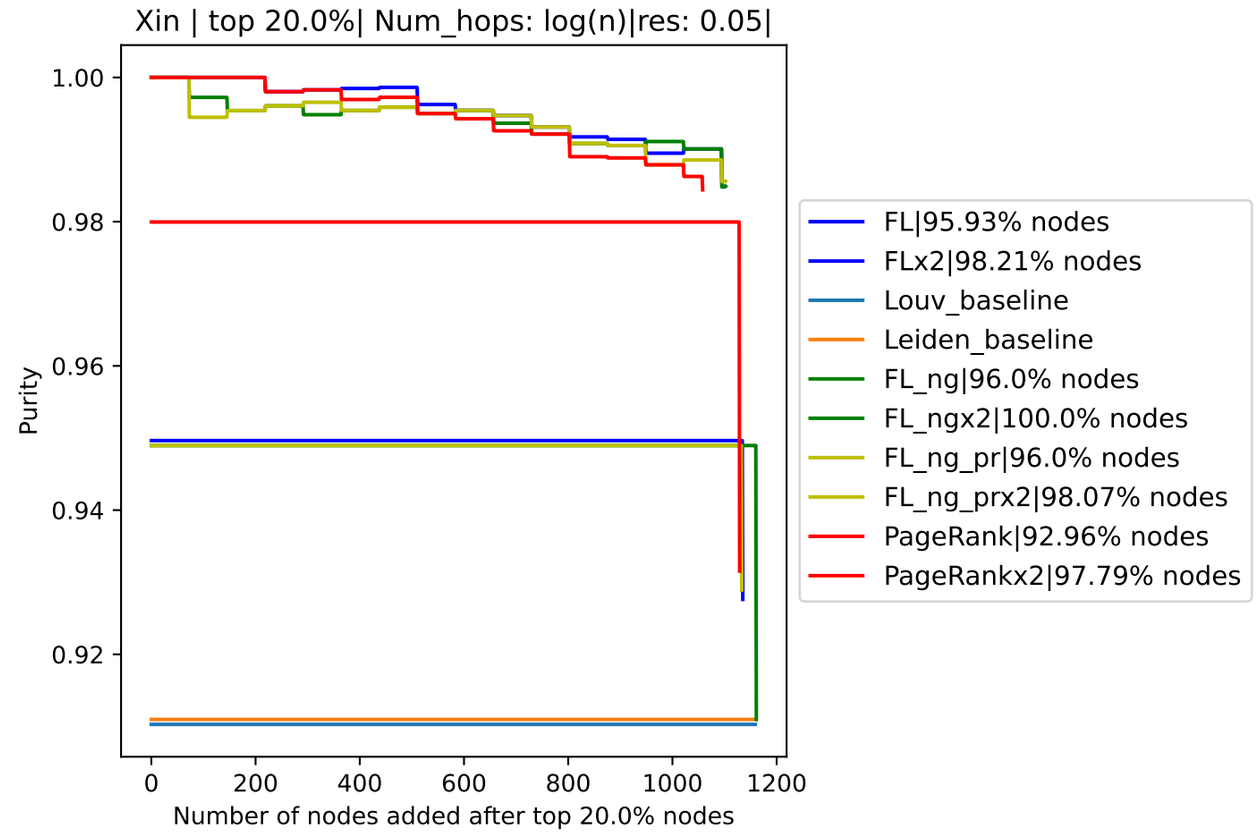

Xin | top 20.0%| Num_hops: log(n)|res: 0.25|
NMI
Number of nodes added after top 20.0% nodes
FL|95.72% nodes
FLx2|95.79% nodes
Louv_baseline
Leiden_baseline
FL_ng|93.37% nodes
FL_ngx2|98.96% nodes
FL_ng_pr|86.82% nodes
FL_ng_prx2|97.1% nodes
PageRank|89.58% nodes
PageRankx2|97.31% nodes

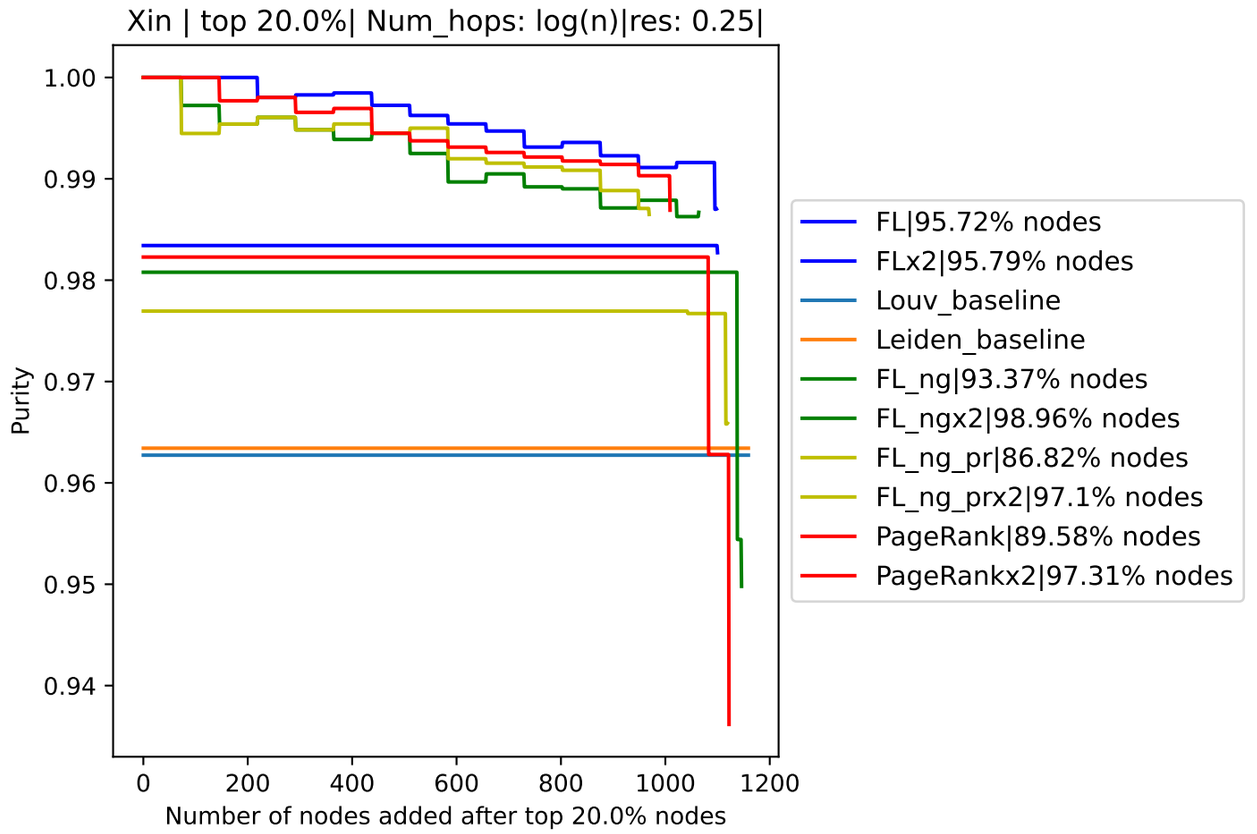

Xin | top 20.0%| Num_hops: log(n)|res: 0.5|
NMI
Number of nodes added after top 20.0% nodes
FL|83.78% nodes
FLx2|86.68% nodes
Louv_baseline
Leiden_baseline
FL_ng|83.57% nodes
FL_ngx2|87.37% nodes
FL_ng_pr|68.94% nodes
FL_ng_prx2|76.95% nodes
PageRank|65.22% nodes
PageRankx2|65.22% nodes

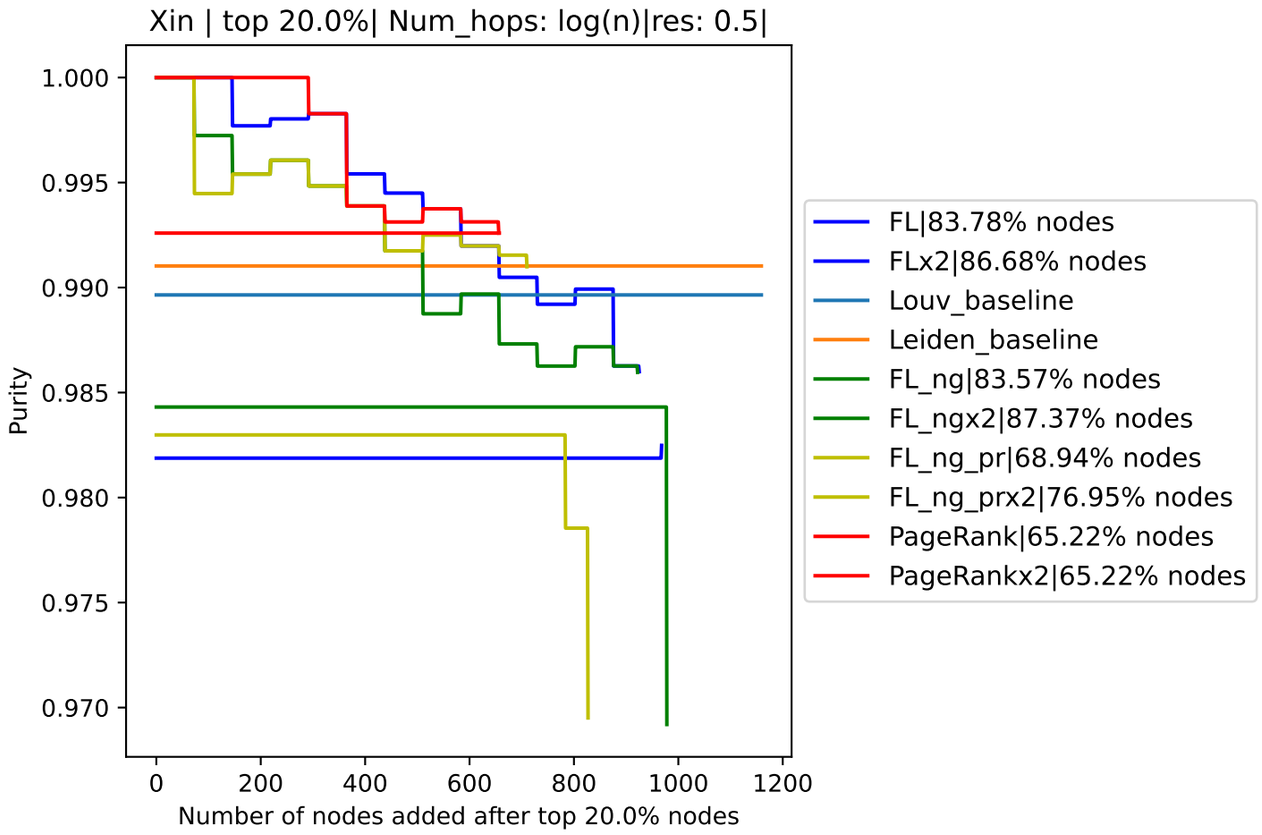

Xin | top 20.0%| Num_hops: log(n)|res: 1|
NMI
Number of nodes added after top 20.0% nodes
FL|69.36% nodes
FLx2|69.91% nodes
Louv_baseline
Leiden_baseline
FL_ng|68.05% nodes
FL_ngx2|68.67% nodes
FL_ng_pr|63.29% nodes
FL_ng_prx2|64.6% nodes
PageRank|63.7% nodes
PageRankx2|63.7% nodes

