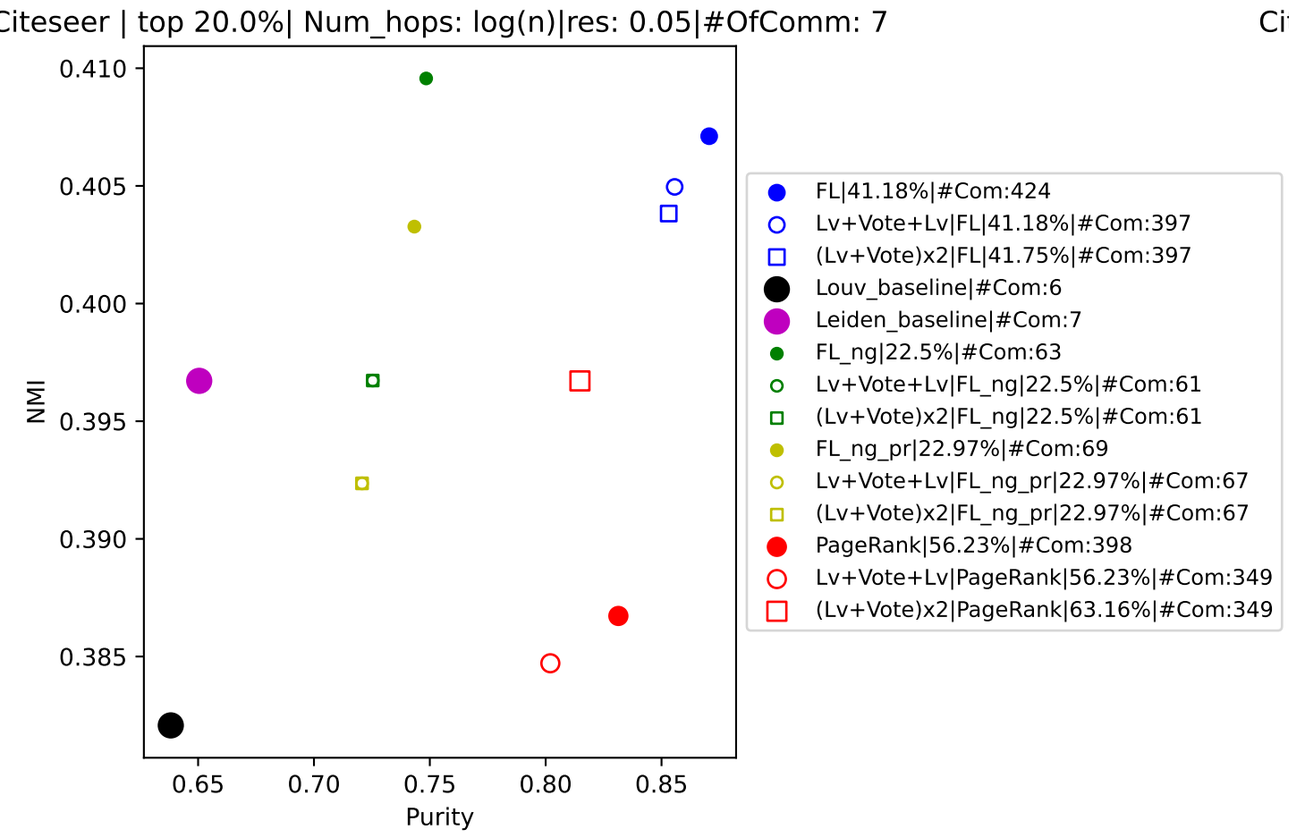
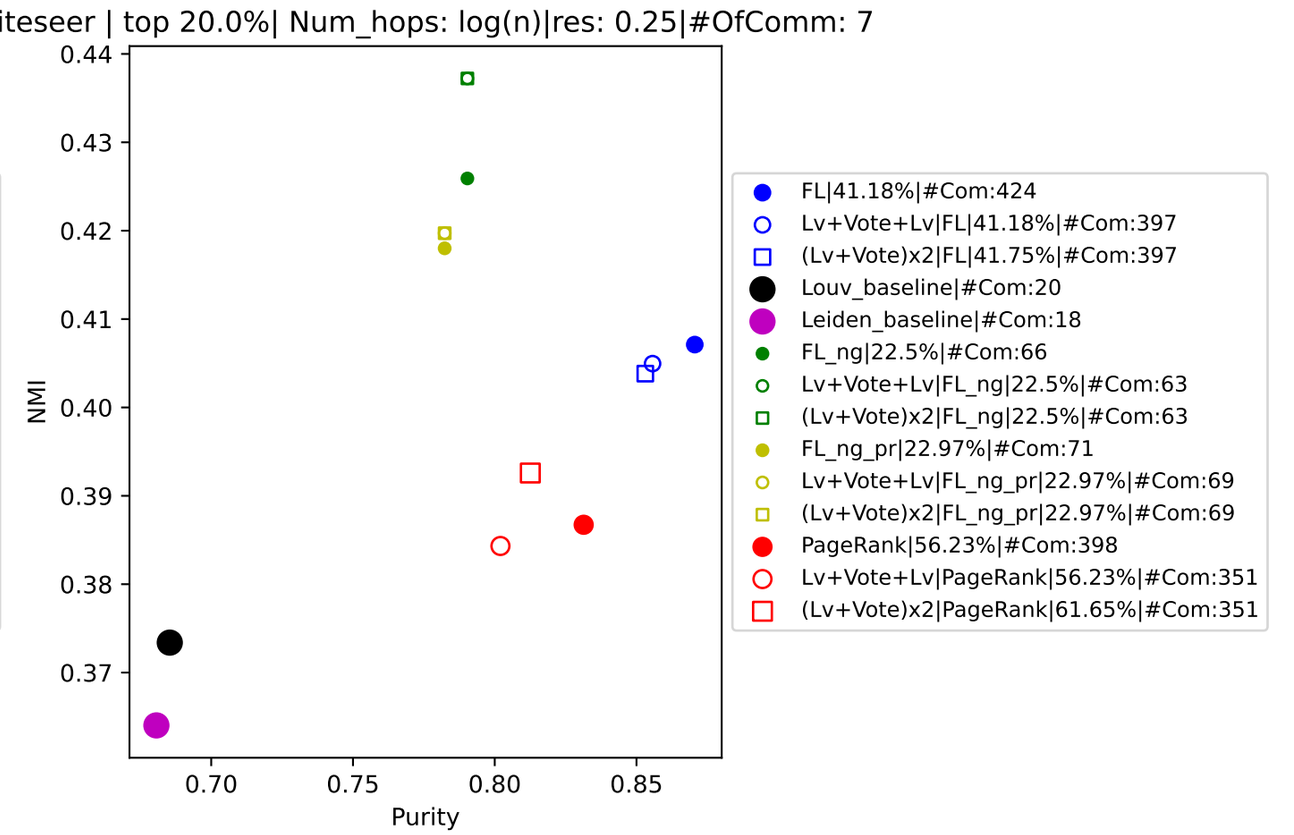
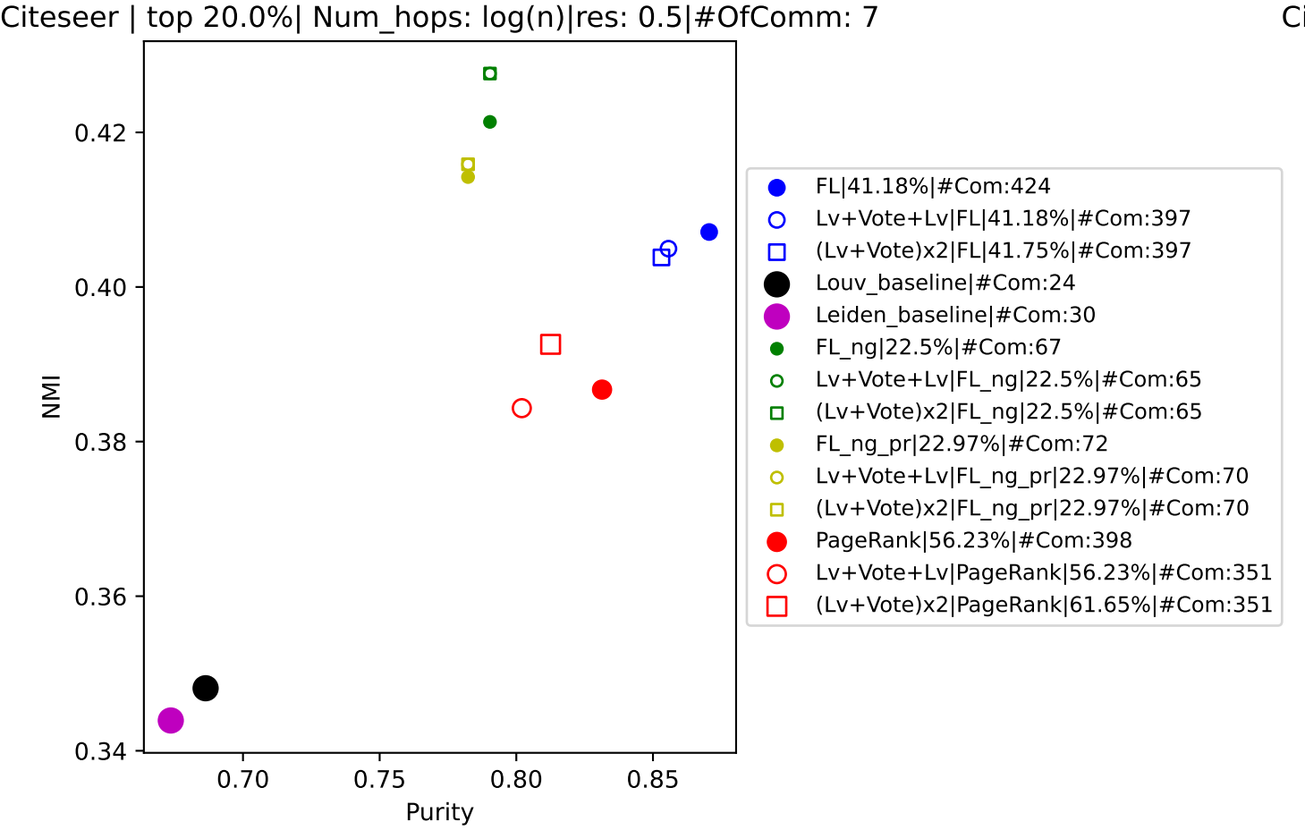
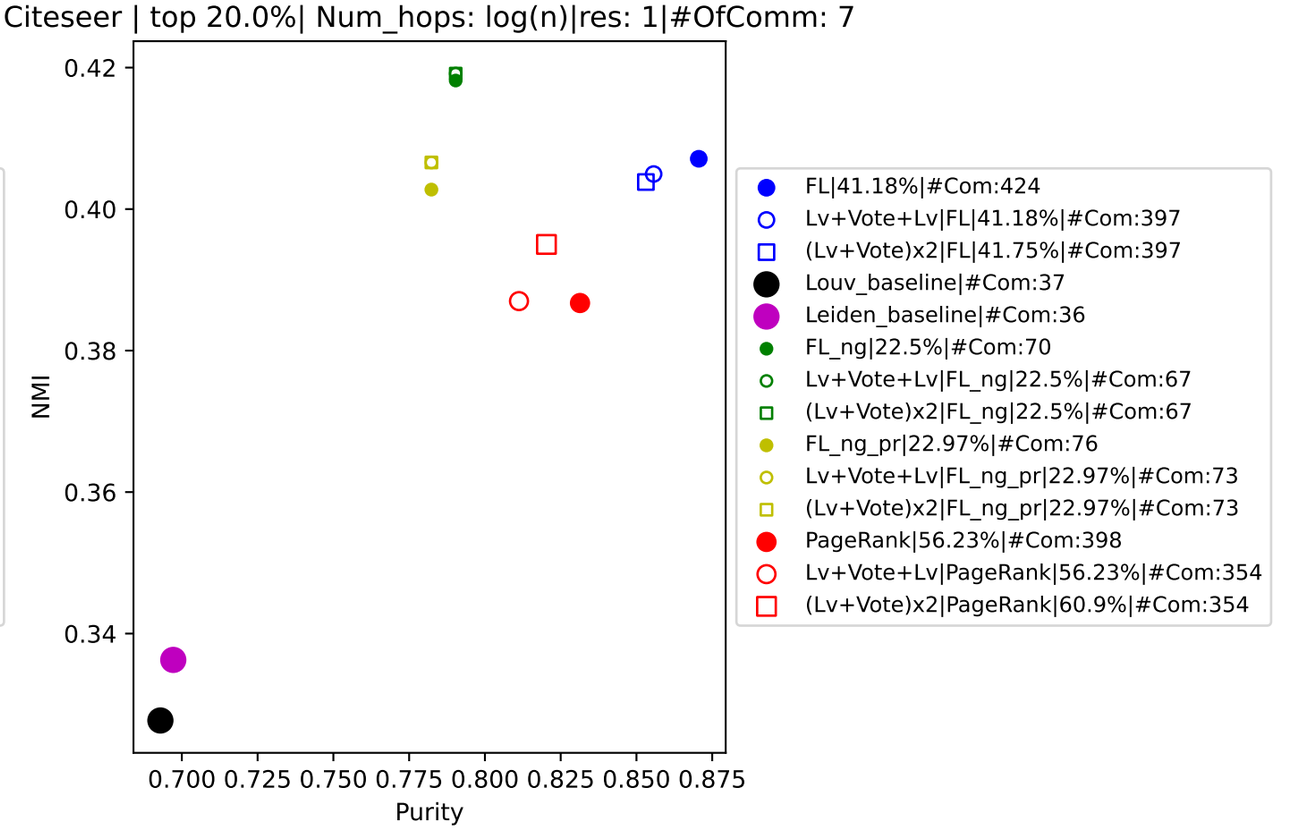
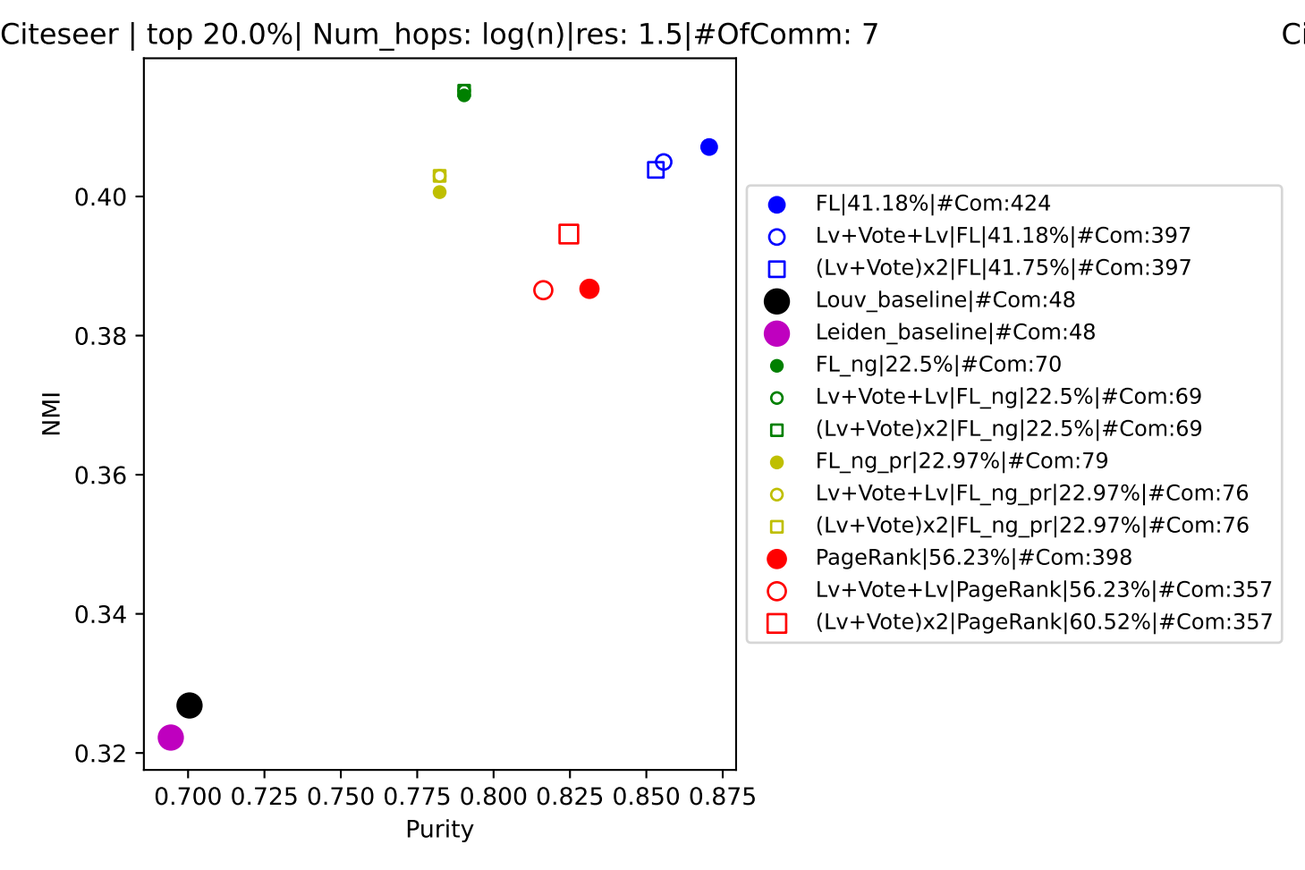
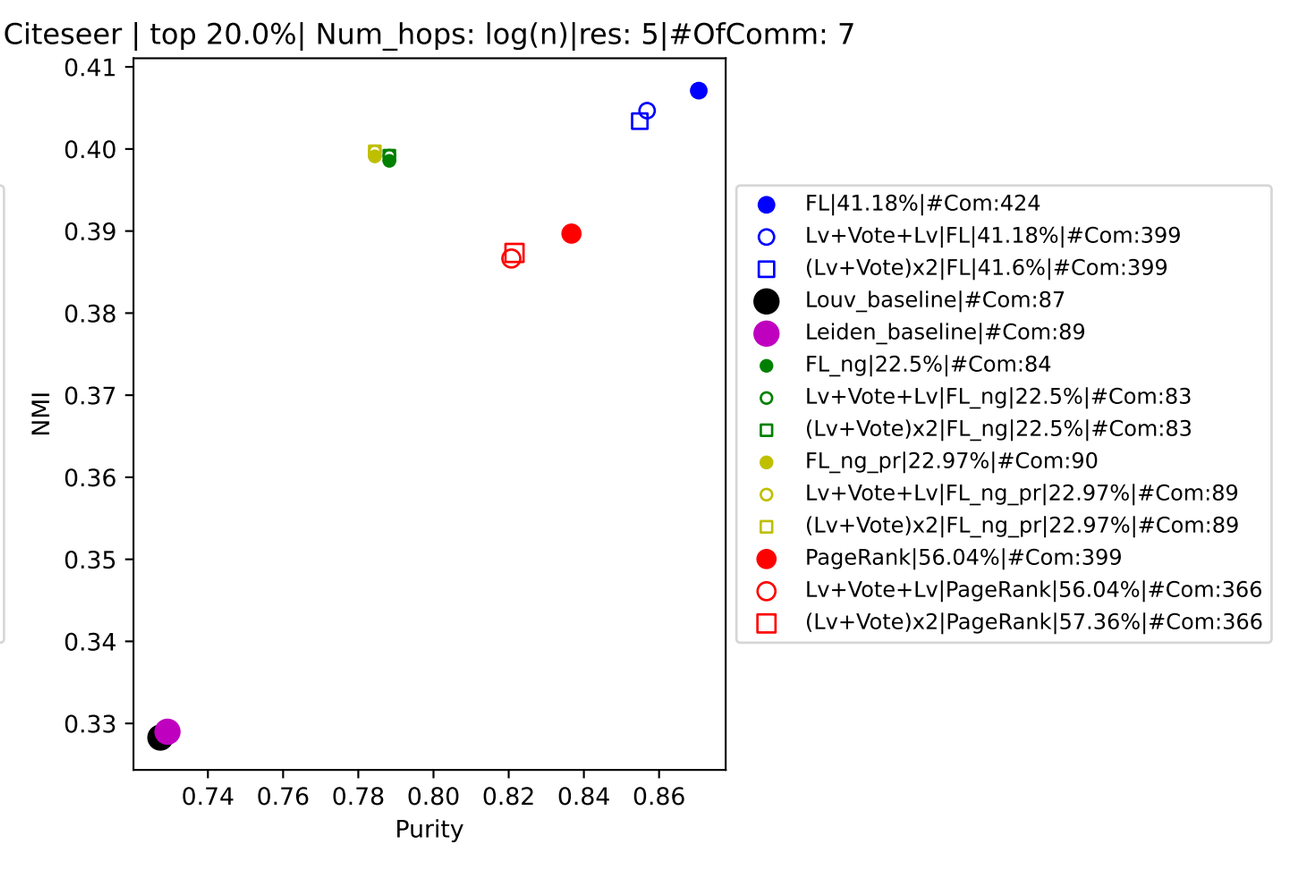