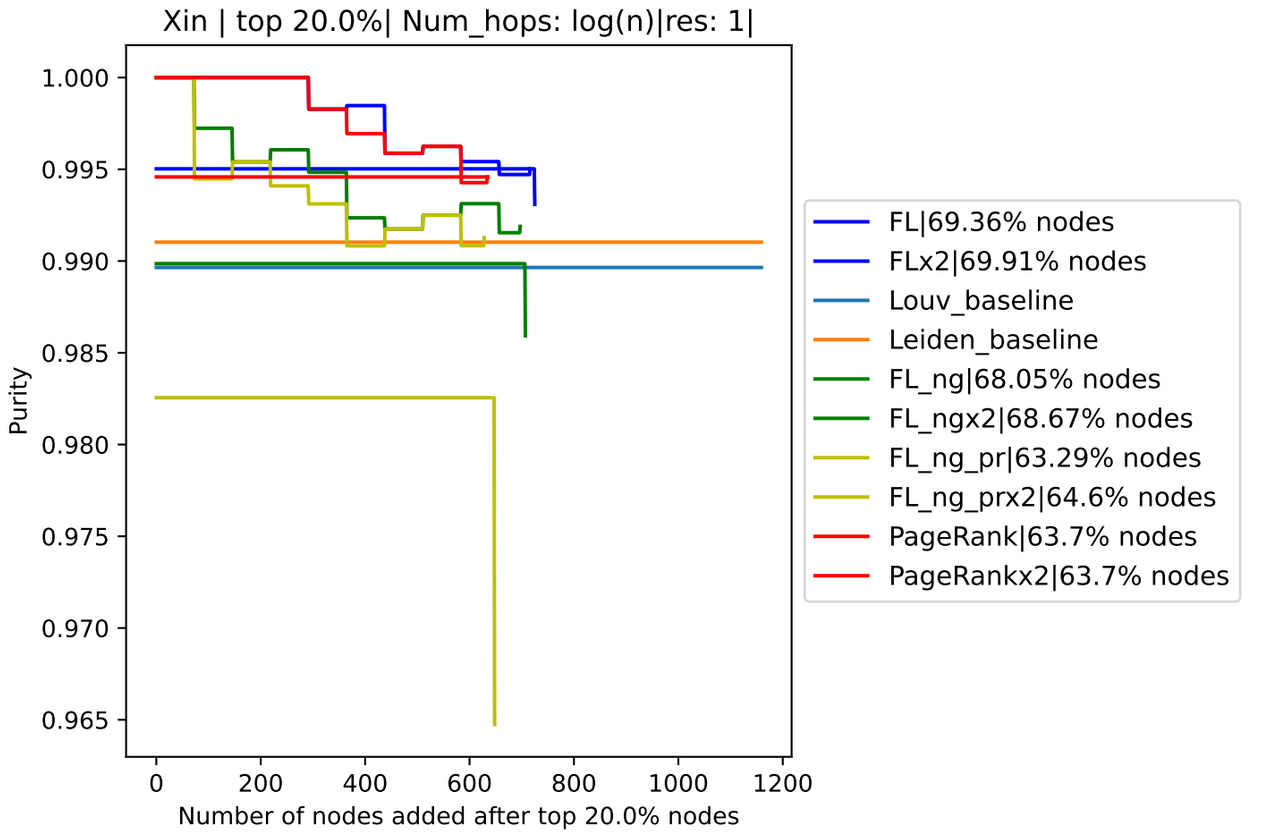

Xin | top 20.0%| Num_hops: log(n)|res: 1.5|
NMI
Number of nodes added after top 20.0% nodes
FL|67.63% nodes
FLx2|67.63% nodes
Louv_baseline
Leiden_baseline
FL_ng|63.91% nodes
FL_ngx2|64.04% nodes
FL_ng_pr|59.9% nodes
FL_ng_prx2|61.42% nodes
PageRank|61.08% nodes
PageRankx2|61.08% nodes

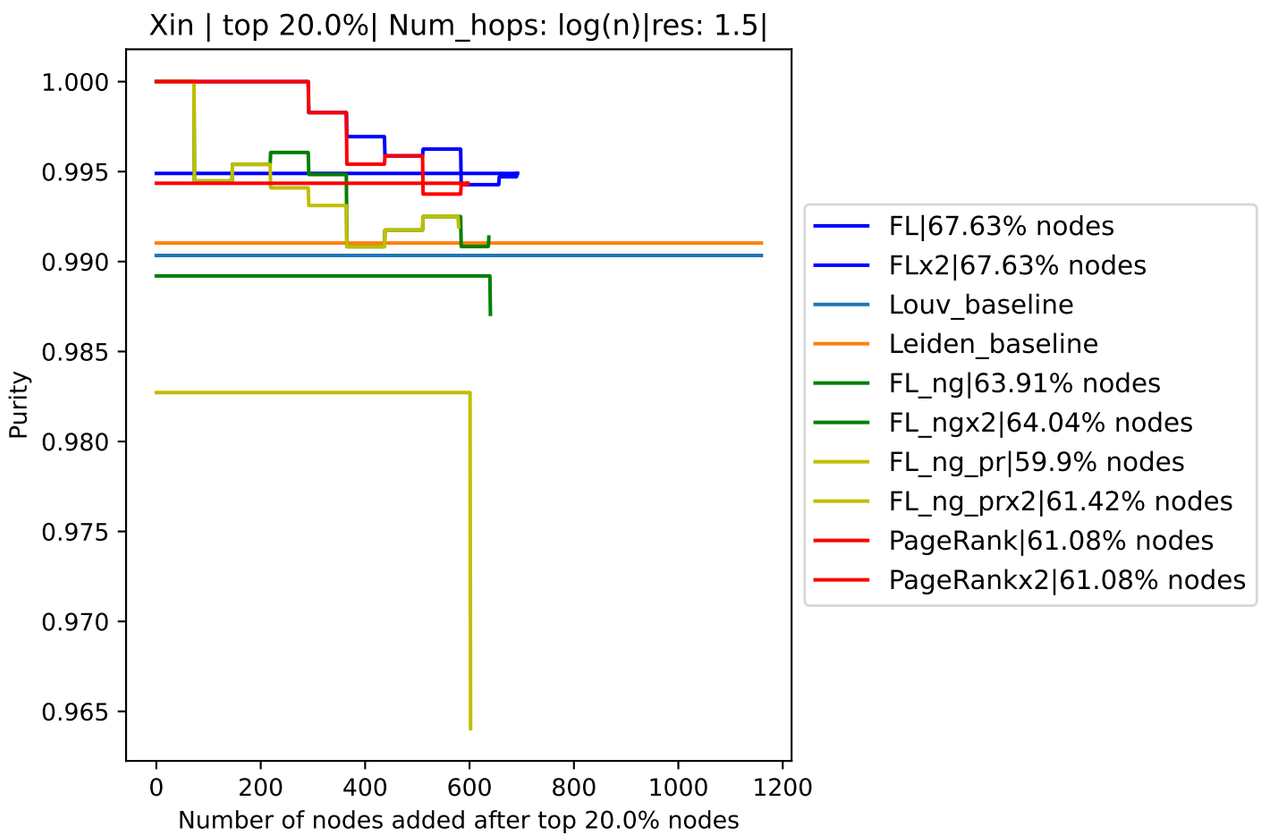

Xin | top 20.0%| Num_hops: log(n)|res: 5|
NMI
Number of nodes added after top 20.0% nodes
FL|46.79% nodes
FLx2|52.31% nodes
Louv_baseline
Leiden_baseline
FL_ng|52.1% nodes
FL_ngx2|52.1% nodes
FL_ng_pr|47.27% nodes
FL_ng_prx2|51.14% nodes
PageRank|44.65% nodes
PageRankx2|50.03% nodes