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:397
(Lv+Vote)x2|FL|41.75%|#Com:397
Louv_baseline|#Com:6
Leiden_baseline|#Com:7
FL_ng|22.5%|#Com:63
Lv+Vote+Lv|FL_ng|22.5%|#Com:61
(Lv+Vote)x2|FL_ng|22.5%|#Com:61
FL_ng_pr|22.97%|#Com:69
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:67
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:67
PageRank|56.23%|#Com:398
Lv+Vote+Lv|PageRank|56.23%|#Com:349
(Lv+Vote)x2|PageRank|63.16%|#Com:349

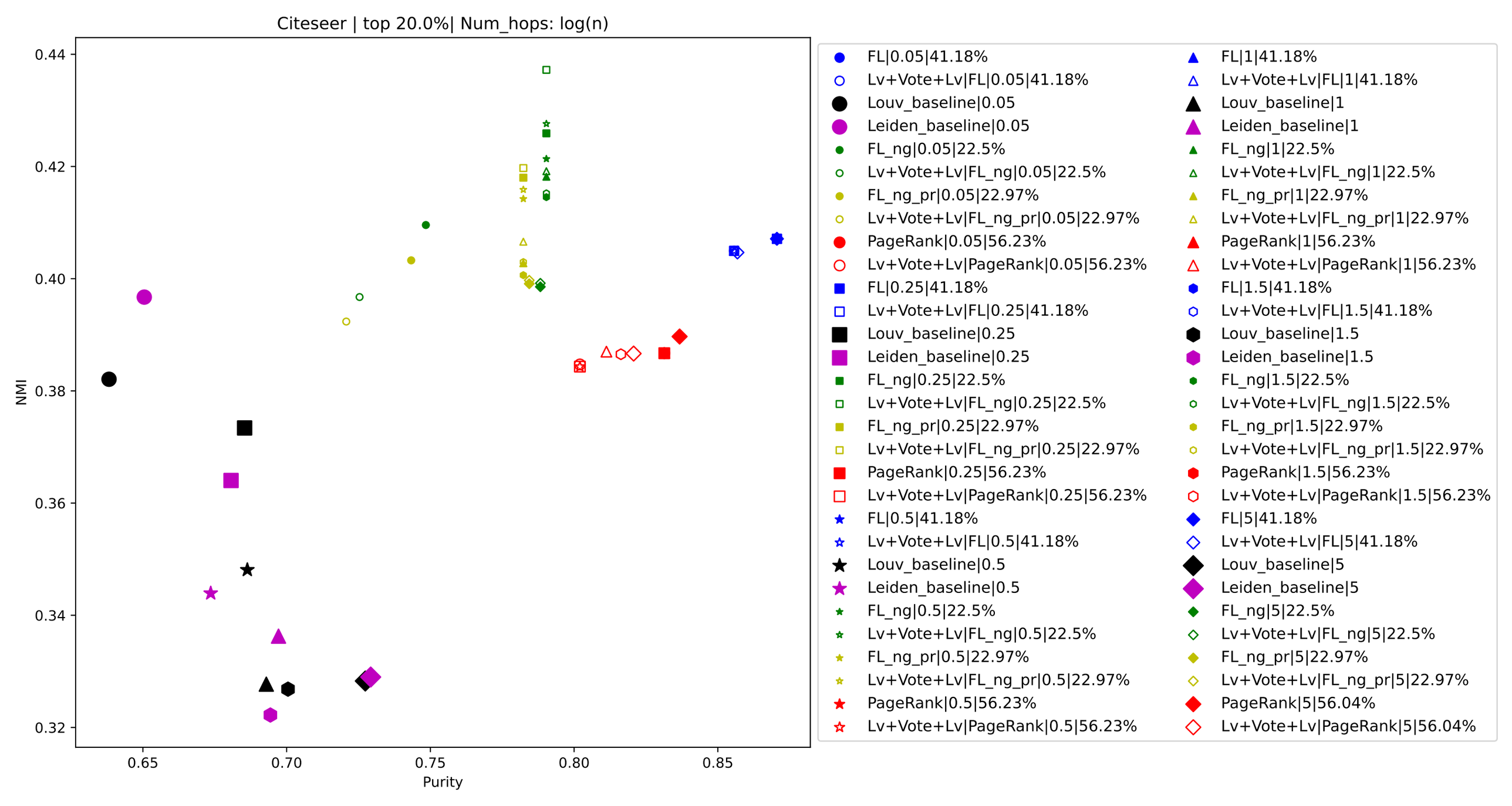

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.25|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:397
(Lv+Vote)x2|FL|41.75%|#Com:397
Louv_baseline|#Com:20
Leiden_baseline|#Com:18
FL_ng|22.5%|#Com:66
Lv+Vote+Lv|FL_ng|22.5%|#Com:63
(Lv+Vote)x2|FL_ng|22.5%|#Com:63
FL_ng_pr|22.97%|#Com:71
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:69
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:69
PageRank|56.23%|#Com:398
Lv+Vote+Lv|PageRank|56.23%|#Com:351
(Lv+Vote)x2|PageRank|61.65%|#Com:351

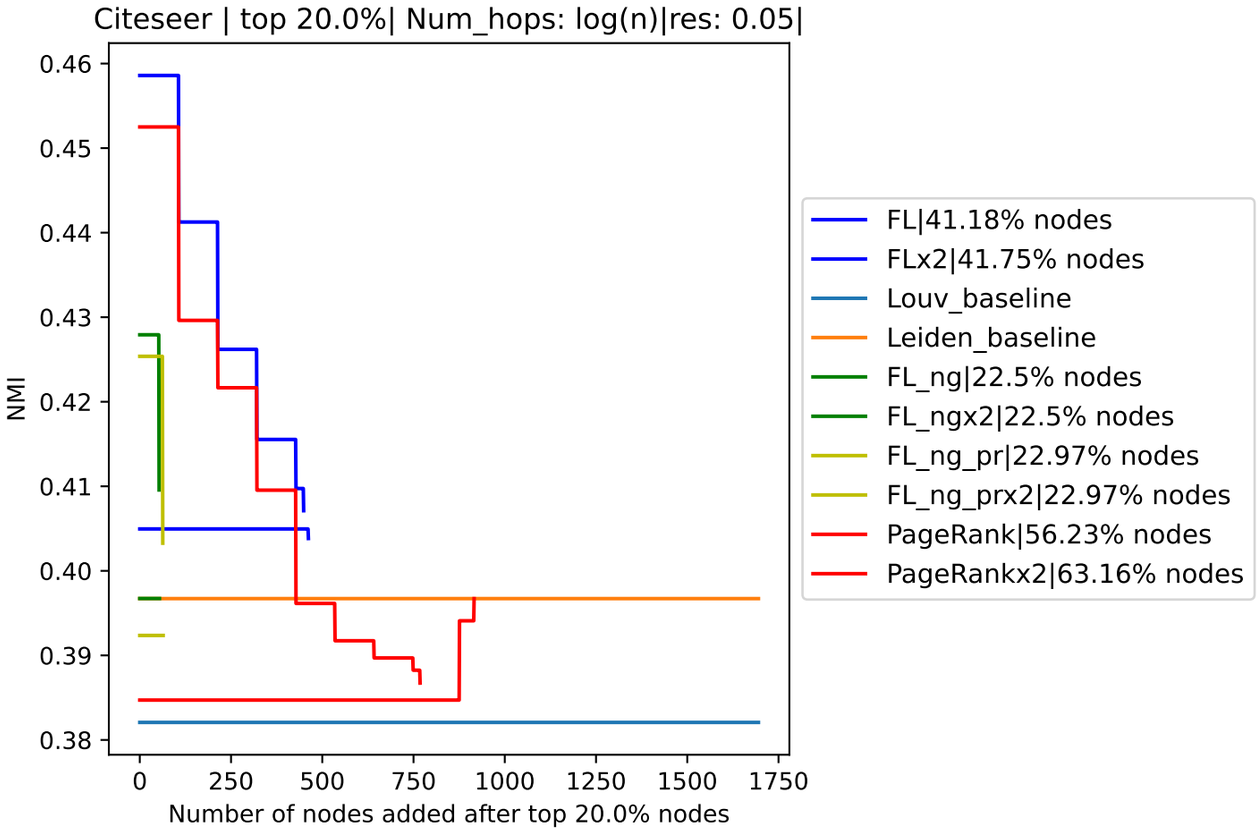

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.5|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:397
(Lv+Vote)x2|FL|41.75%|#Com:397
Louv_baseline|#Com:24
Leiden_baseline|#Com:30
FL_ng|22.5%|#Com:67
Lv+Vote+Lv|FL_ng|22.5%|#Com:65
(Lv+Vote)x2|FL_ng|22.5%|#Com:65
FL_ng_pr|22.97%|#Com:72
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:70
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:70
PageRank|56.23%|#Com:398
Lv+Vote+Lv|PageRank|56.23%|#Com:351
(Lv+Vote)x2|PageRank|61.65%|#Com:351

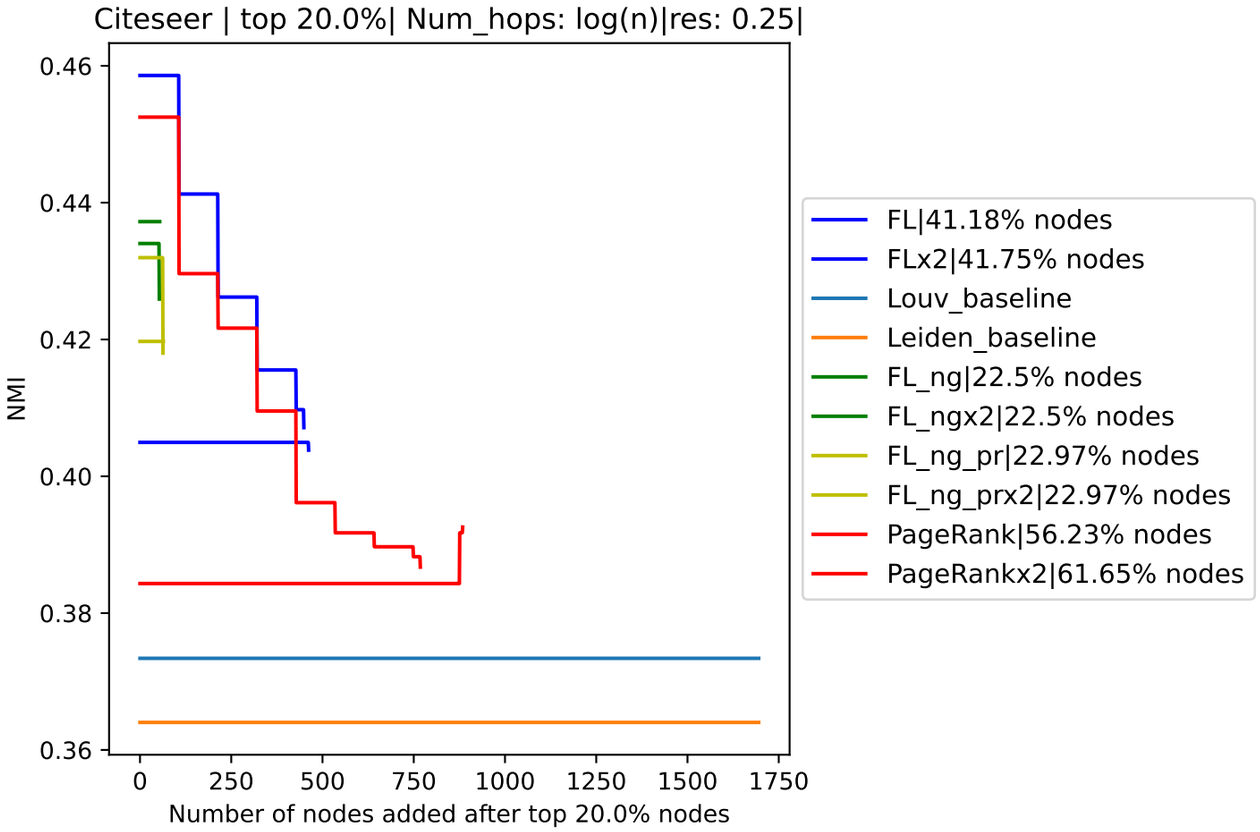

Citeseer | top 20.0%| Num_hops: log(n)|res: 1|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:397
(Lv+Vote)x2|FL|41.75%|#Com:397
Louv_baseline|#Com:37
Leiden_baseline|#Com:36
FL_ng|22.5%|#Com:70
Lv+Vote+Lv|FL_ng|22.5%|#Com:67
(Lv+Vote)x2|FL_ng|22.5%|#Com:67
FL_ng_pr|22.97%|#Com:76
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:73
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:73
PageRank|56.23%|#Com:398
Lv+Vote+Lv|PageRank|56.23%|#Com:354
(Lv+Vote)x2|PageRank|60.9%|#Com:354

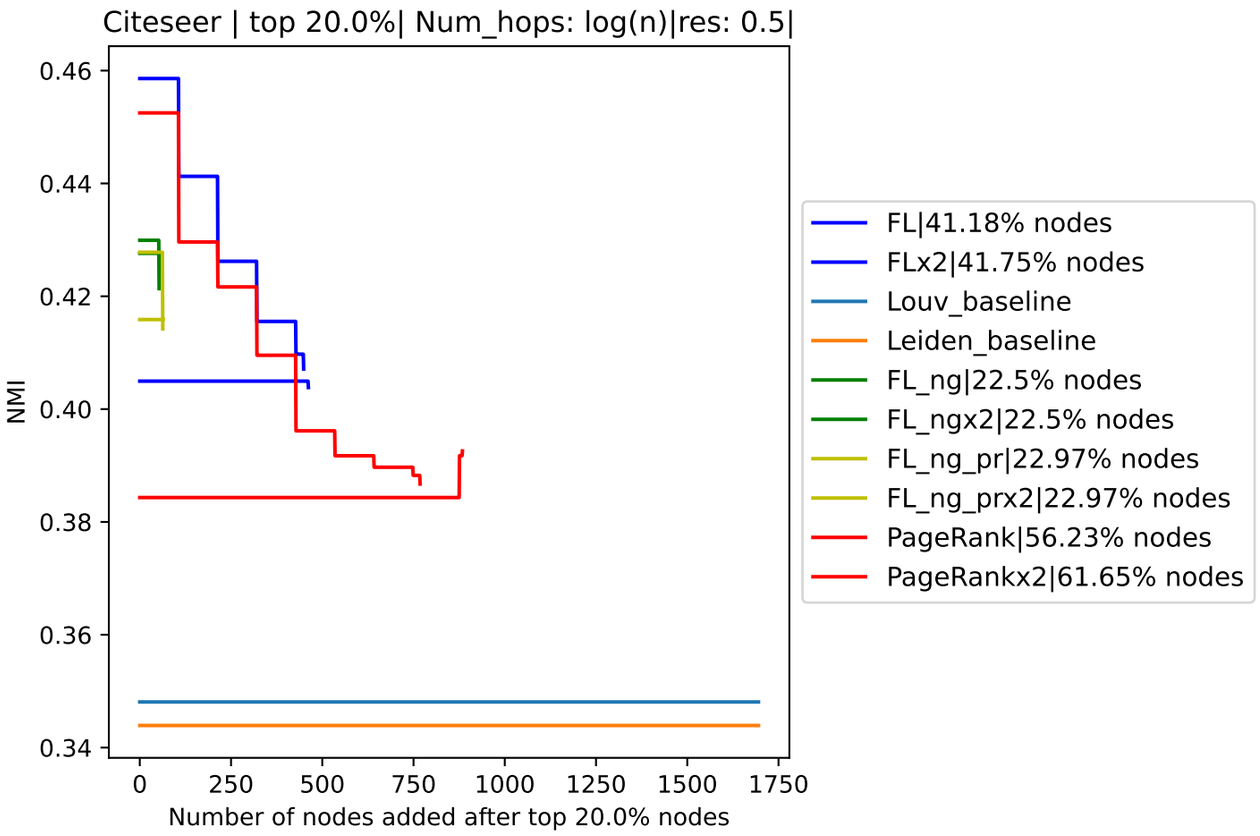

Citeseer | top 20.0%| Num_hops: log(n)|res: 1.5|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:397
(Lv+Vote)x2|FL|41.75%|#Com:397
Louv_baseline|#Com:48
Leiden_baseline|#Com:48
FL_ng|22.5%|#Com:70
Lv+Vote+Lv|FL_ng|22.5%|#Com:69
(Lv+Vote)x2|FL_ng|22.5%|#Com:69
FL_ng_pr|22.97%|#Com:79
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:76
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:76
PageRank|56.23%|#Com:398
Lv+Vote+Lv|PageRank|56.23%|#Com:357
(Lv+Vote)x2|PageRank|60.52%|#Com:357

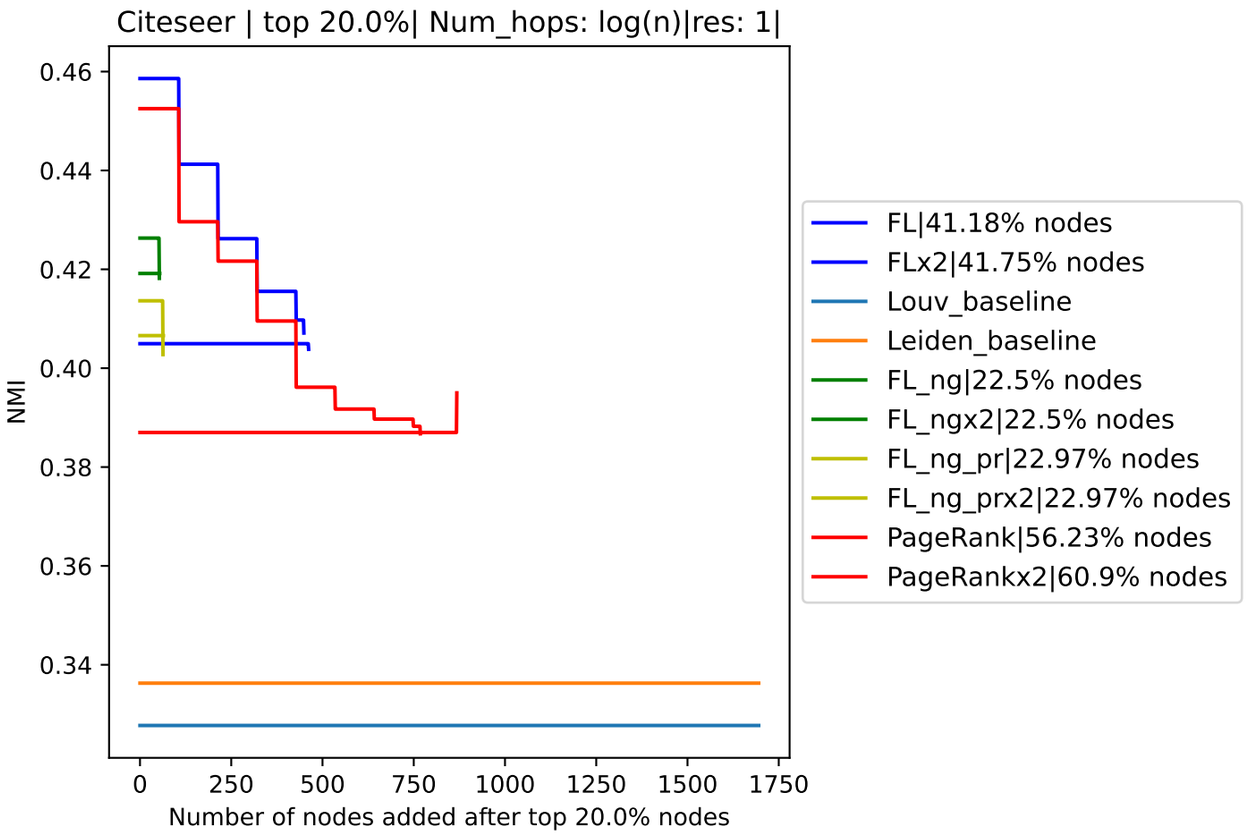

Citeseer | top 20.0%| Num_hops: log(n)|res: 5|#OfComm: 7
NMI
Purity
FL|41.18%|#Com:424
Lv+Vote+Lv|FL|41.18%|#Com:399
(Lv+Vote)x2|FL|41.6%|#Com:399
Louv_baseline|#Com:87
Leiden_baseline|#Com:89
FL_ng|22.5%|#Com:84
Lv+Vote+Lv|FL_ng|22.5%|#Com:83
(Lv+Vote)x2|FL_ng|22.5%|#Com:83
FL_ng_pr|22.97%|#Com:90
Lv+Vote+Lv|FL_ng_pr|22.97%|#Com:89
(Lv+Vote)x2|FL_ng_pr|22.97%|#Com:89
PageRank|56.04%|#Com:399
Lv+Vote+Lv|PageRank|56.04%|#Com:366
(Lv+Vote)x2|PageRank|57.36%|#Com:366

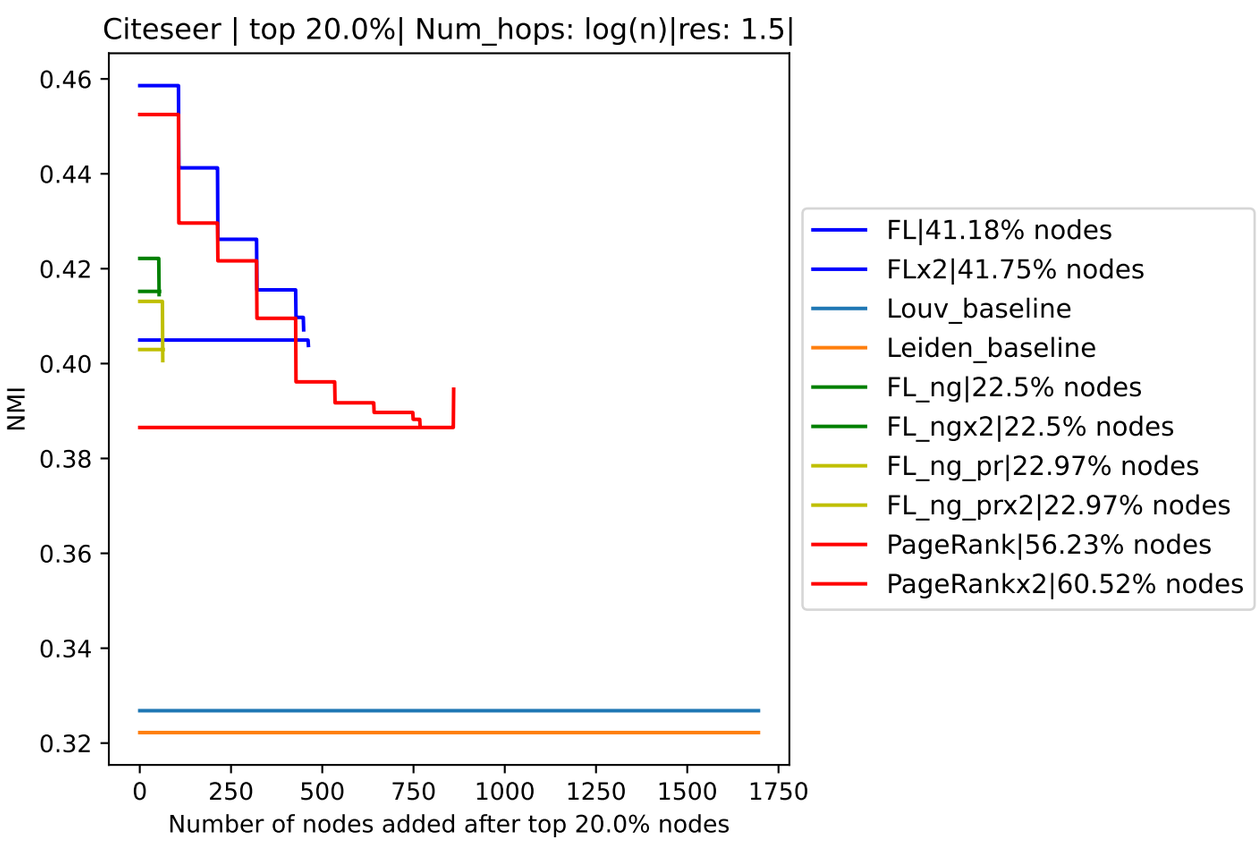

Citeseer | top 20.0%| Num_hops: log(n)
NMI
Purity
0.44
0.42
0.40
0.38
0.36
0.34
0.32
0.65
0.70
0.75
0.80
0.85
FL|0.05|41.18%
Lv+Vote+Lv|FL|0.05|41.18%
Louv_baseline|0.05
Leiden_baseline|0.05
FL_ng|0.05|22.5%
Lv+Vote+Lv|FL_ng|0.05|22.5%
FL_ng_pr|0.05|22.97%
Lv+Vote+Lv|FL_ng_pr|0.05|22.97%
PageRank|0.05|56.23%
Lv+Vote+Lv|PageRank|0.05|56.23%
FL|0.25|41.18%
Lv+Vote+Lv|FL|0.25|41.18%
Louv_baseline|0.25
Leiden_baseline|0.25
FL_ng|0.25|22.5%
Lv+Vote+Lv|FL_ng|0.25|22.5%
FL_ng_pr|0.25|22.97%
Lv+Vote+Lv|FL_ng_pr|0.25|22.97%
PageRank|0.25|56.23%
Lv+Vote+Lv|PageRank|0.25|56.23%
FL|0.5|41.18%
Lv+Vote+Lv|FL|0.5|41.18%
Louv_baseline|0.5
Leiden_baseline|0.5
FL_ng|0.5|22.5%
Lv+Vote+Lv|FL_ng|0.5|22.5%
FL_ng_pr|0.5|22.97%
Lv+Vote+Lv|FL_ng_pr|0.5|22.97%
PageRank|0.5|56.23%
Lv+Vote+Lv|PageRank|0.5|56.23%
FL|1|41.18%
Lv+Vote+Lv|FL|1|41.18%
Louv_baseline|1
Leiden_baseline|1
FL_ng|1|22.5%
Lv+Vote+Lv|FL_ng|1|22.5%
FL_ng_pr|1|22.97%
Lv+Vote+Lv|FL_ng_pr|1|22.97%
PageRank|1|56.23%
Lv+Vote+Lv|PageRank|1|56.23%
FL|1.5|41.18%
Lv+Vote+Lv|FL|1.5|41.18%
Louv_baseline|1.5
Leiden_baseline|1.5
FL_ng|1.5|22.5%
Lv+Vote+Lv|FL_ng|1.5|22.5%
FL_ng_pr|1.5|22.97%
Lv+Vote+Lv|FL_ng_pr|1.5|22.97%
PageRank|1.5|56.23%
Lv+Vote+Lv|PageRank|1.5|56.23%
FL|5|41.18%
Lv+Vote+Lv|FL|5|41.18%
Louv_baseline|5
Leiden_baseline|5
FL_ng|5|22.5%
Lv+Vote+Lv|FL_ng|5|22.5%
FL_ng_pr|5|22.97%
Lv+Vote+Lv|FL_ng_pr|5|22.97%
PageRank|5|56.04%
Lv+Vote+Lv|PageRank|5|56.04%