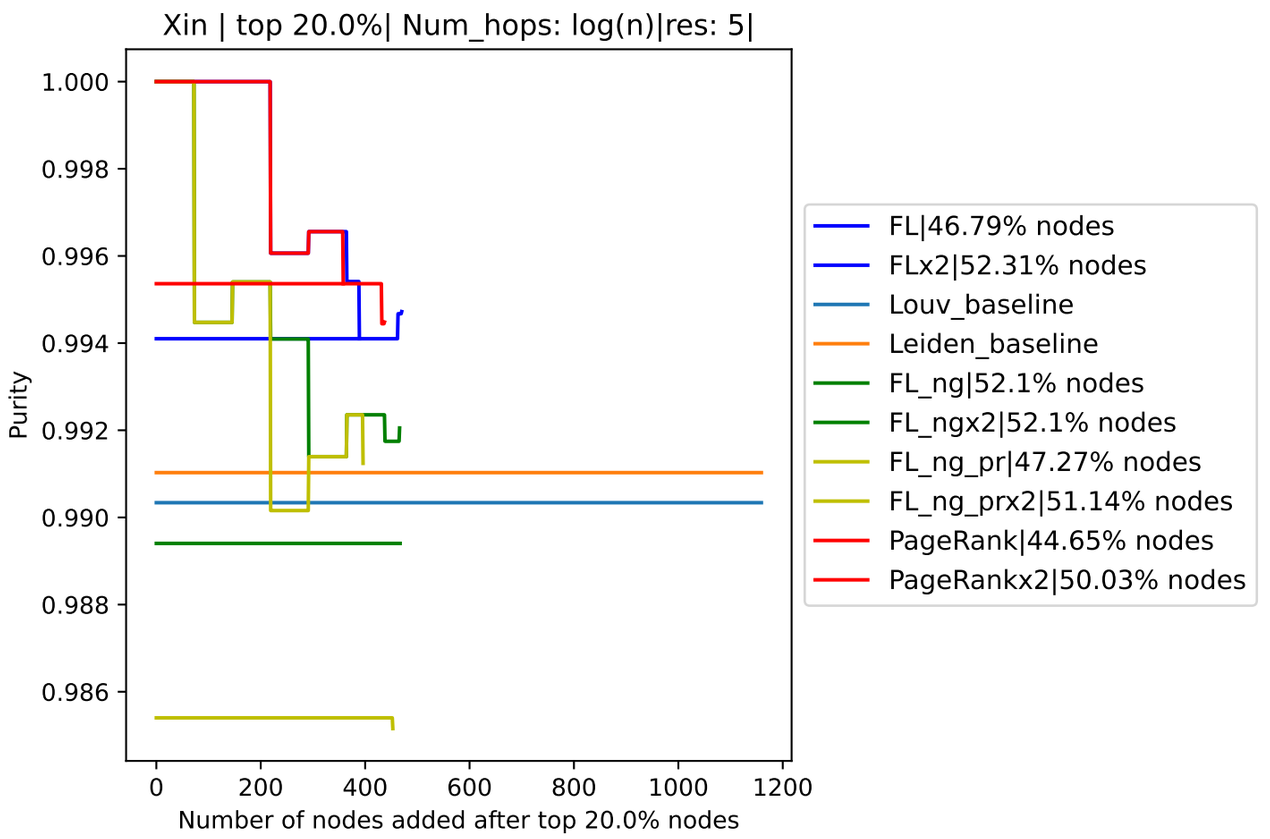

Xin | top 20.0%| Num_hops: log(n)|res: 0.05|
Purity
Number of nodes added after top 20.0% nodes
FL|95.93% nodes
FLx2|98.21% nodes
Louv_baseline
Leiden_baseline
FL_ng|96.0% nodes
FL_ngx2|100.0% nodes
FL_ng_pr|96.0% nodes
FL_ng_prx2|98.07% nodes
PageRank|92.96% nodes
PageRankx2|97.79% nodes


Xin | top 20.0%| Num_hops: log(n)|res: 0.25|
Purity
Number of nodes added after top 20.0% nodes
FL|95.72% nodes
FLx2|95.79% nodes
Louv_baseline
Leiden_baseline
FL_ng|93.37% nodes
FL_ngx2|98.96% nodes
FL_ng_pr|86.82% nodes
FL_ng_prx2|97.1% nodes
PageRank|89.58% nodes
PageRankx2|97.31% nodes

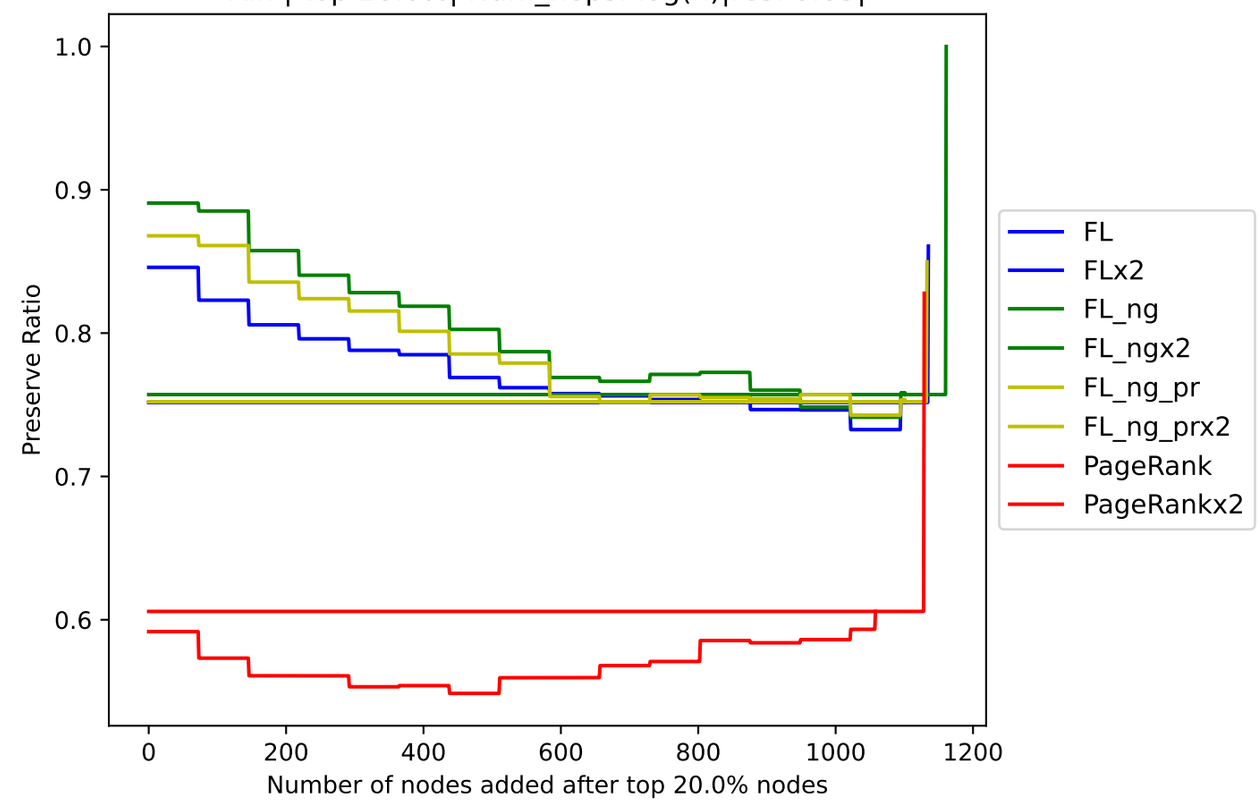

Xin | top 20.0%| Num_hops: log(n)|res: 0.5|
Purity
Number of nodes added after top 20.0% nodes
FL|83.78% nodes
FLx2|86.68% nodes
Louv_baseline
Leiden_baseline
FL_ng|83.57% nodes
FL_ngx2|87.37% nodes
FL_ng_pr|68.94% nodes
FL_ng_prx2|76.95% nodes
PageRank|65.22% nodes
PageRankx2|65.22% nodes


Xin | top 20.0%| Num_hops: log(n)|res: 1|
Purity
Number of nodes added after top 20.0% nodes
FL|69.36% nodes
FLx2|69.91% nodes
Louv_baseline
Leiden_baseline
FL_ng|68.05% nodes
FL_ngx2|68.67% nodes
FL_ng_pr|63.29% nodes
FL_ng_prx2|64.6% nodes
PageRank|63.7% nodes
PageRankx2|63.7% nodes

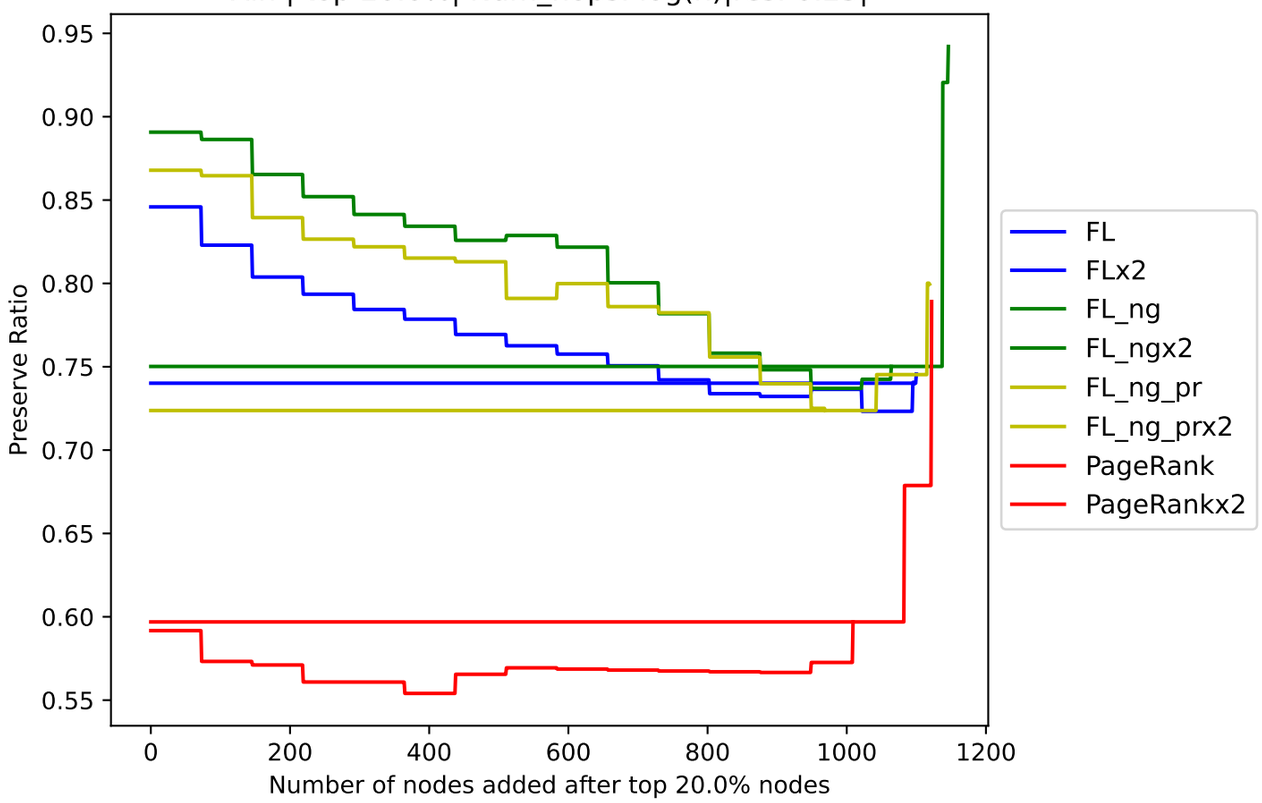

Xin | top 20.0%| Num_hops: log(n)|res: 1.5|
Purity
Number of nodes added after top 20.0% nodes
FL|67.63% nodes
FLx2|67.63% nodes
Louv_baseline
Leiden_baseline
FL_ng|63.91% nodes
FL_ngx2|64.04% nodes
FL_ng_pr|59.9% nodes
FL_ng_prx2|61.42% nodes
PageRank|61.08% nodes
PageRankx2|61.08% nodes