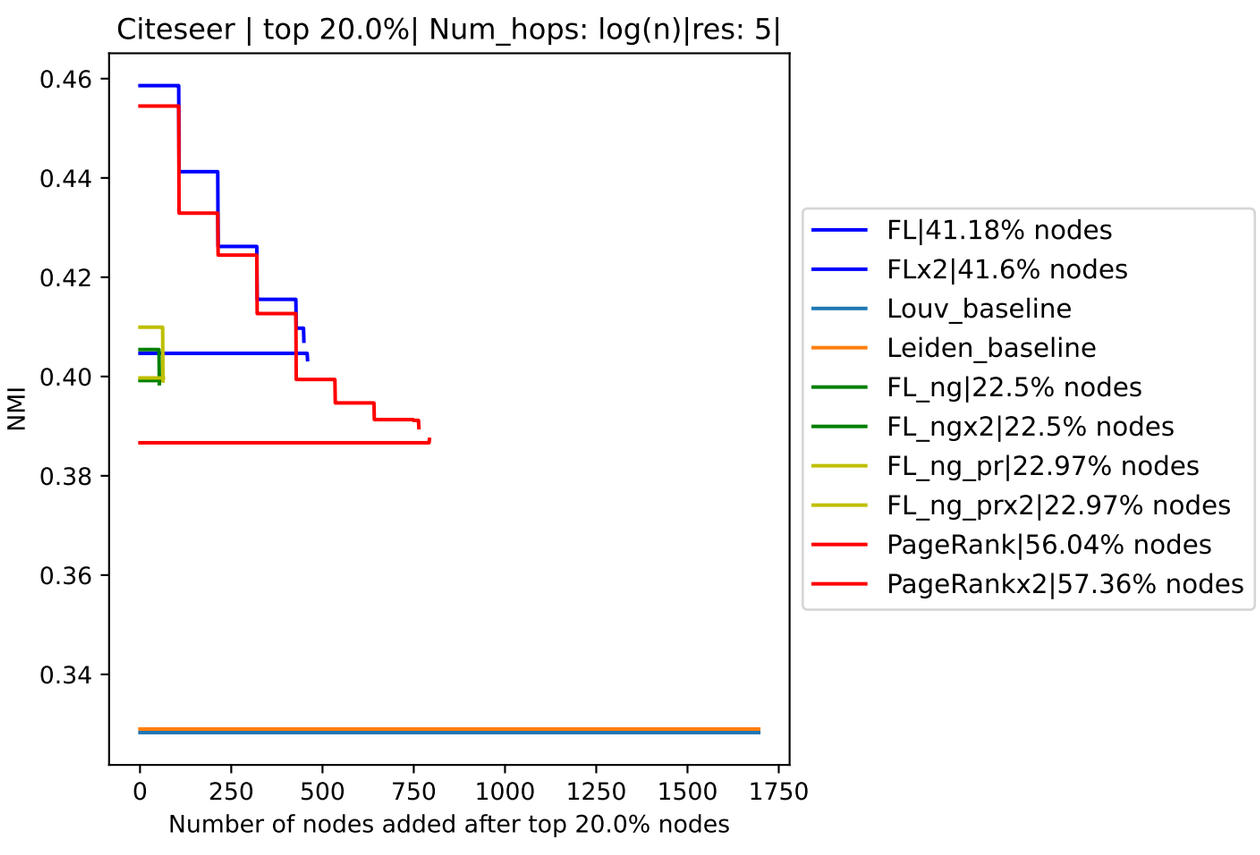

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|63.16% nodes

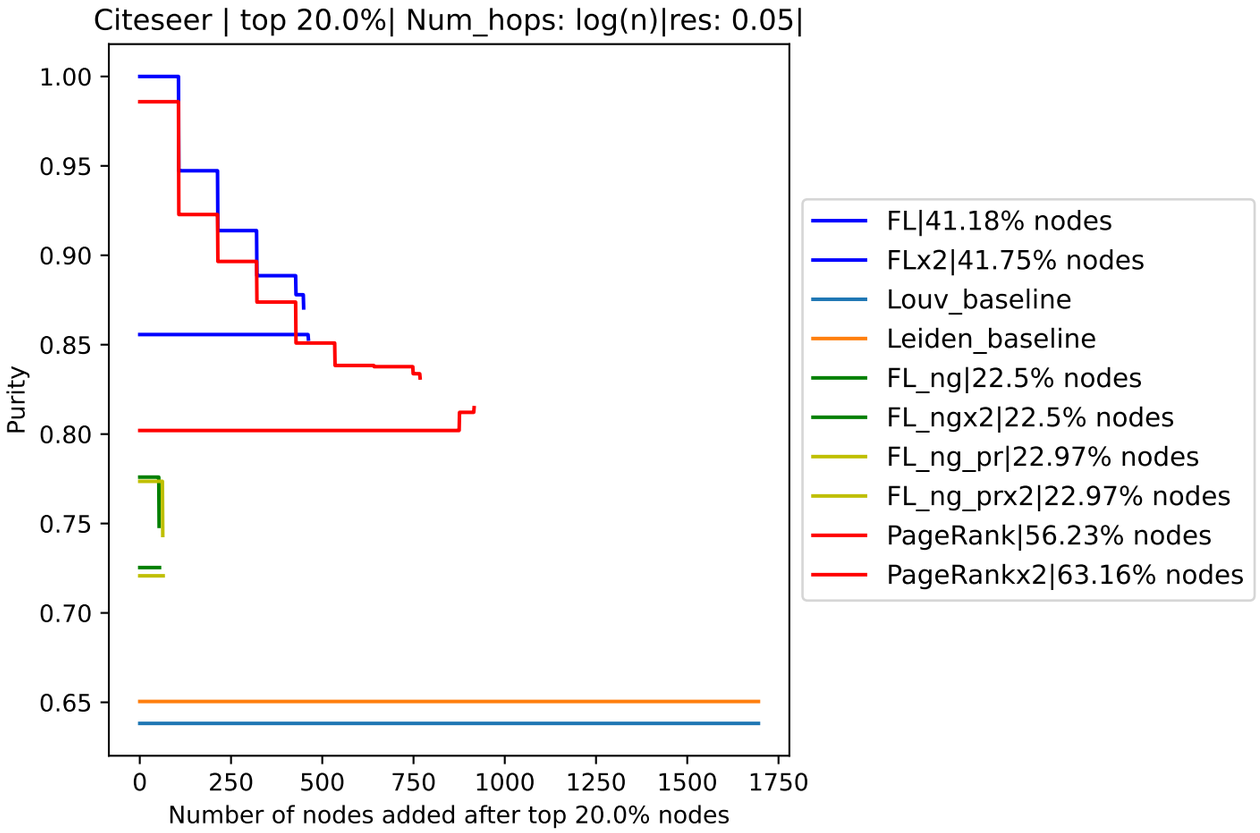

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.25|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|61.65% nodes

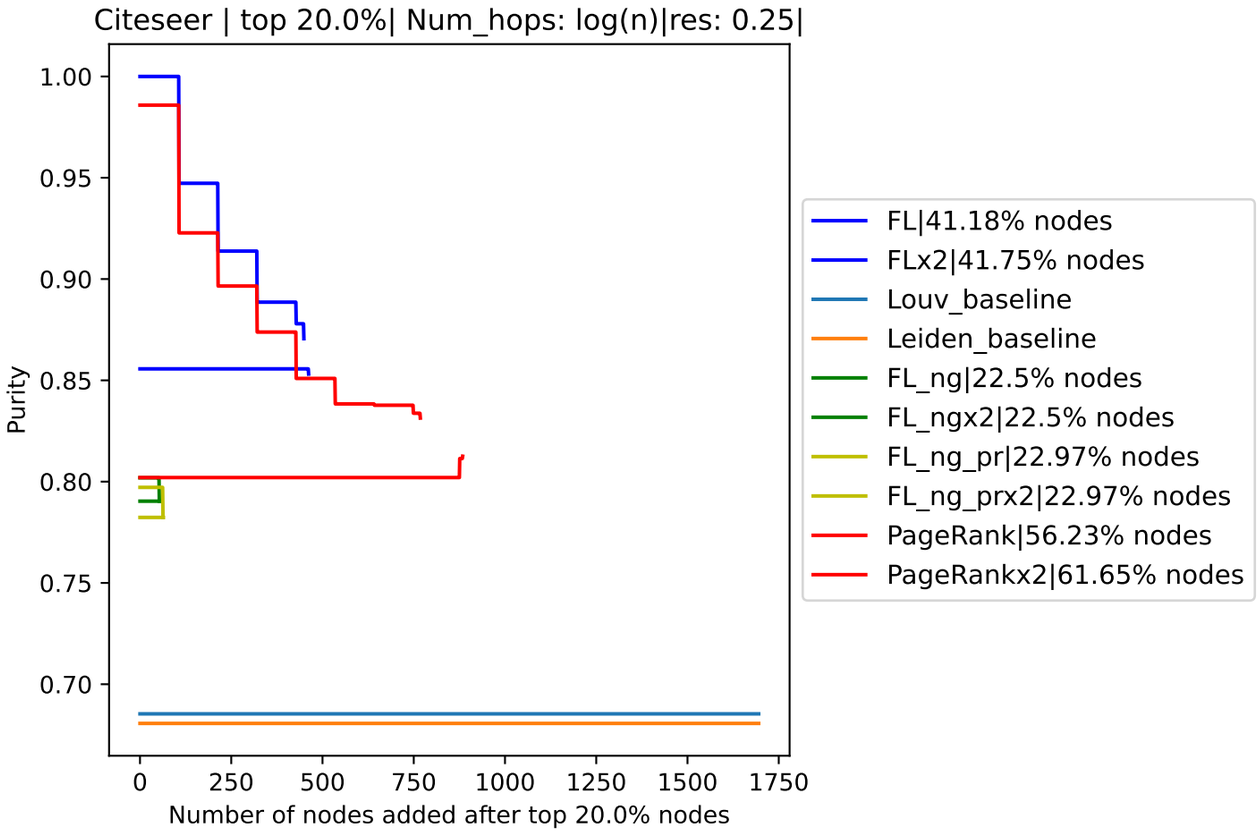

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.5|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|61.65% nodes

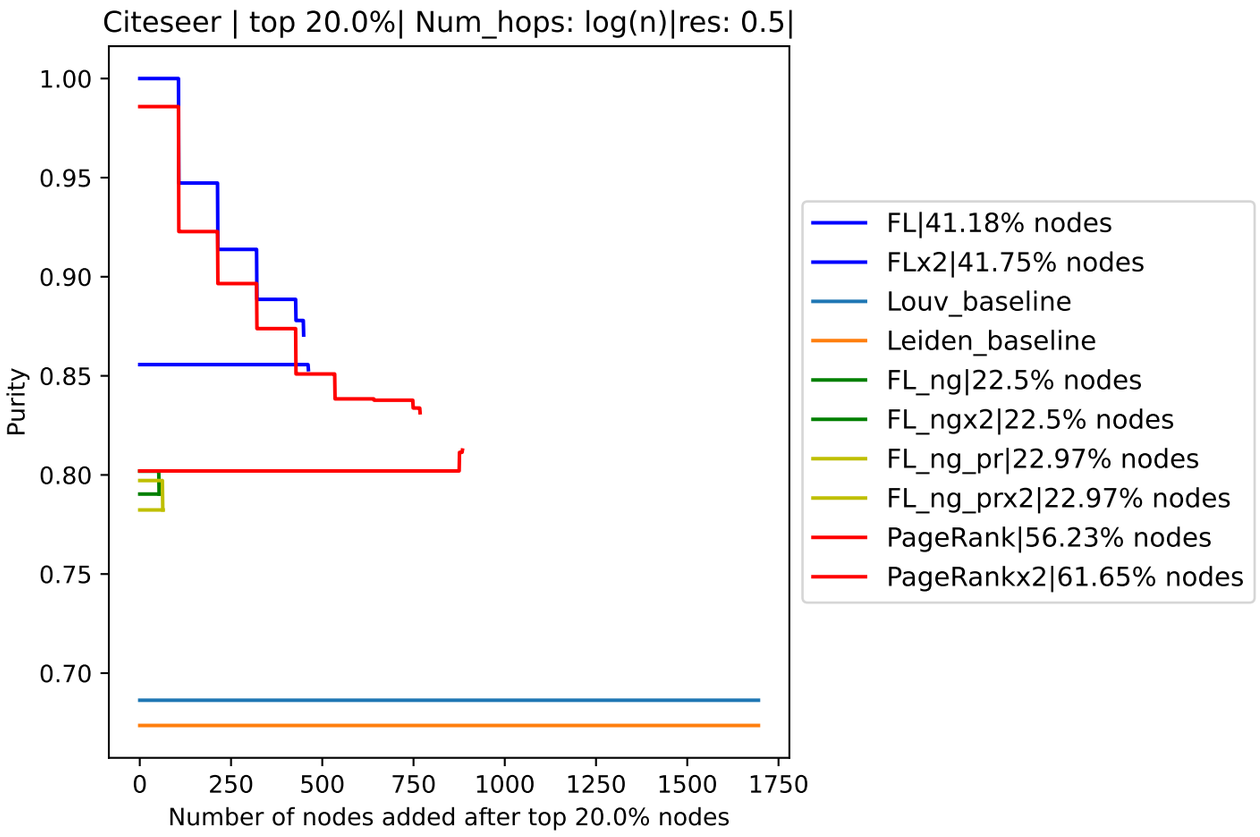

Citeseer | top 20.0%| Num_hops: log(n)|res: 1|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|60.9% nodes

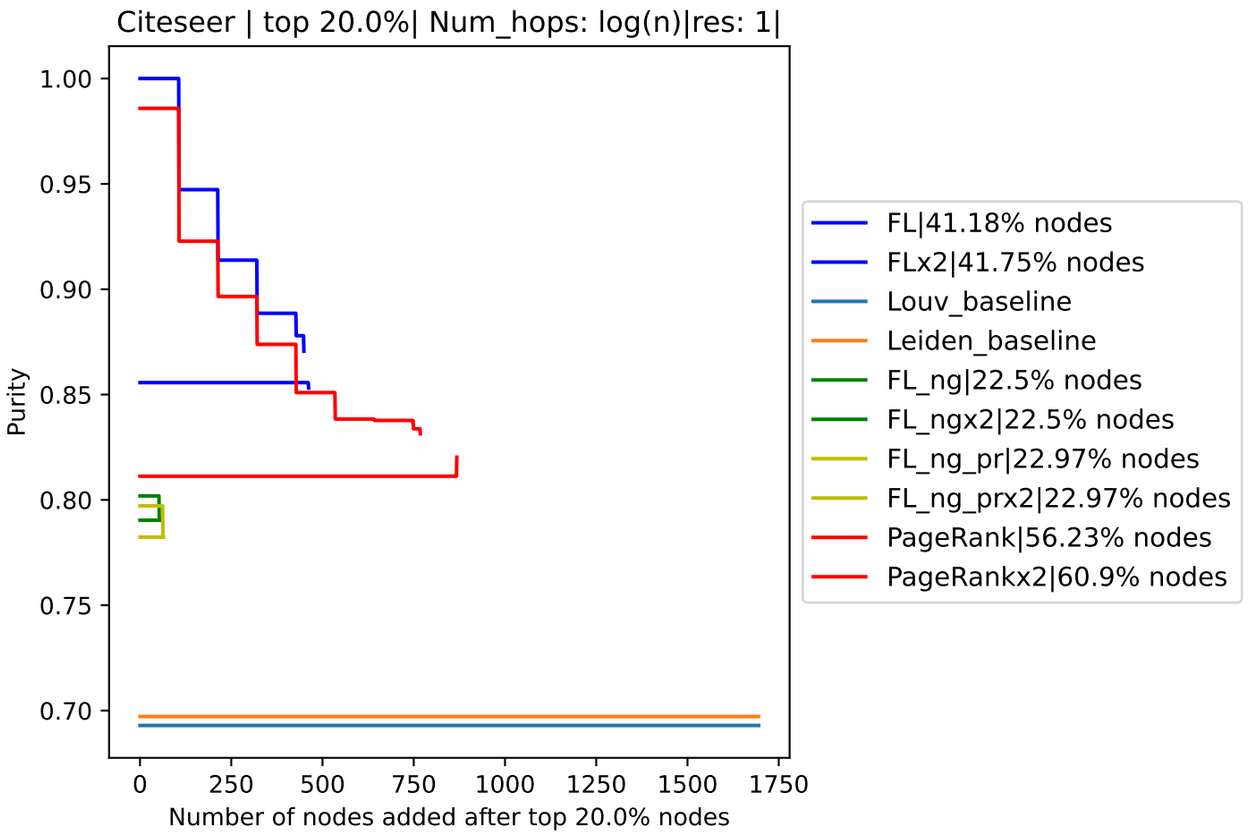

Citeseer | top 20.0%| Num_hops: log(n)|res: 1.5|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|60.52% nodes

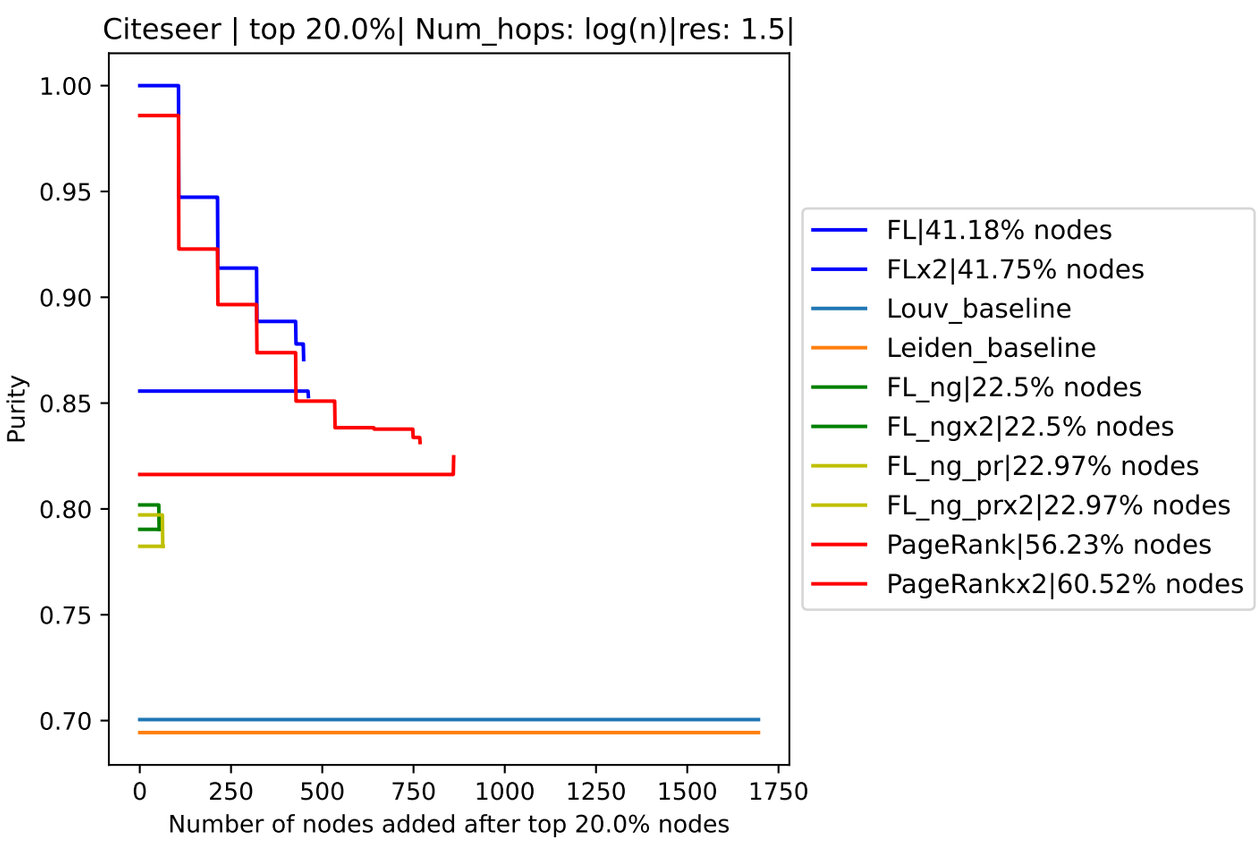

Citeseer | top 20.0%| Num_hops: log(n)|res: 5|
NMI
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.6% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.04% nodes
PageRankx2|57.36% nodes

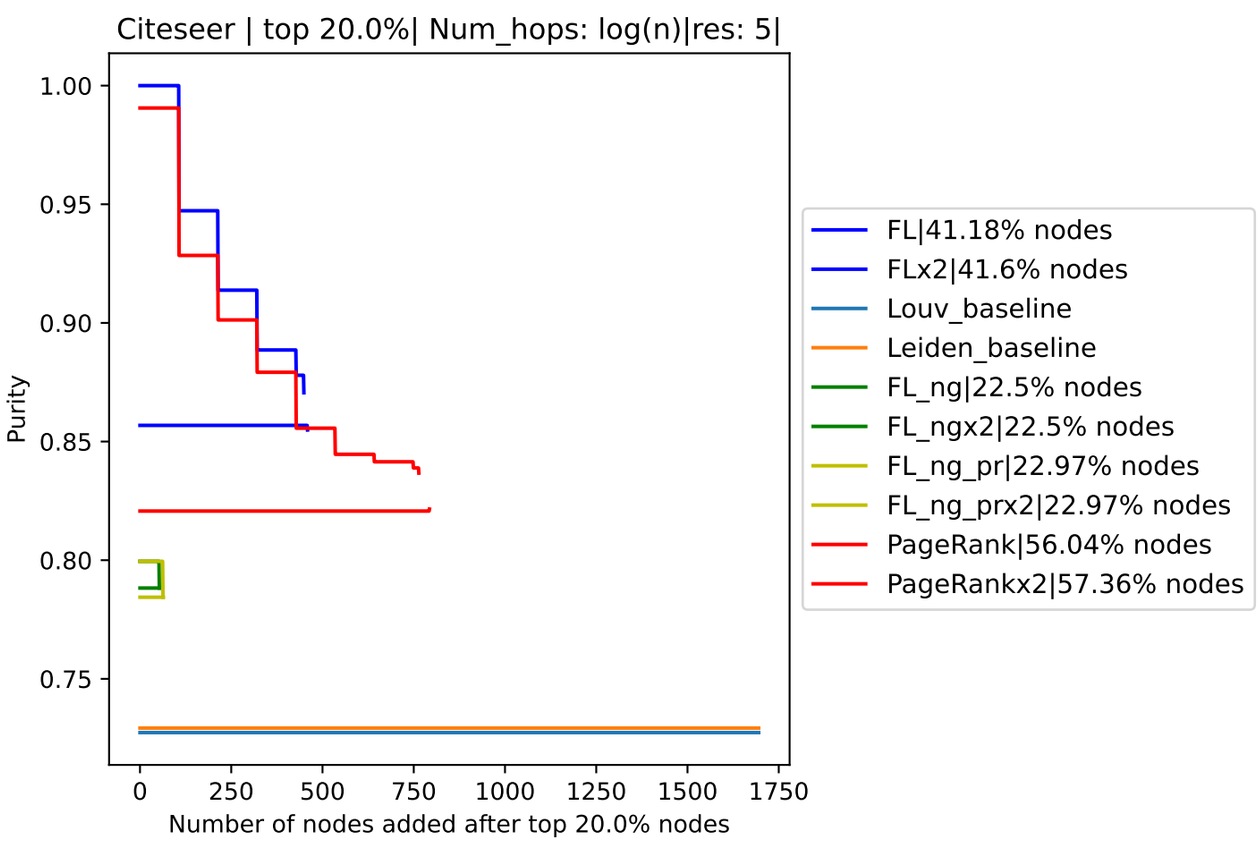

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|63.16% nodes


Citeseer | top 20.0%| Num_hops: log(n)|res: 0.25|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|61.65% nodes

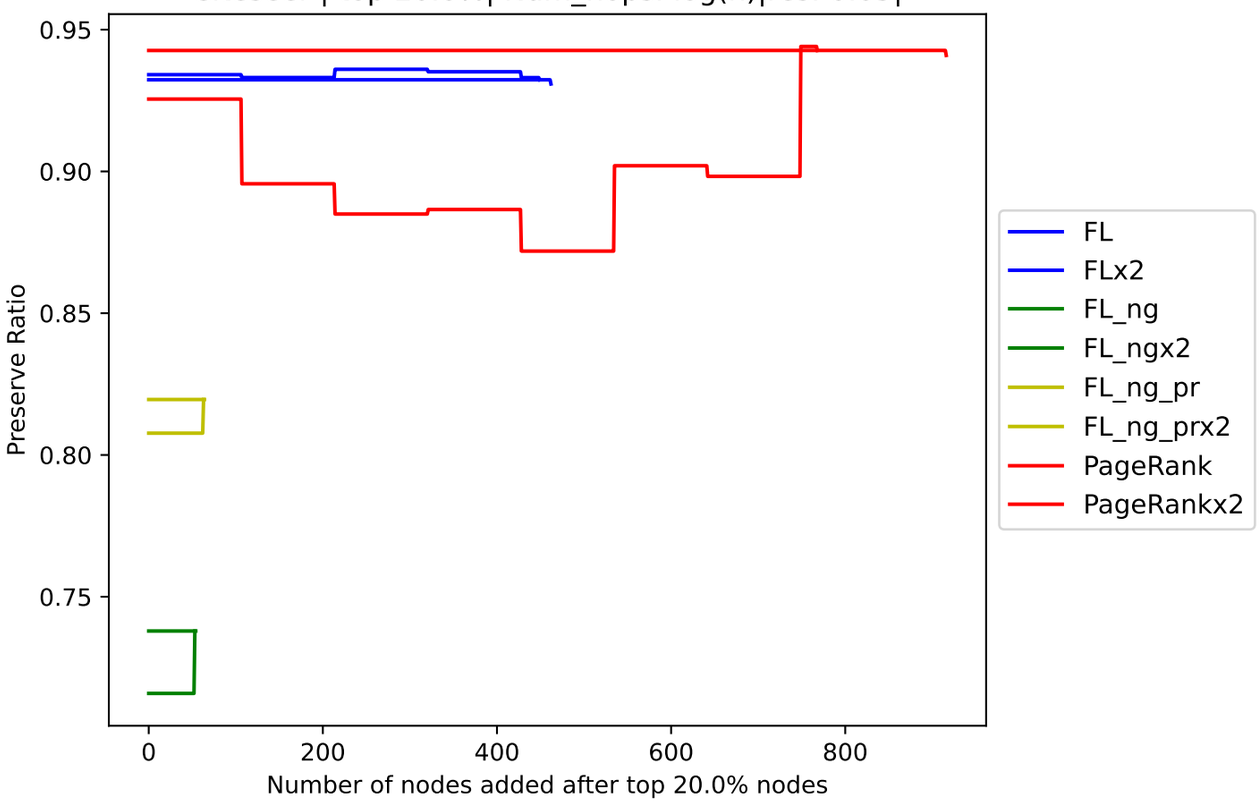

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.5|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|61.65% nodes


Citeseer | top 20.0%| Num_hops: log(n)|res: 1|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|60.9% nodes

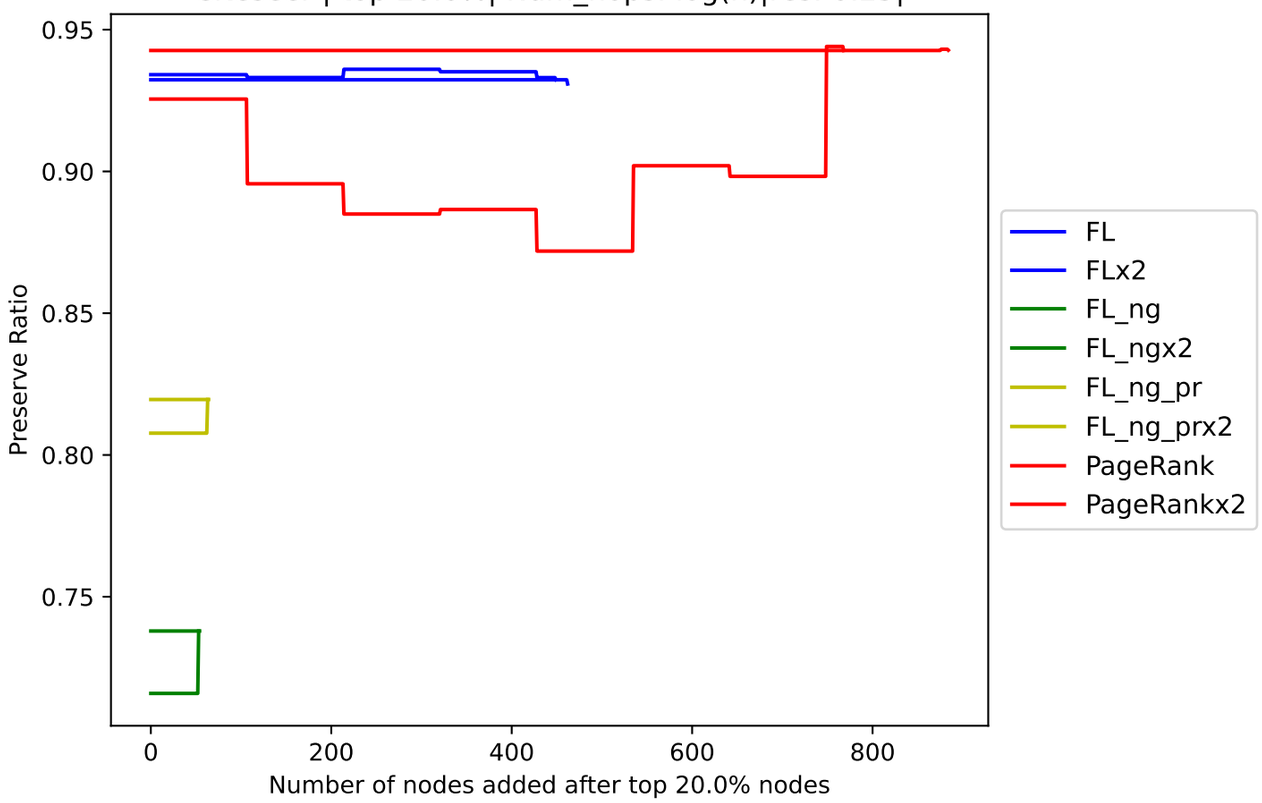

Citeseer | top 20.0%| Num_hops: log(n)|res: 1.5|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.75% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.23% nodes
PageRankx2|60.52% nodes