Xin | top 20.0%| Num_hops: log(n)|res: 5|
Purity
Number of nodes added after top 20.0% nodes
FL|46.79% nodes
FLx2|52.31% nodes
Louv_baseline
Leiden_baseline
FL_ng|52.1% nodes
FL_ngx2|52.1% nodes
FL_ng_pr|47.27% nodes
FL_ng_prx2|51.14% nodes
PageRank|44.65% nodes
PageRankx2|50.03% nodes

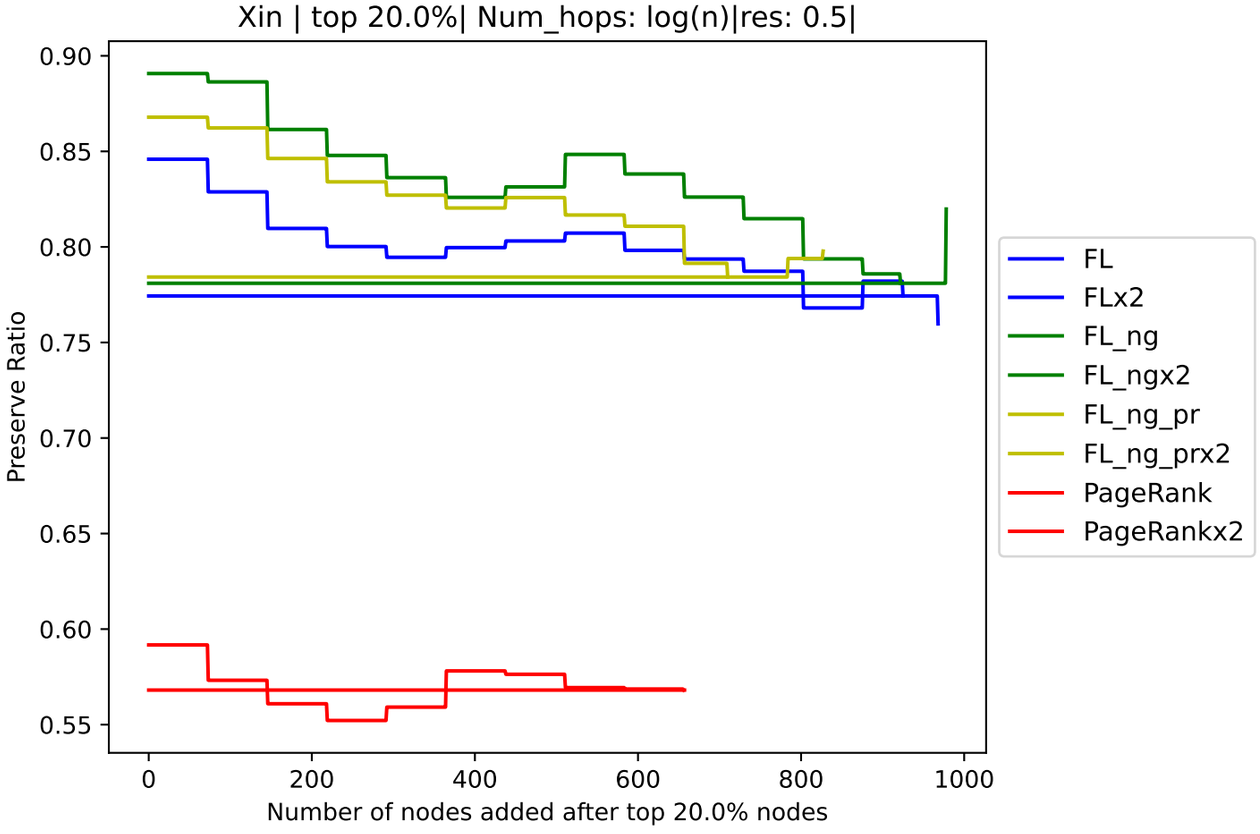
Xin | top 20.0%| Num_hops: log(n)|res: 0.05|



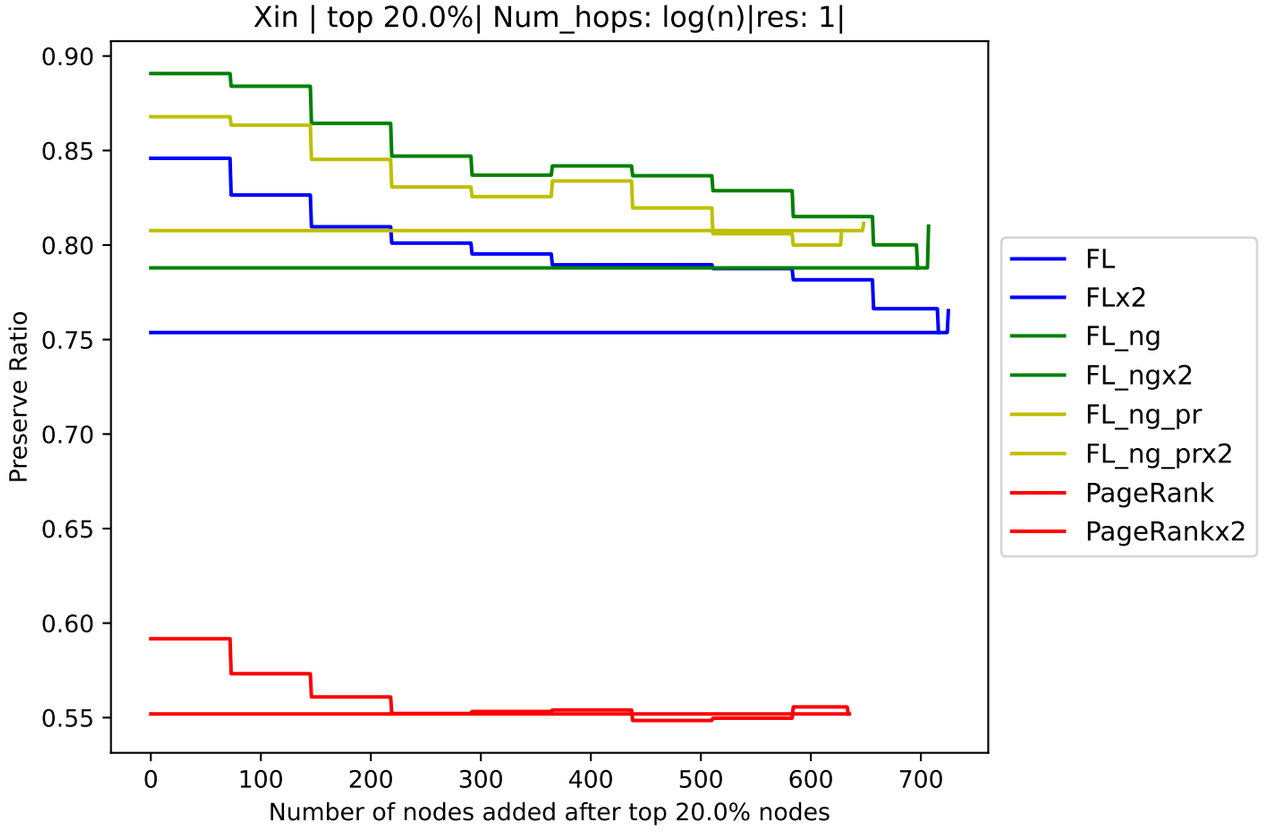
Xin | top 20.0%| Num_hops: log(n)|res: 0.25|



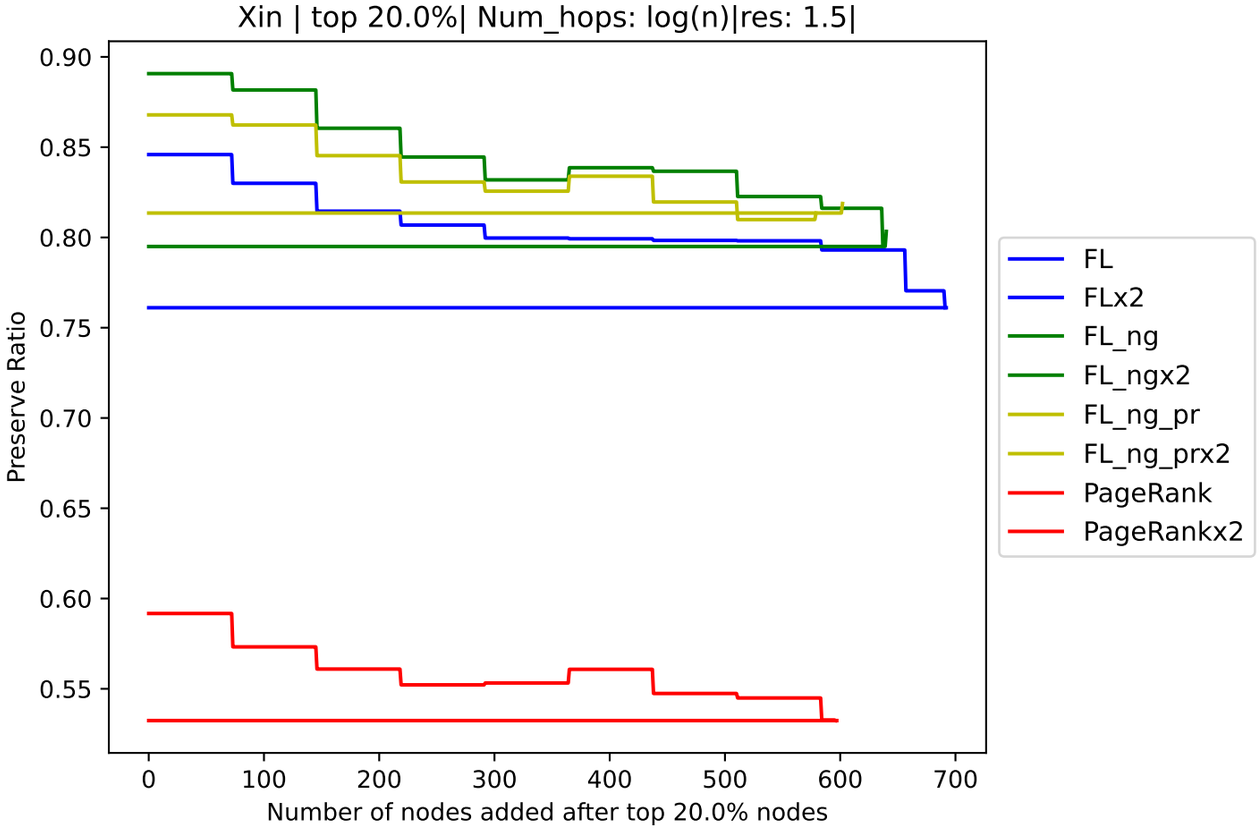
Xin | top 20.0%| Num_hops: log(n)|res: 0.5|