Citeseer | top 20.0%| Num_hops: log(n)|res: 5|
Purity
Number of nodes added after top 20.0% nodes
FL|41.18% nodes
FLx2|41.6% nodes
Louv_baseline
Leiden_baseline
FL_ng|22.5% nodes
FL_ngx2|22.5% nodes
FL_ng_pr|22.97% nodes
FL_ng_prx2|22.97% nodes
PageRank|56.04% nodes
PageRankx2|57.36% nodes

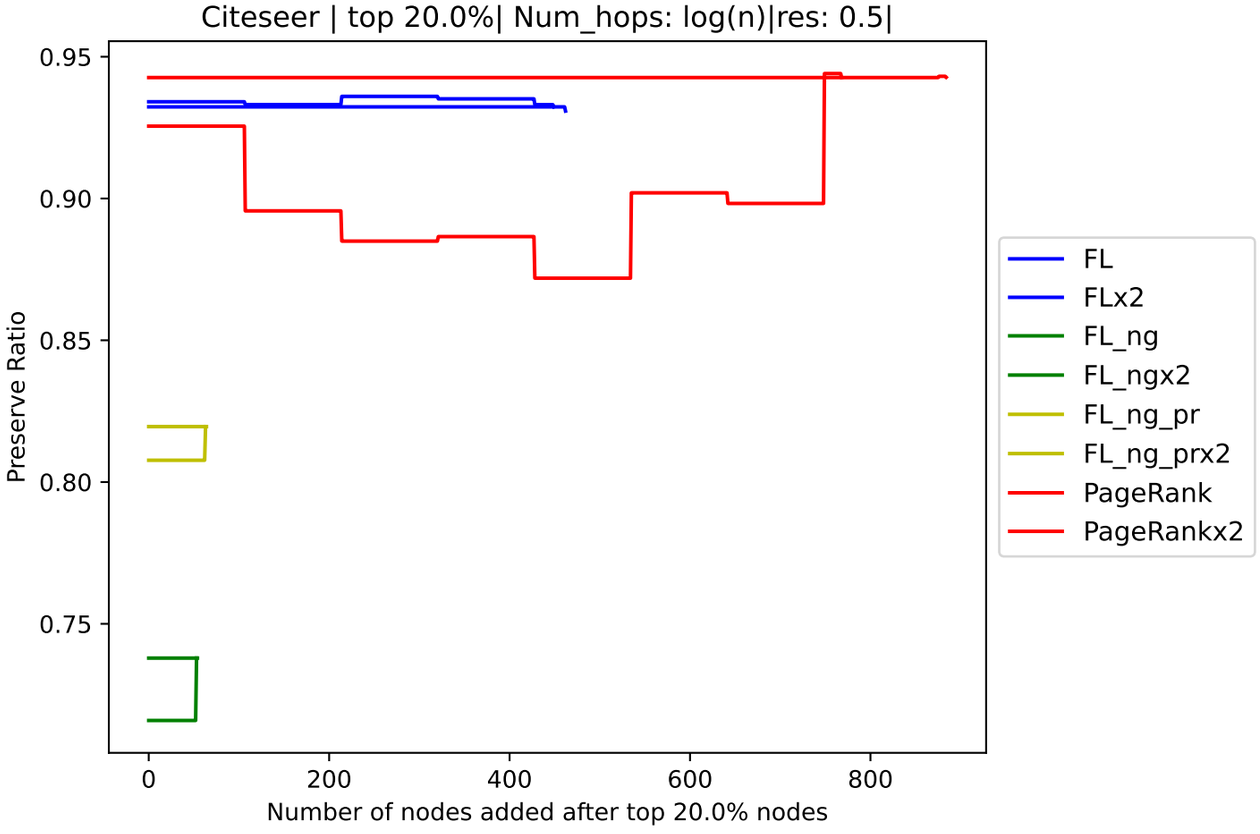
Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|



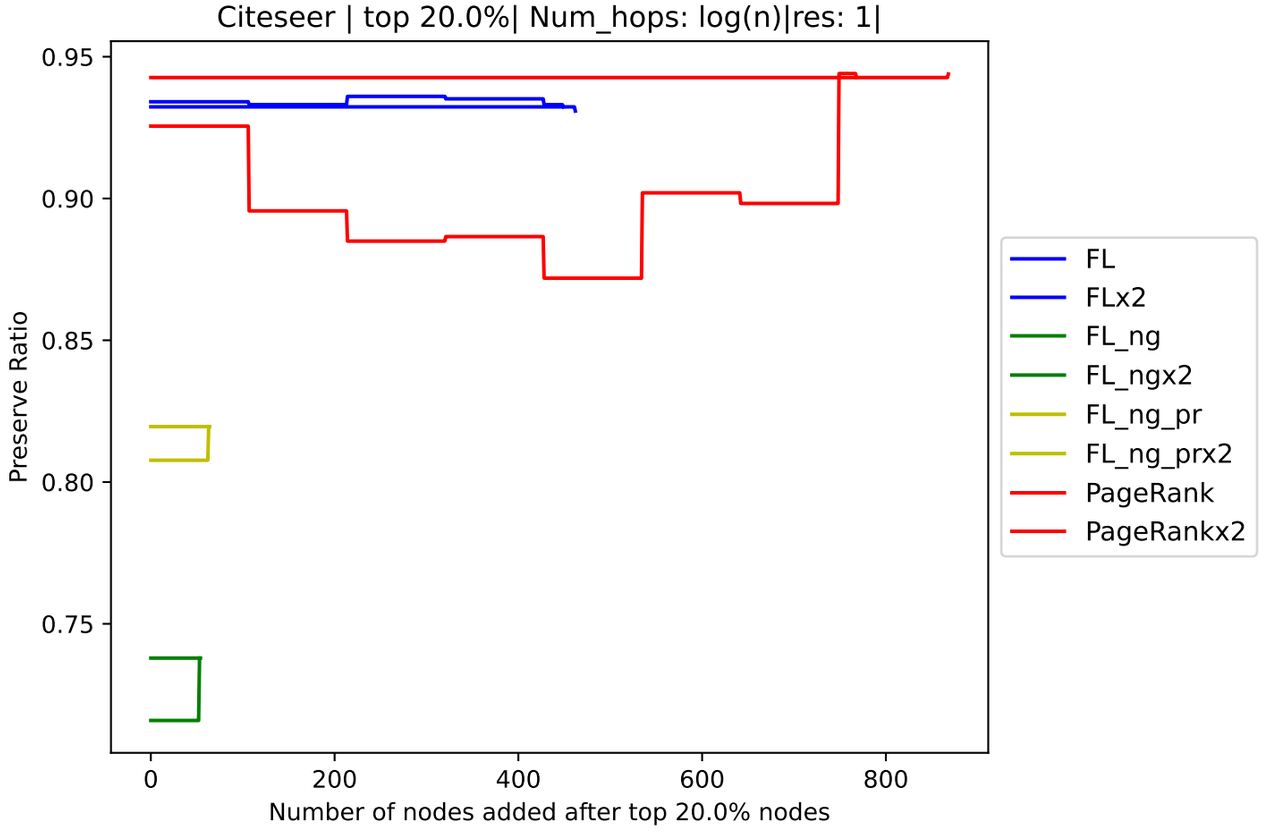
Citeseer | top 20.0%| Num_hops: log(n)|res: 0.25|



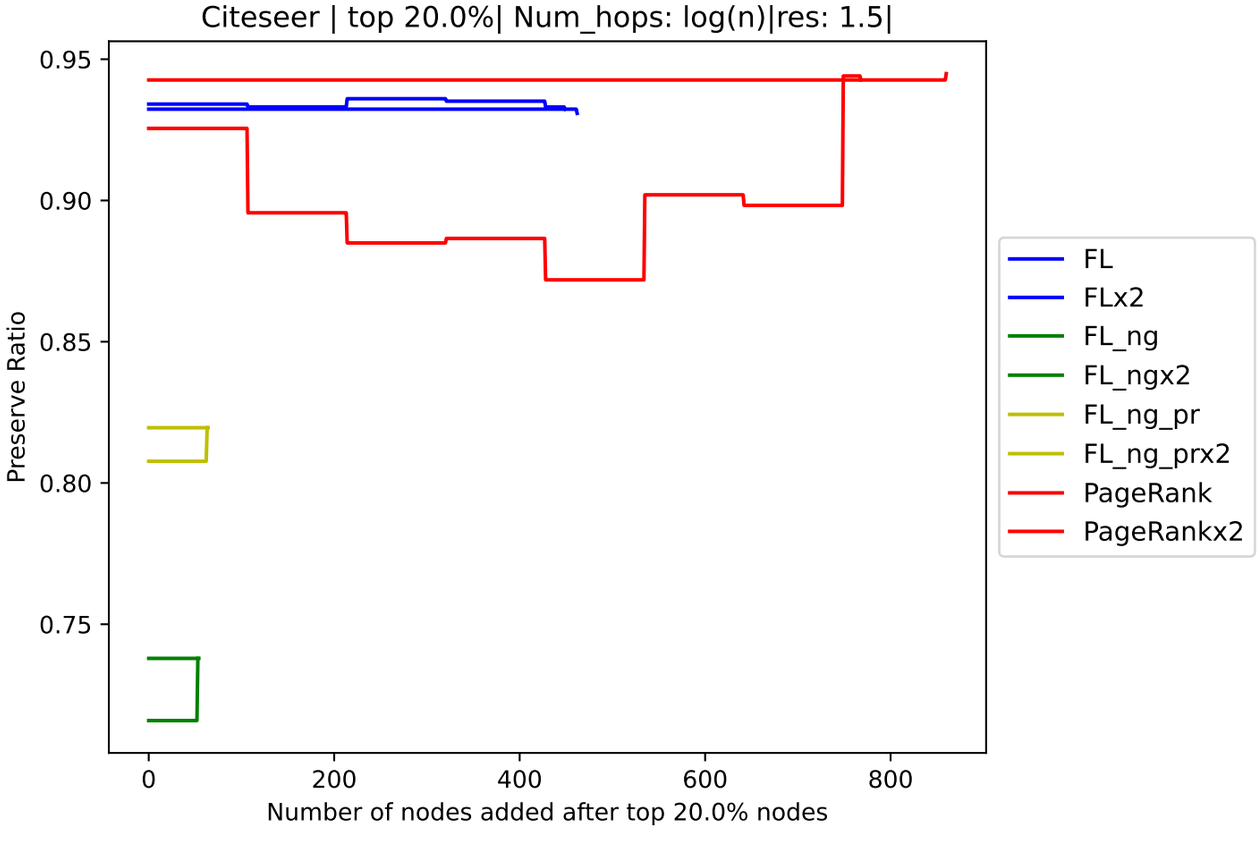
Citeseer | top 20.0%| Num_hops: log(n)|res: 0.5|



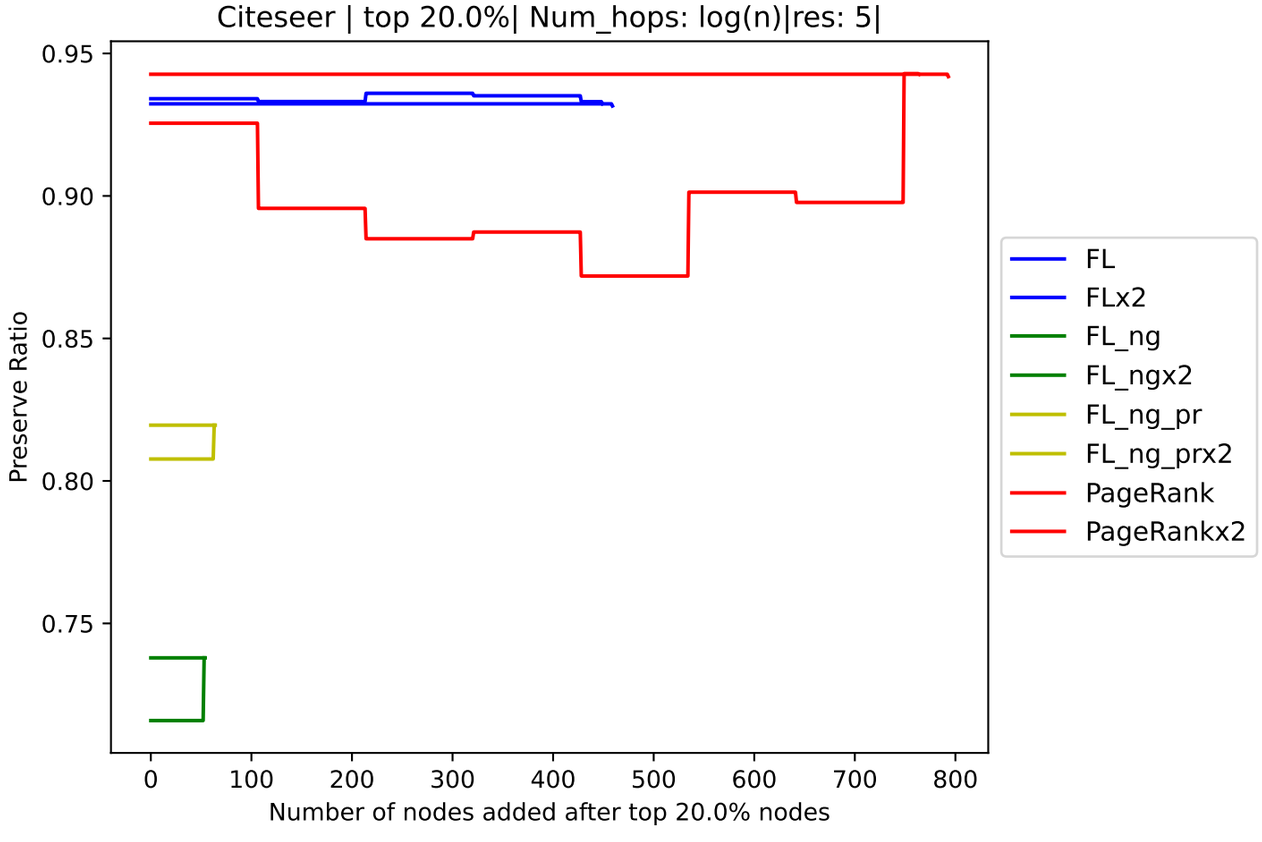
Citeseer | top 20.0%| Num_hops: log(n)|res: 1|

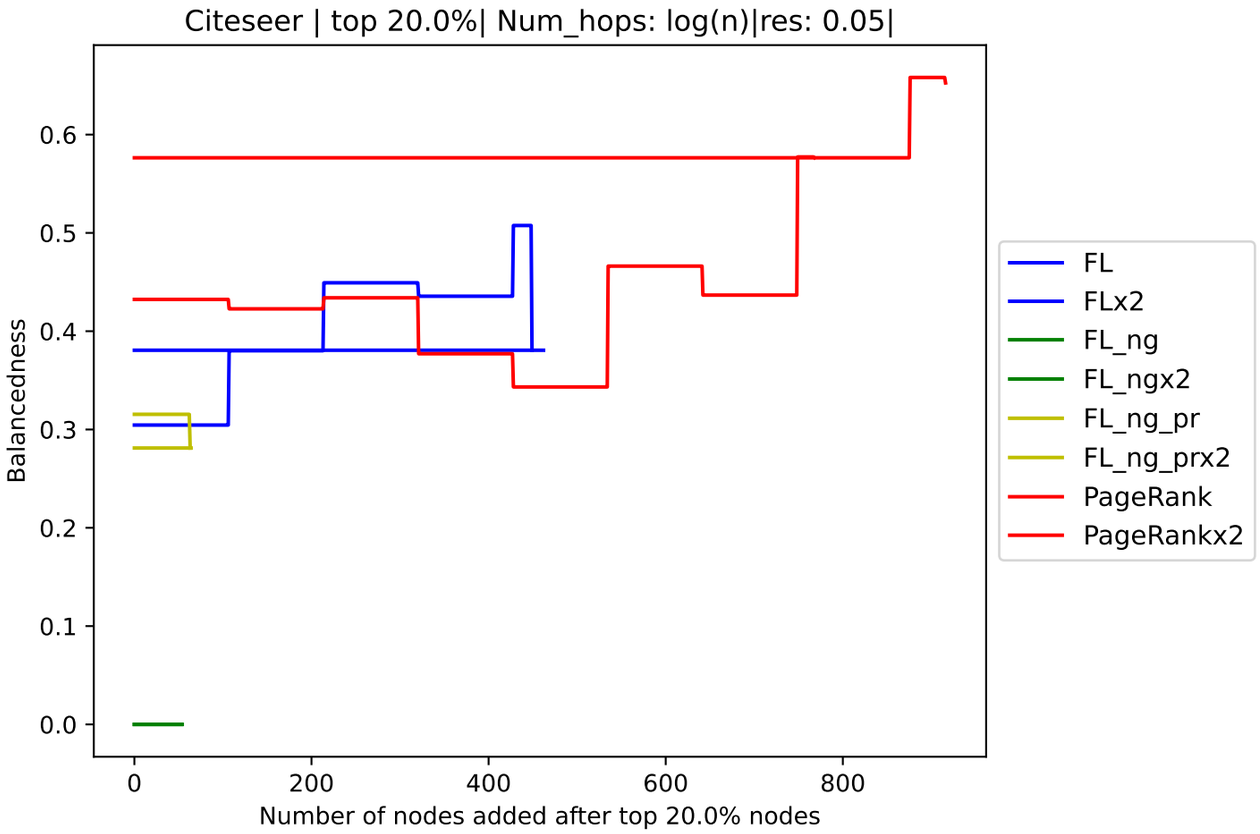


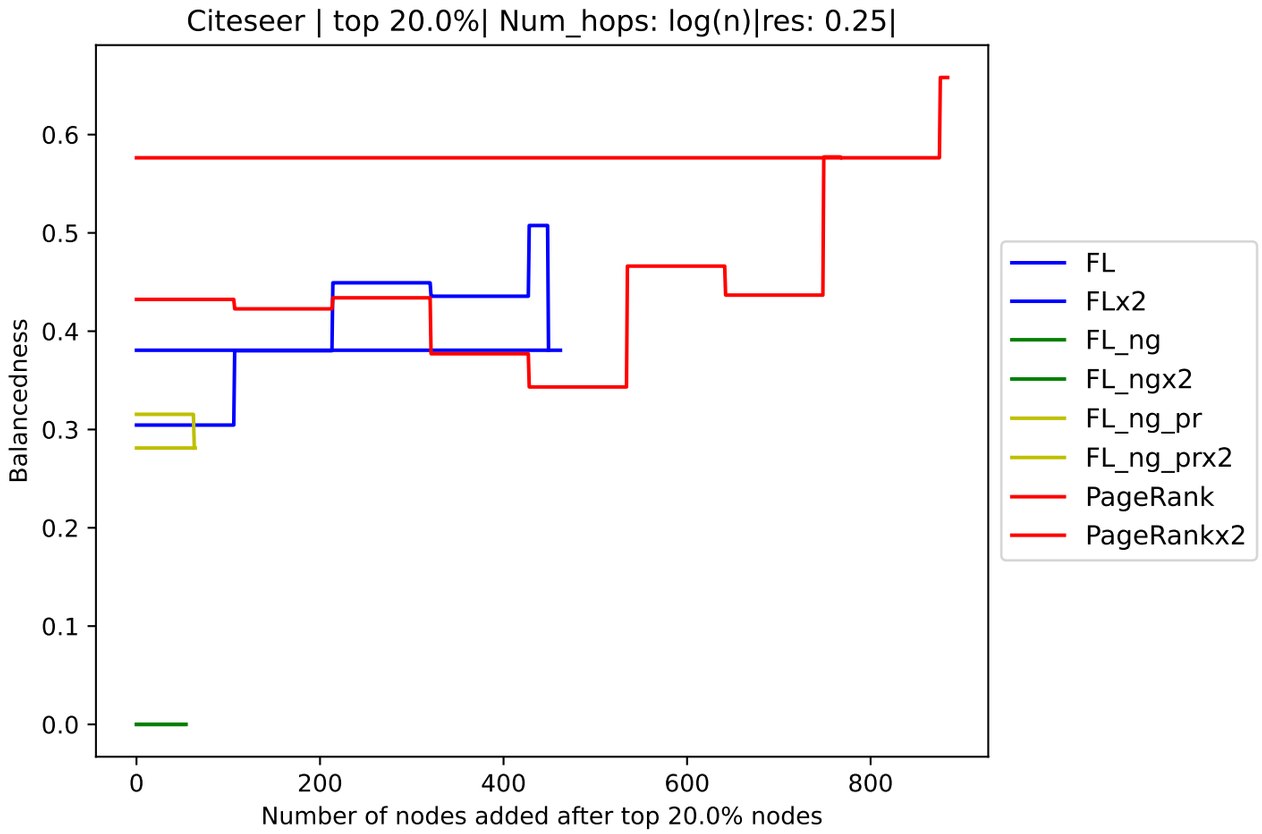
Citeseer | top 20.0%| Num_hops: log(n)|res: 1.5|

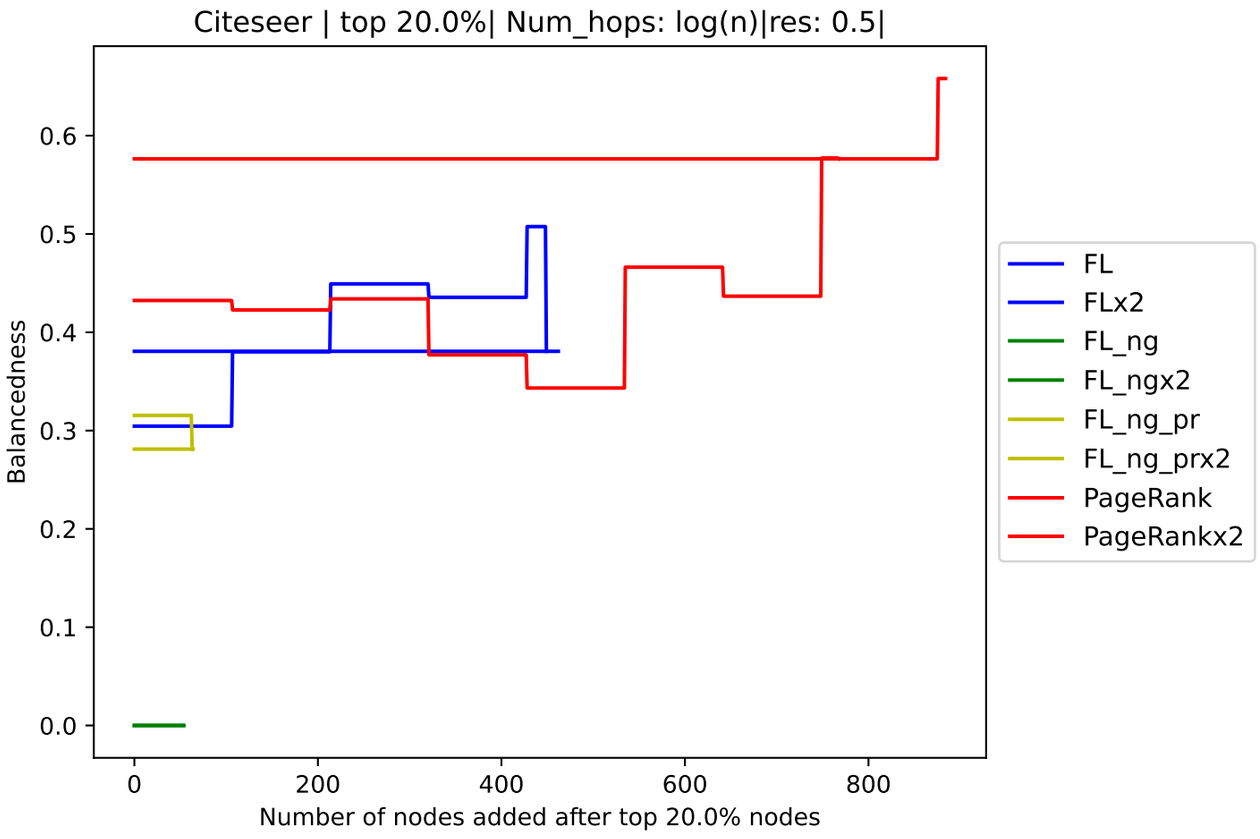


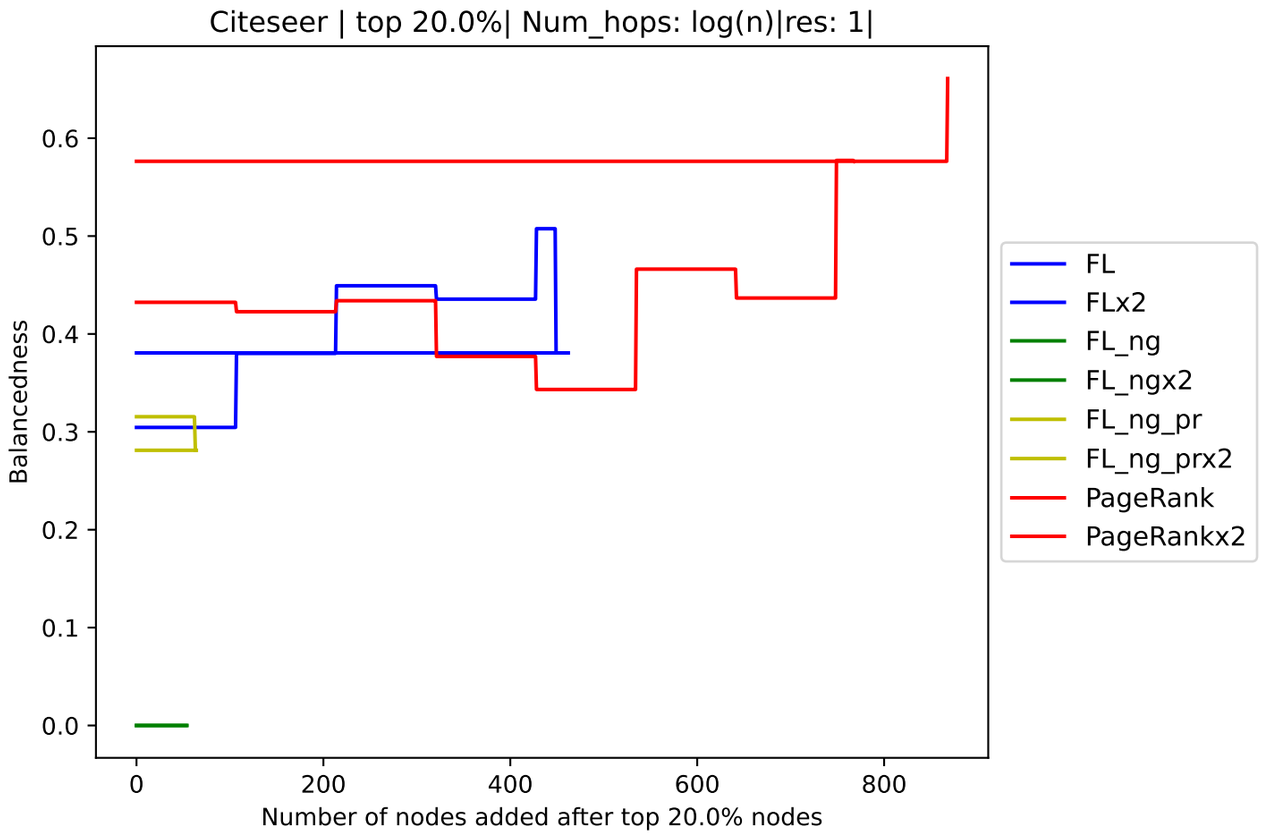
Citeseer | top 20.0%| Num_hops: log(n)|res: 5|