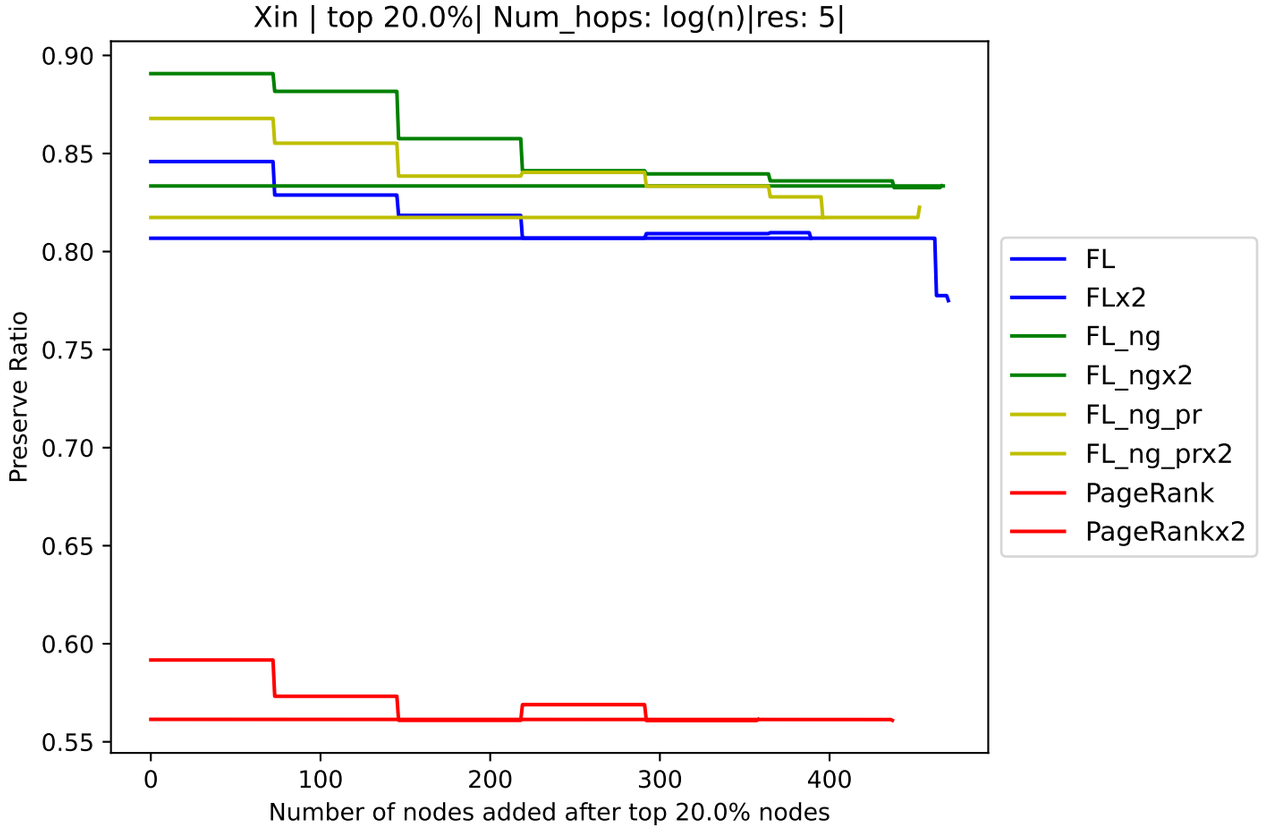
Xin | top 20.0%| Num_hops: log(n)|res: 1|

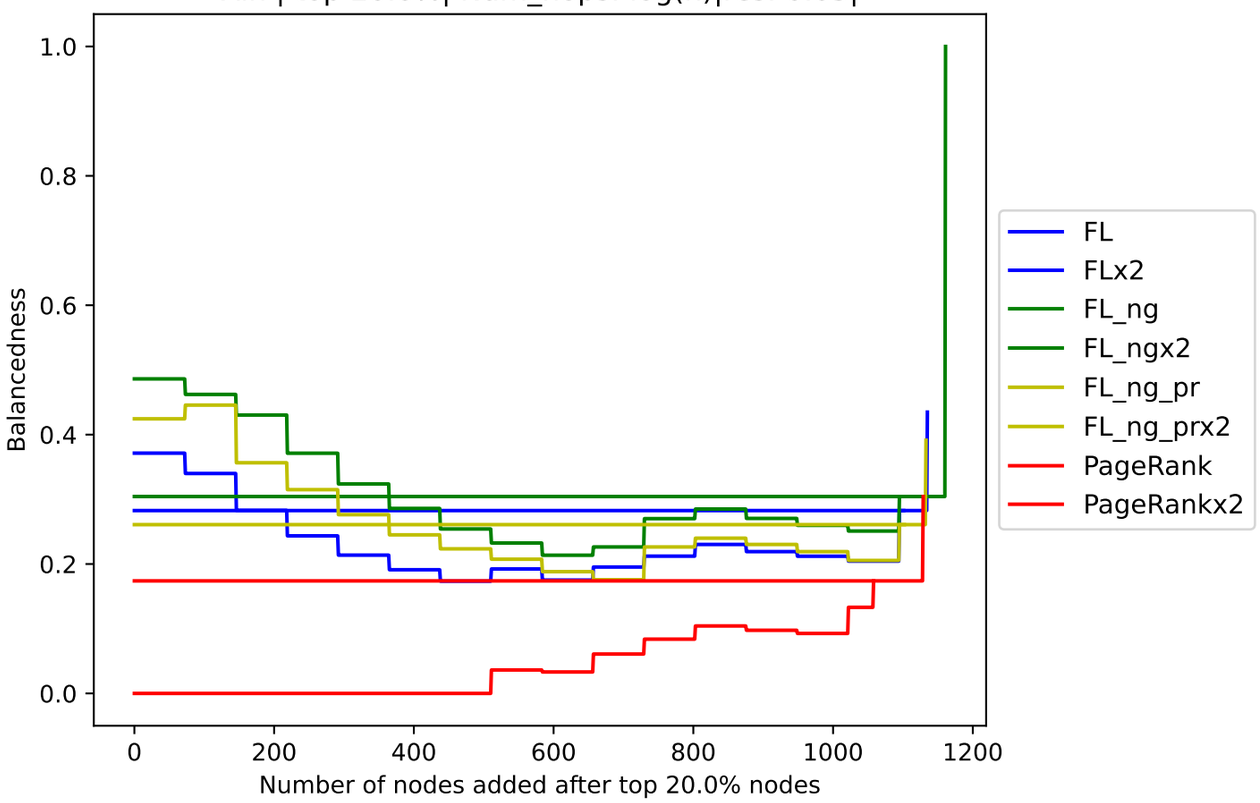


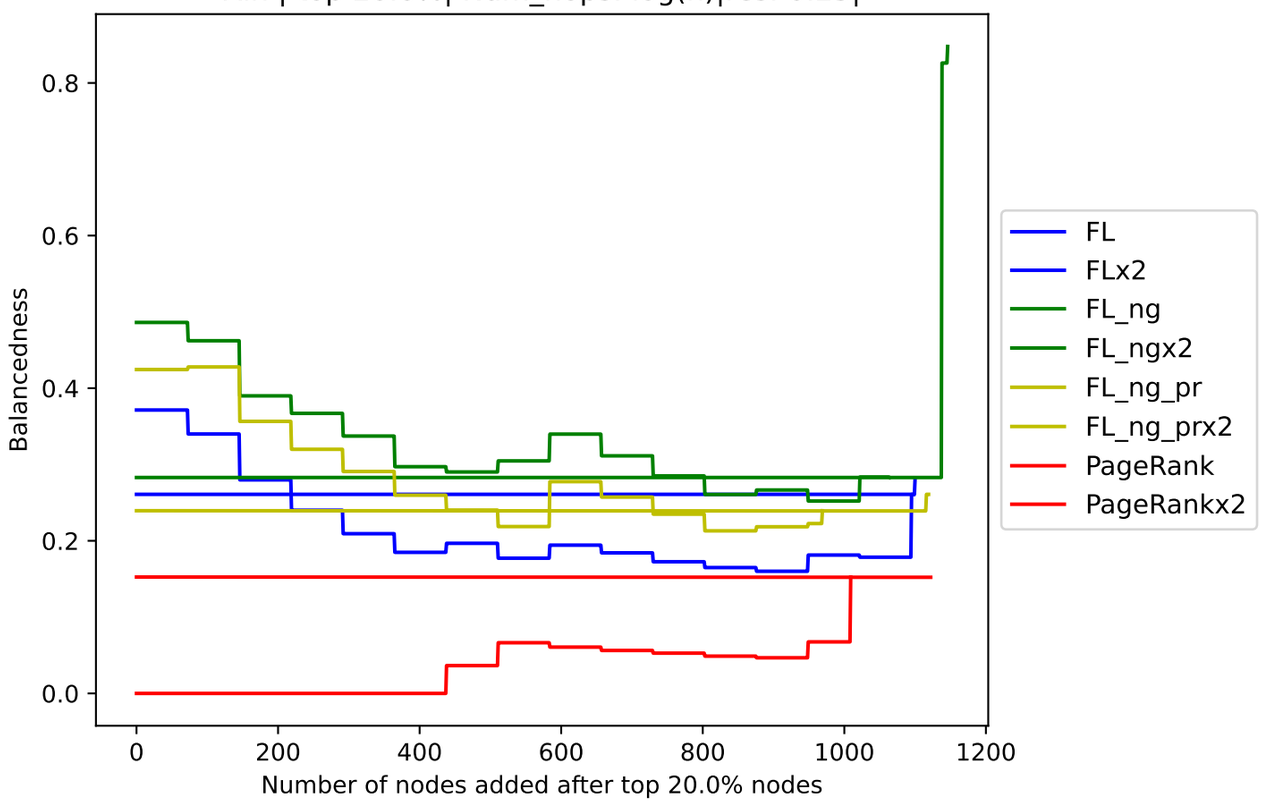
Xin | top 20.0%| Num_hops: log(n)|res: 1.5|

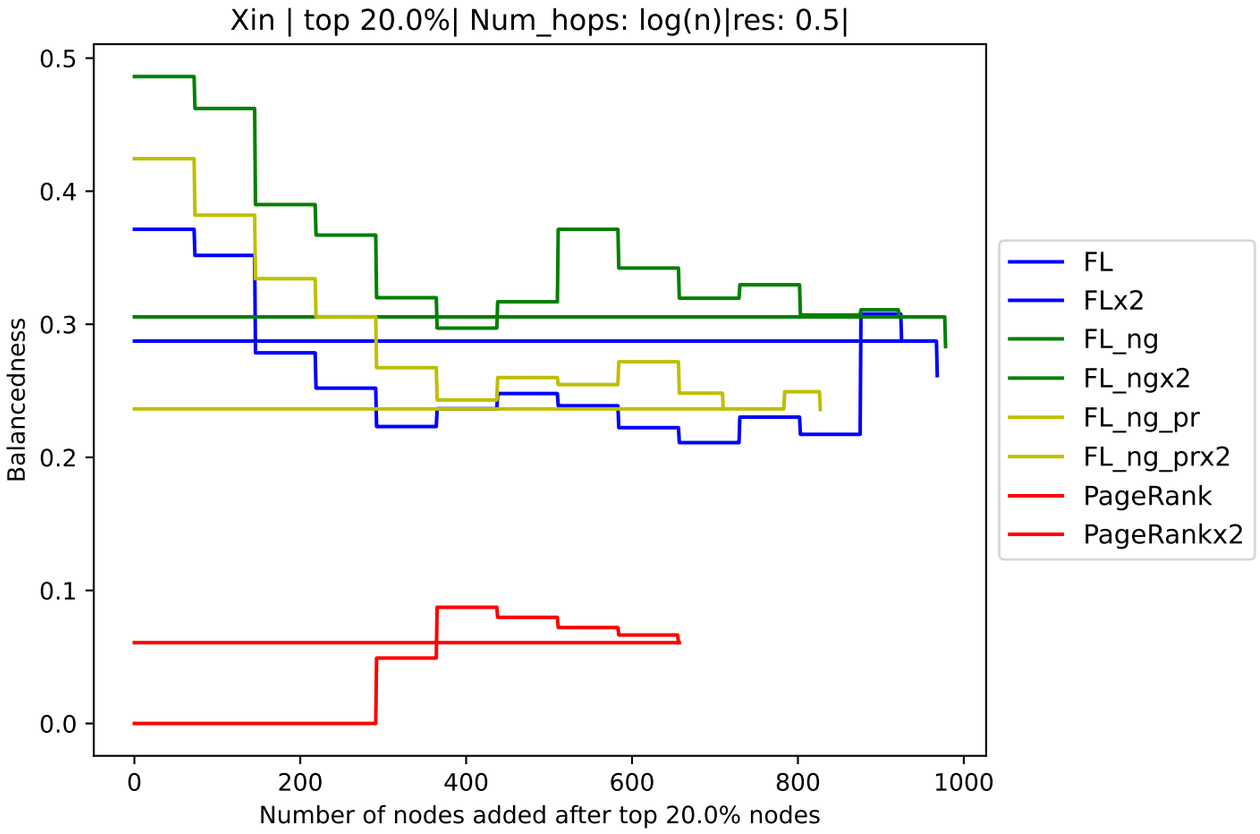


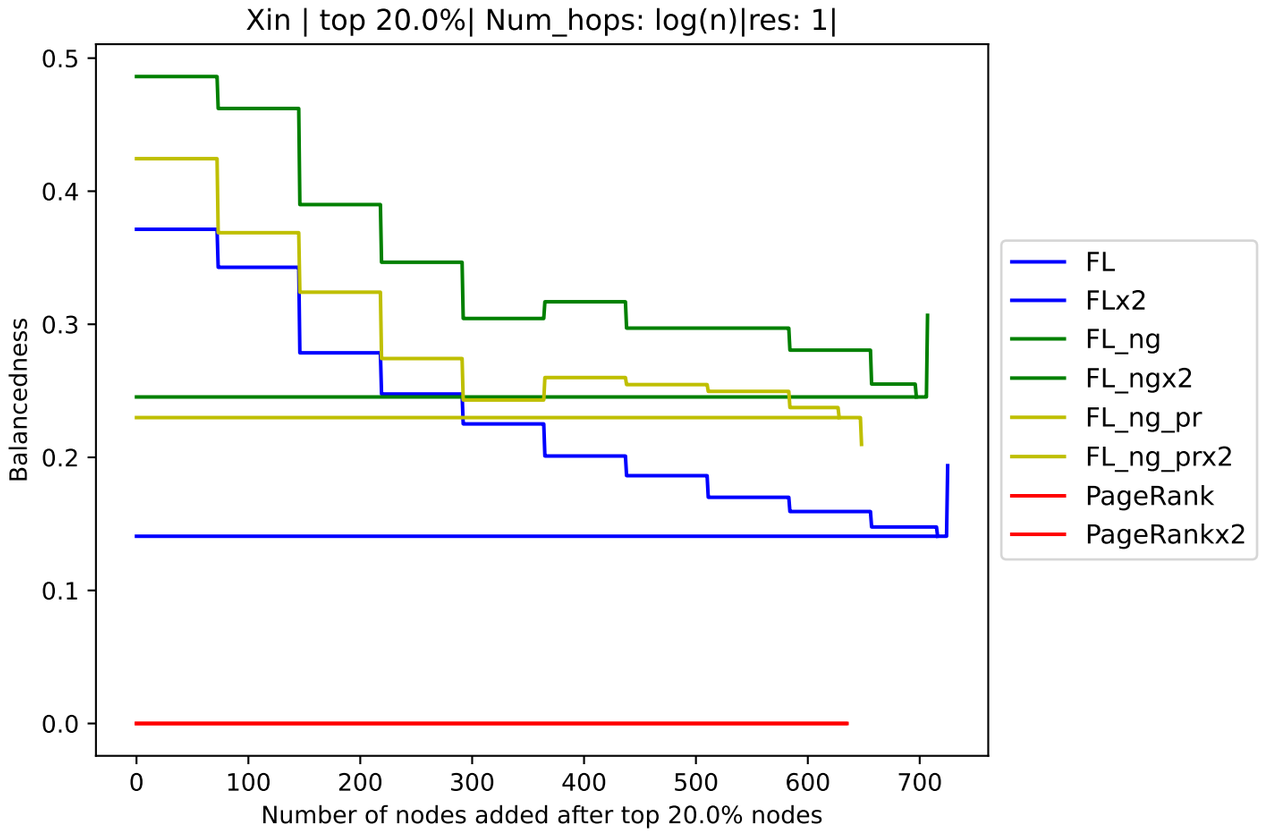
Xin | top 20.0%| Num_hops: log(n)|res: 5|

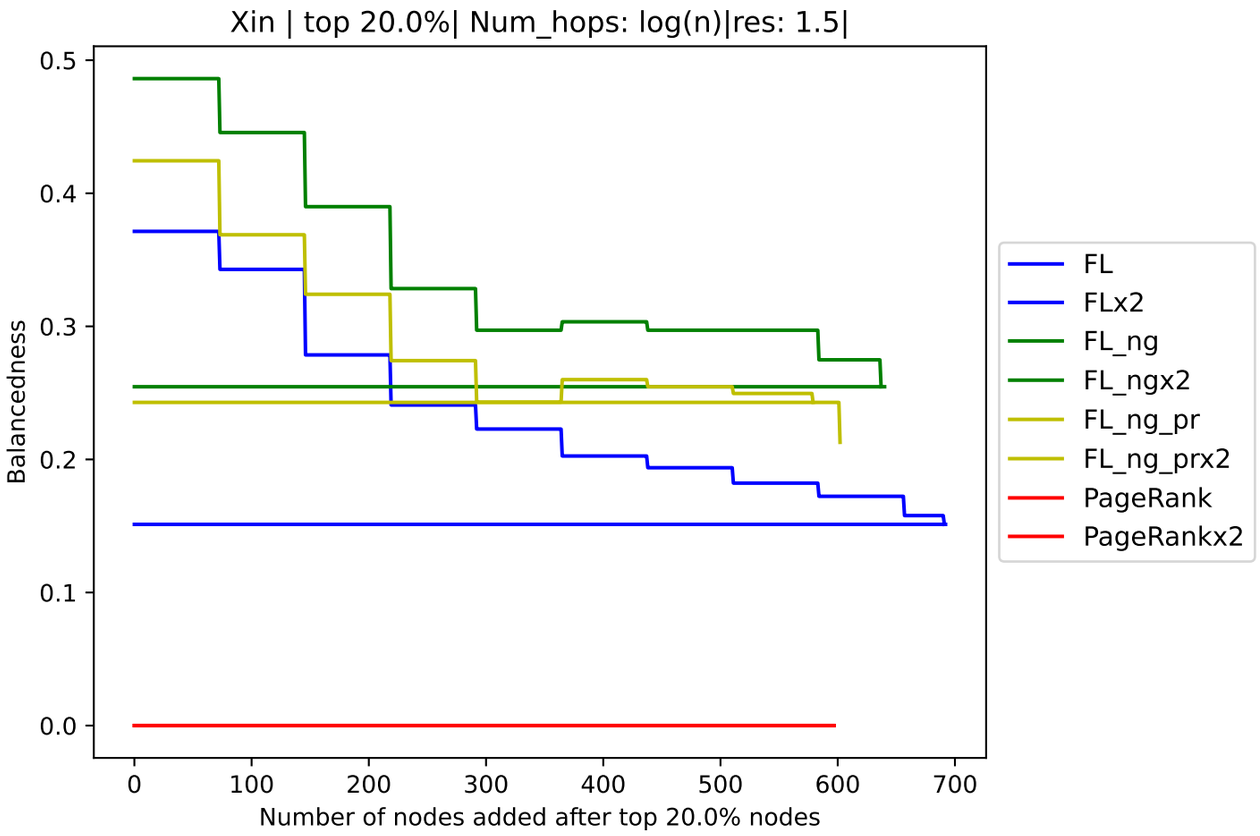


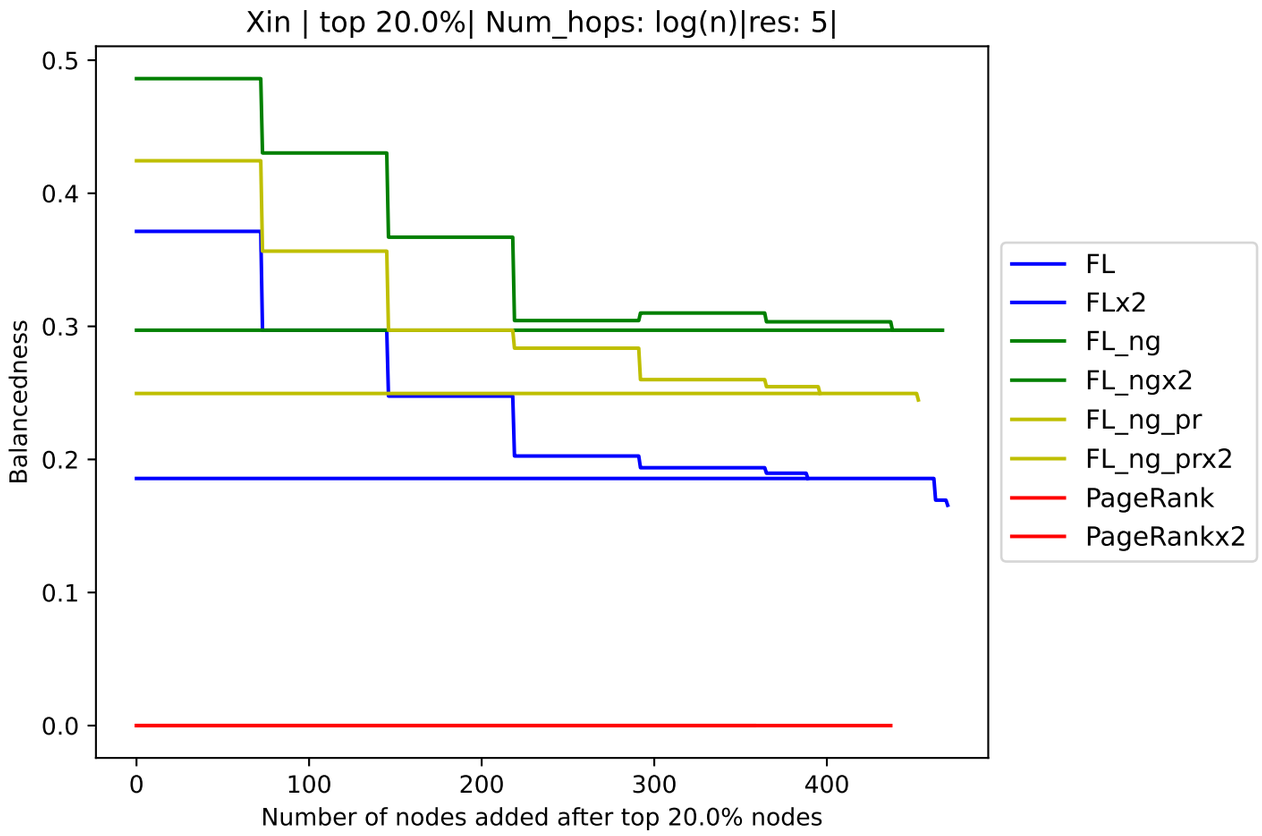

Xin | top 20.0%| Num_hops: log(n)|res: 0.05|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

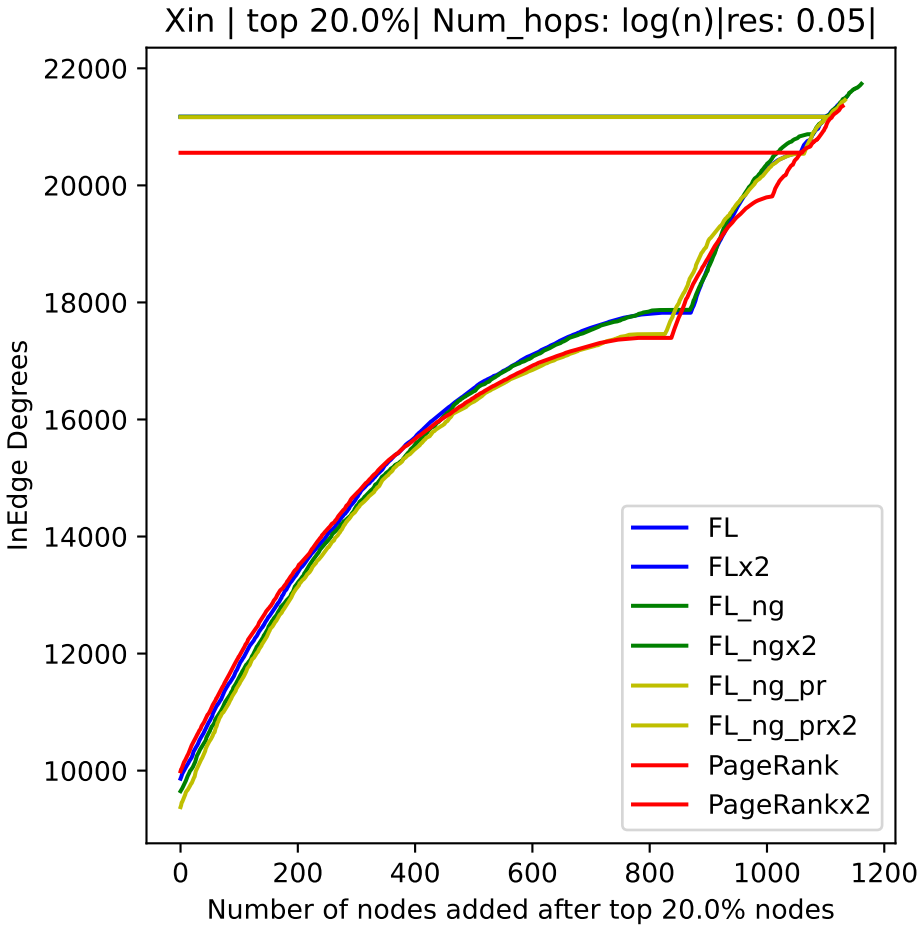

Xin | top 20.0%| Num_hops: log(n)|res: 0.25|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

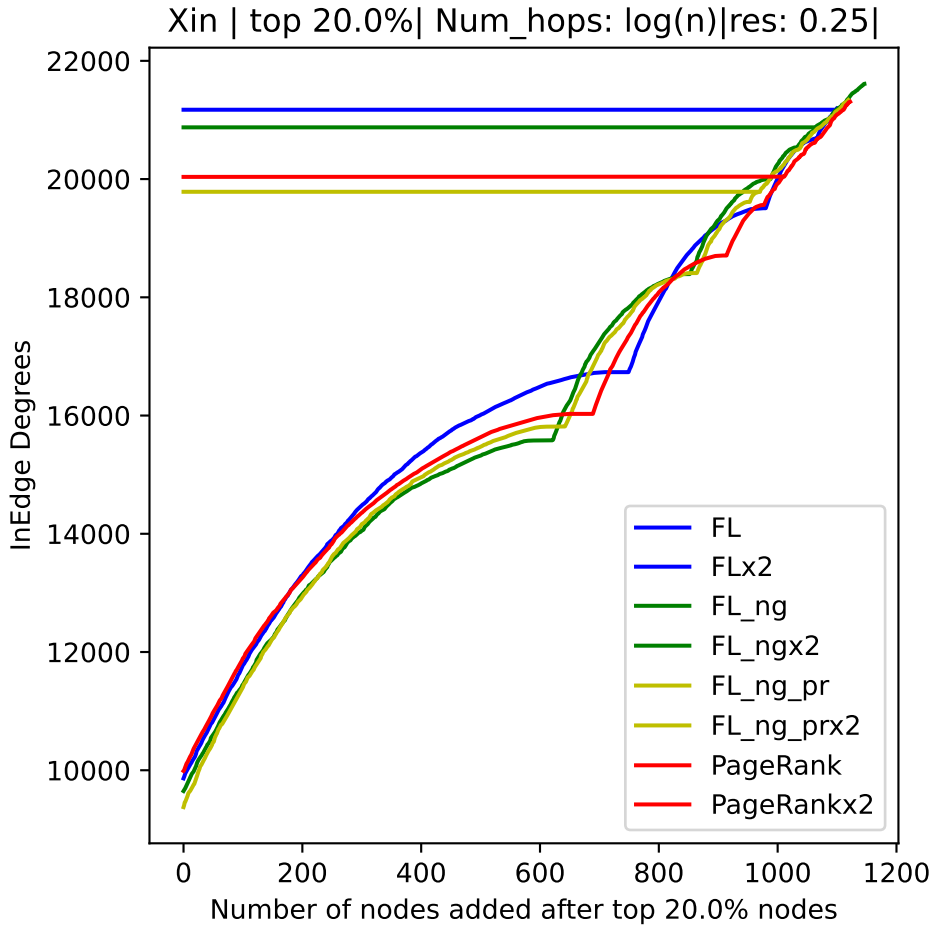

Xin | top 20.0%| Num_hops: log(n)|res: 0.5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

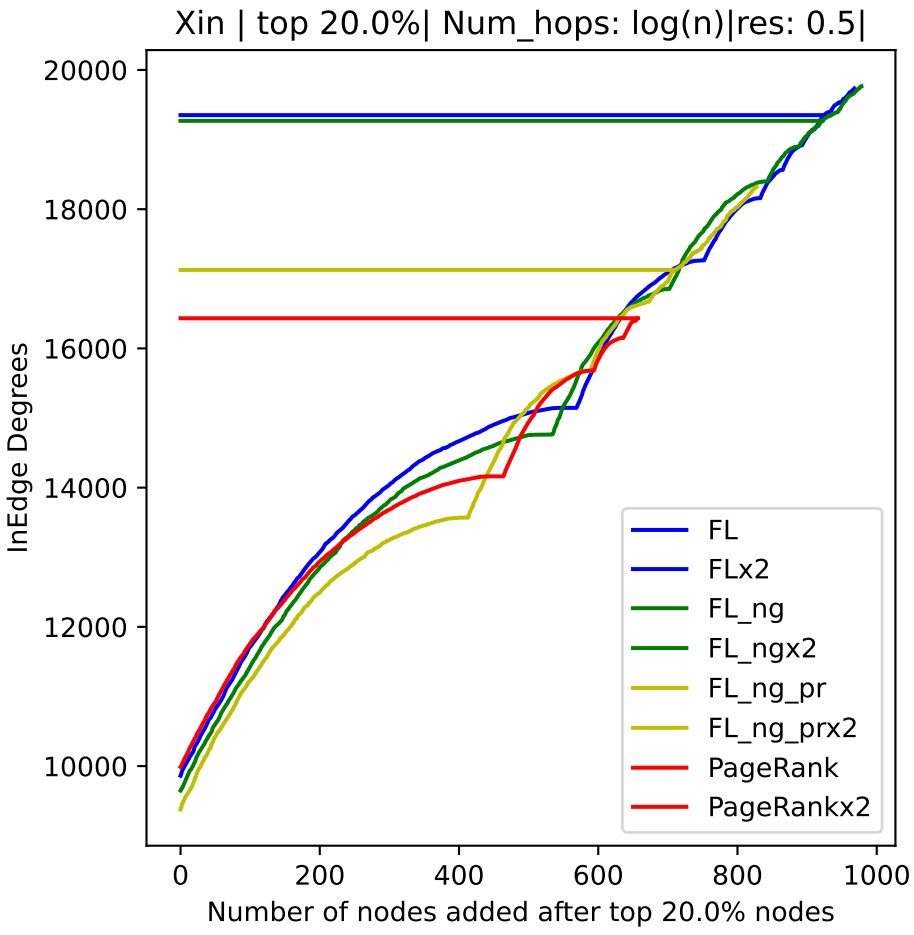

Xin | top 20.0%| Num_hops: log(n)|res: 1|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

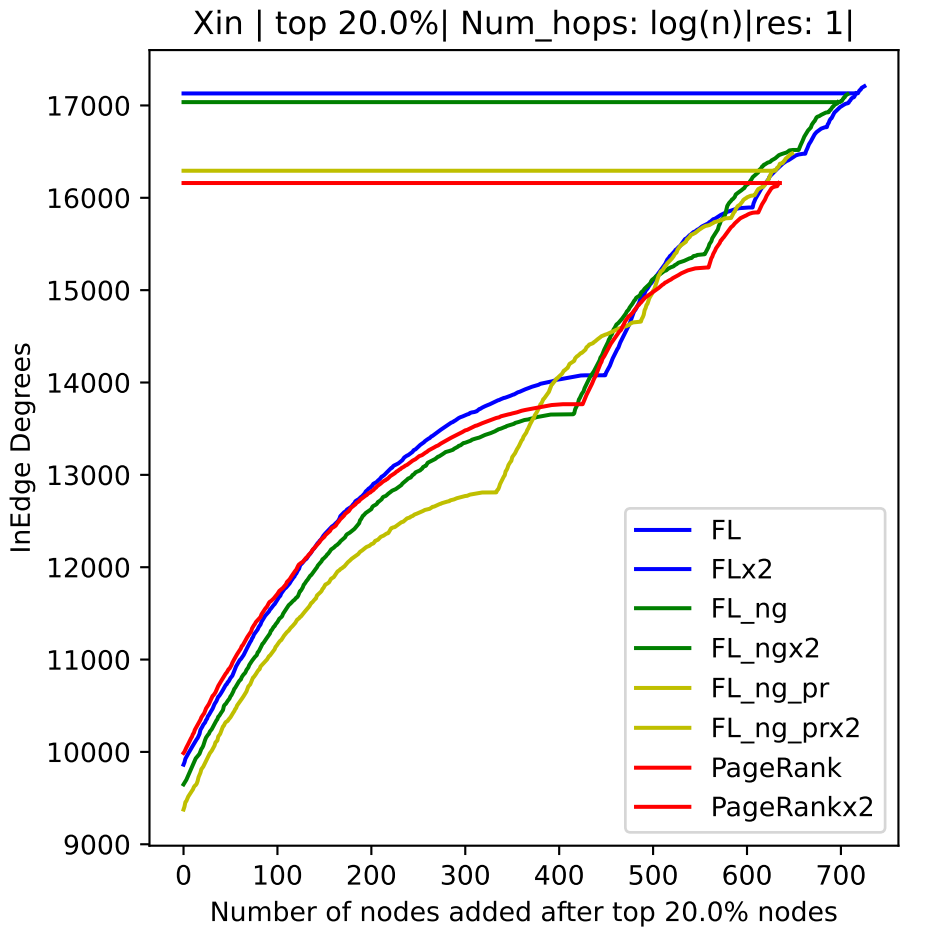

Xin | top 20.0%| Num_hops: log(n)|res: 1.5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

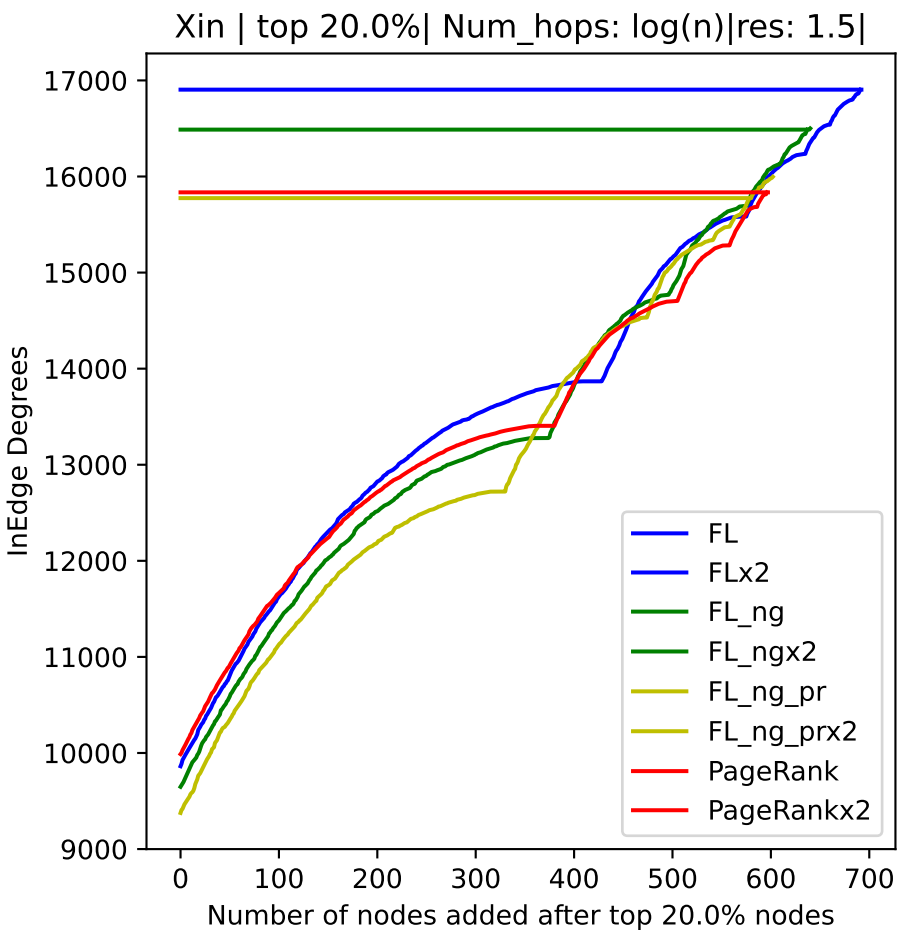

Xin | top 20.0%| Num_hops: log(n)|res: 5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

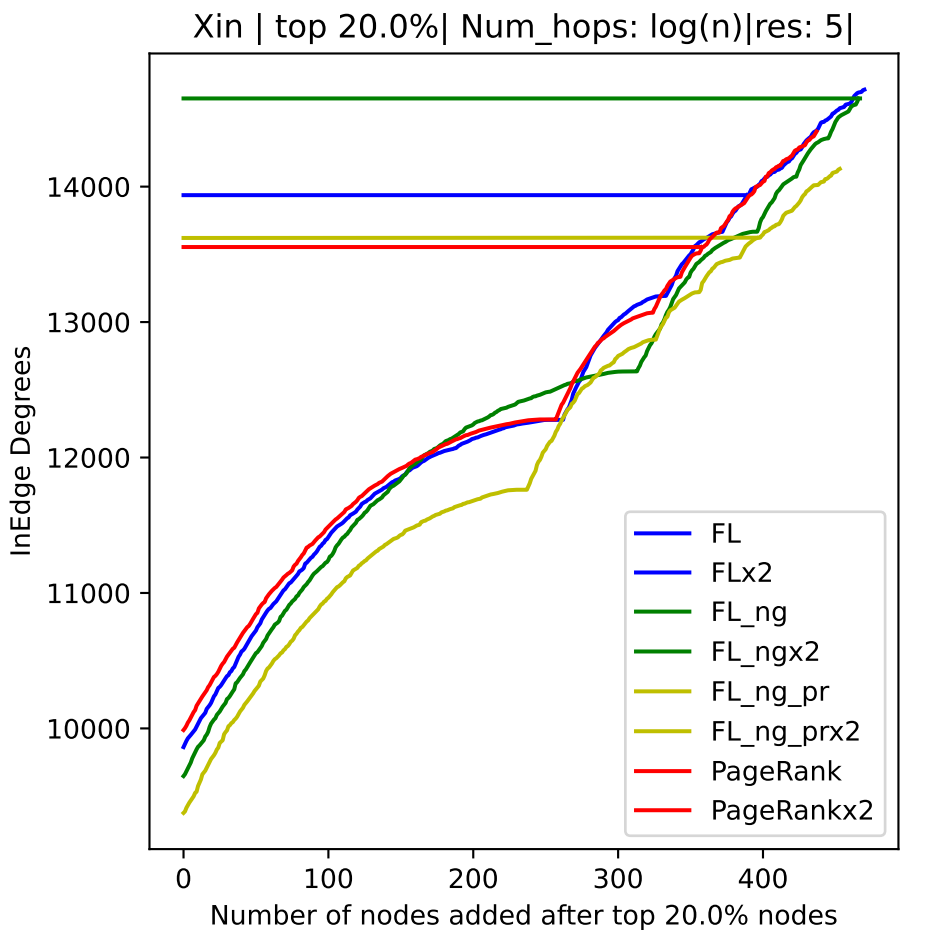

Xin | top 20.0%| Num_hops: log(n)|res: 0.05|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Xin | top 20.0%| Num_hops: log(n)|res: 0.25|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Xin | top 20.0%| Num_hops: log(n)|res: 0.5|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Xin | top 20.0%| Num_hops: log(n)|res: 1|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Xin | top 20.0%| Num_hops: log(n)|res: 1.5|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Xin | top 20.0%| Num_hops: log(n)|res: 5|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2