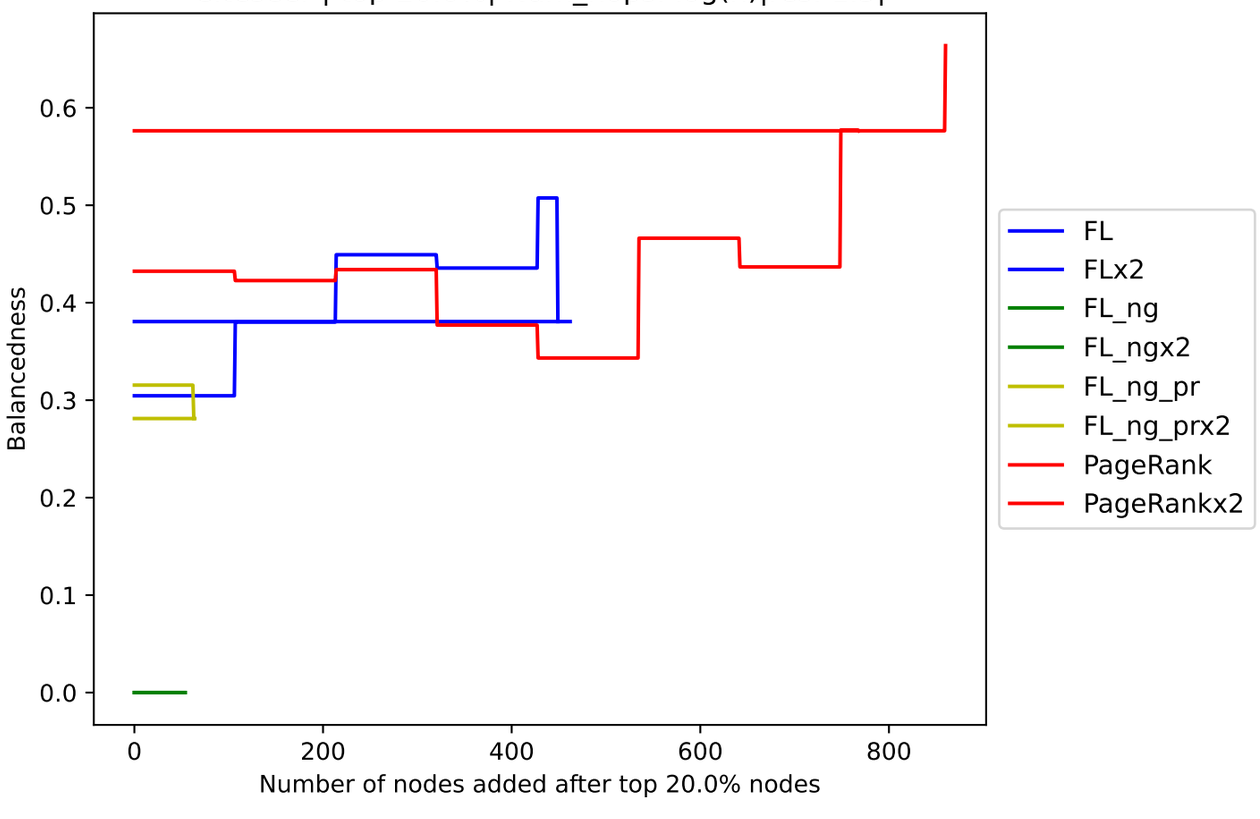


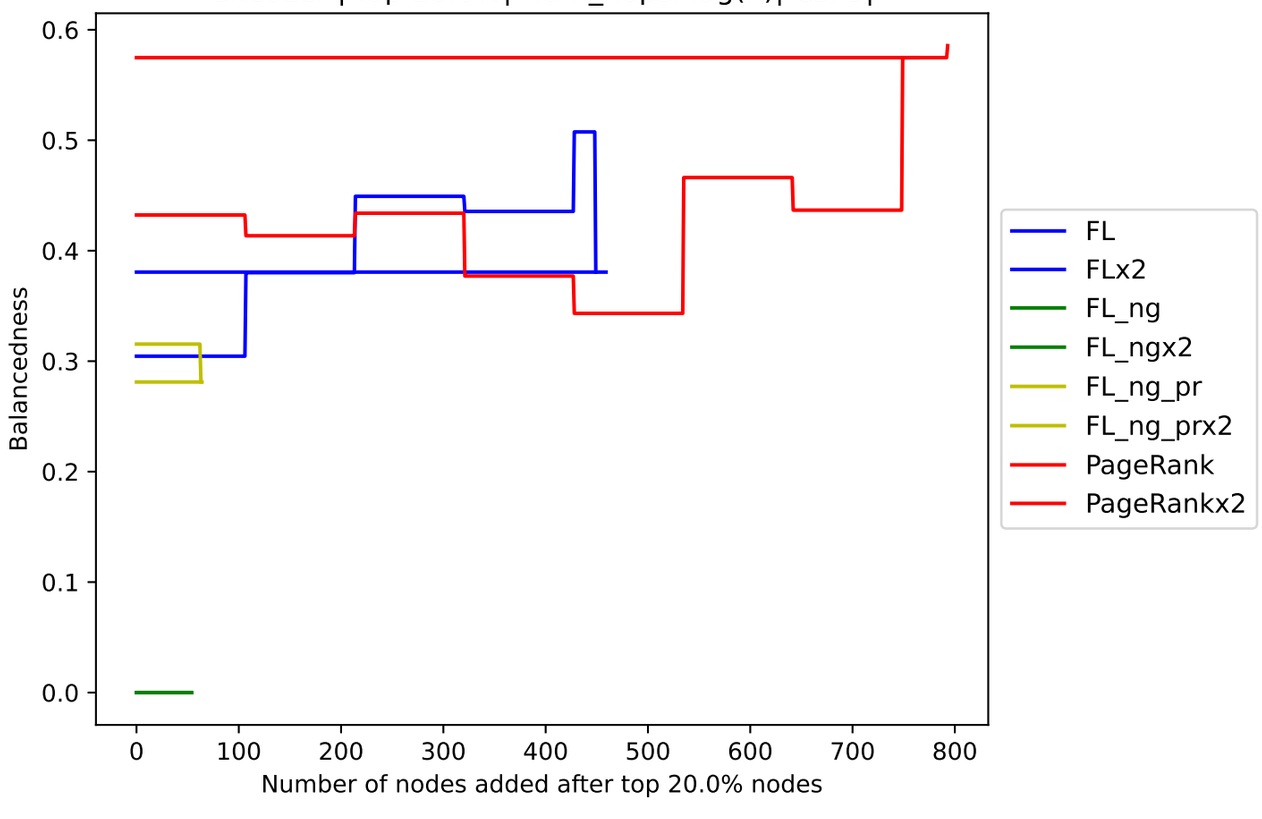

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

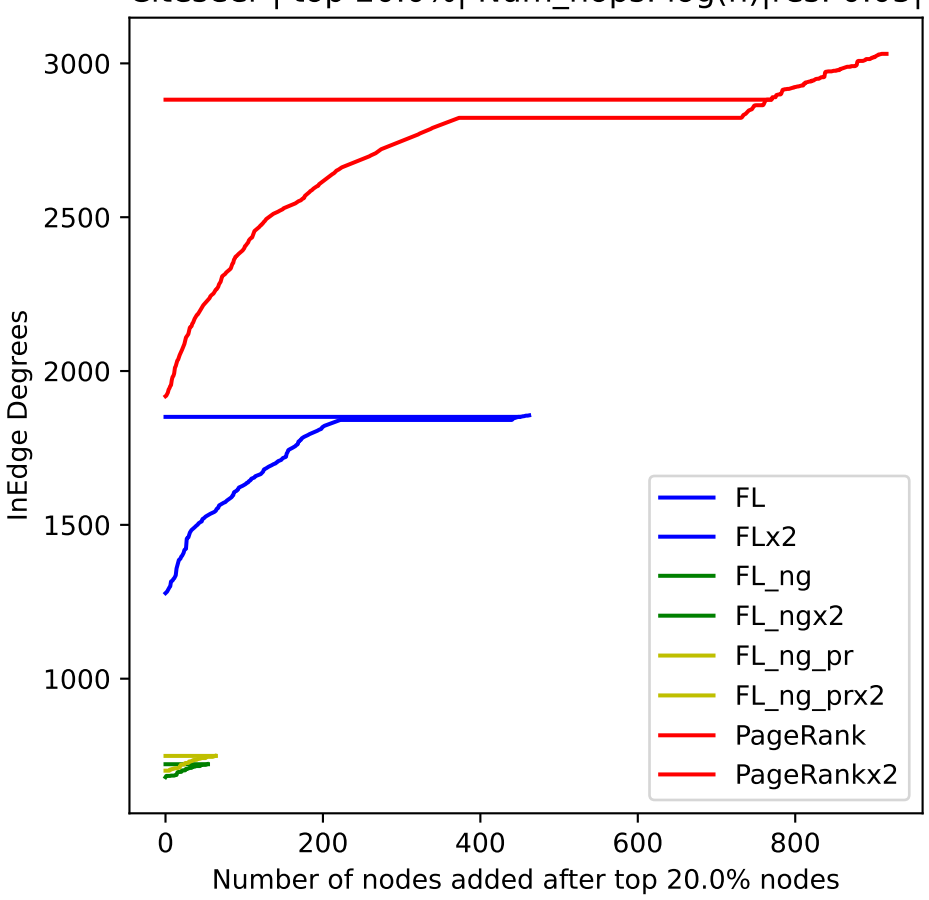

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.25|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

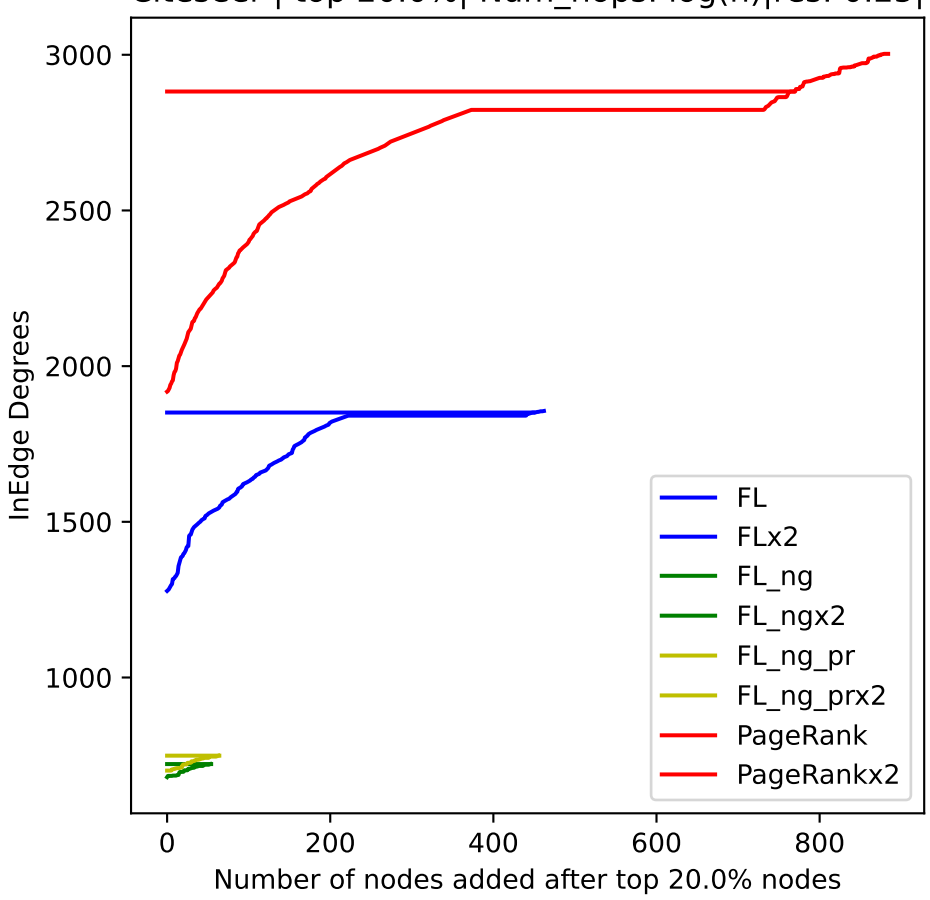

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

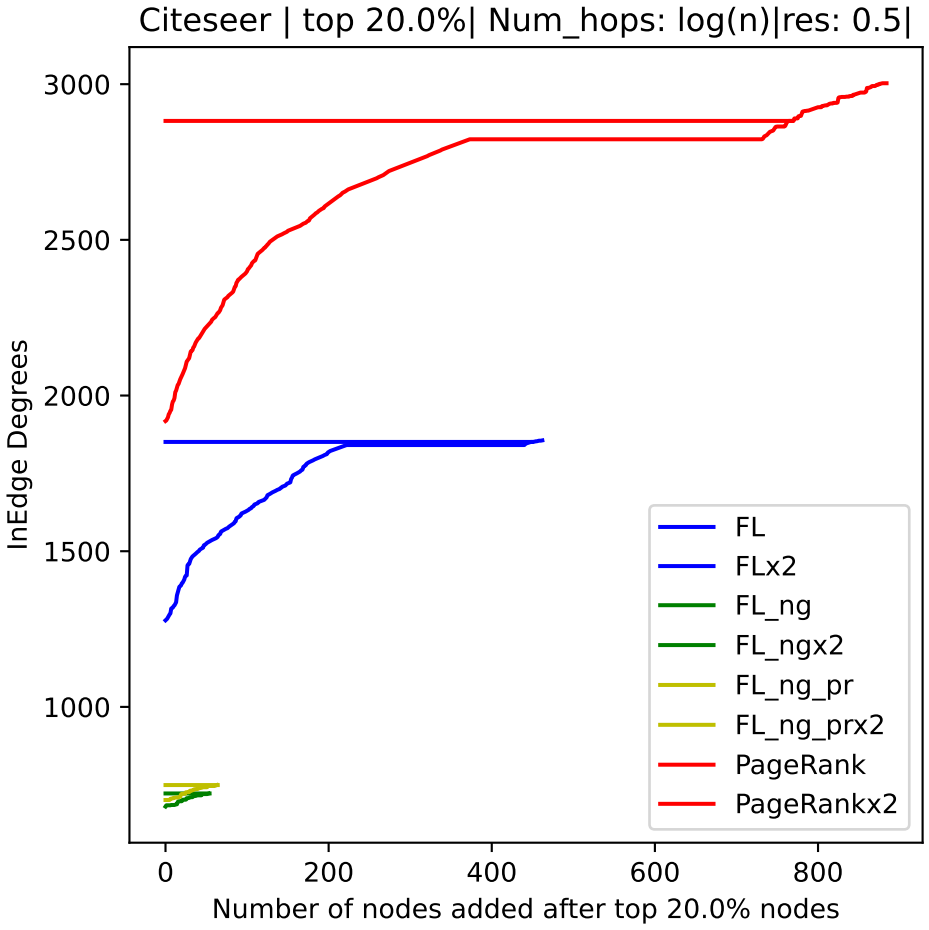

Citeseer | top 20.0%| Num_hops: log(n)|res: 1|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

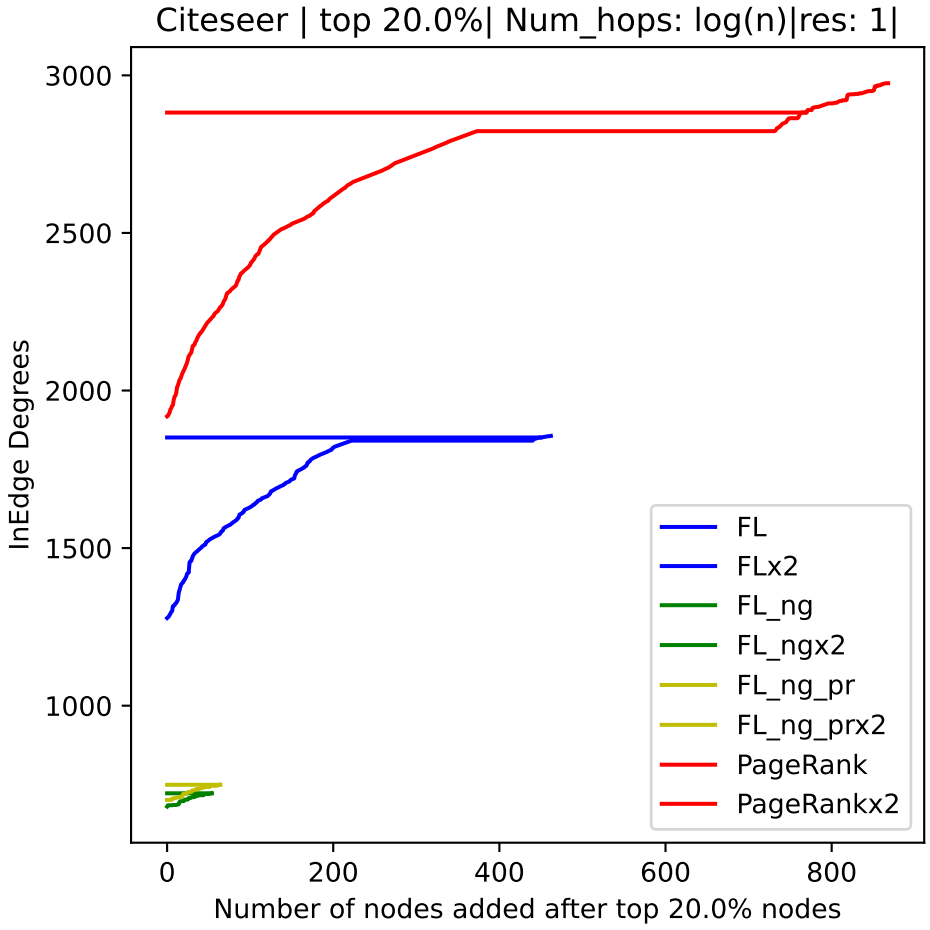

Citeseer | top 20.0%| Num_hops: log(n)|res: 1.5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

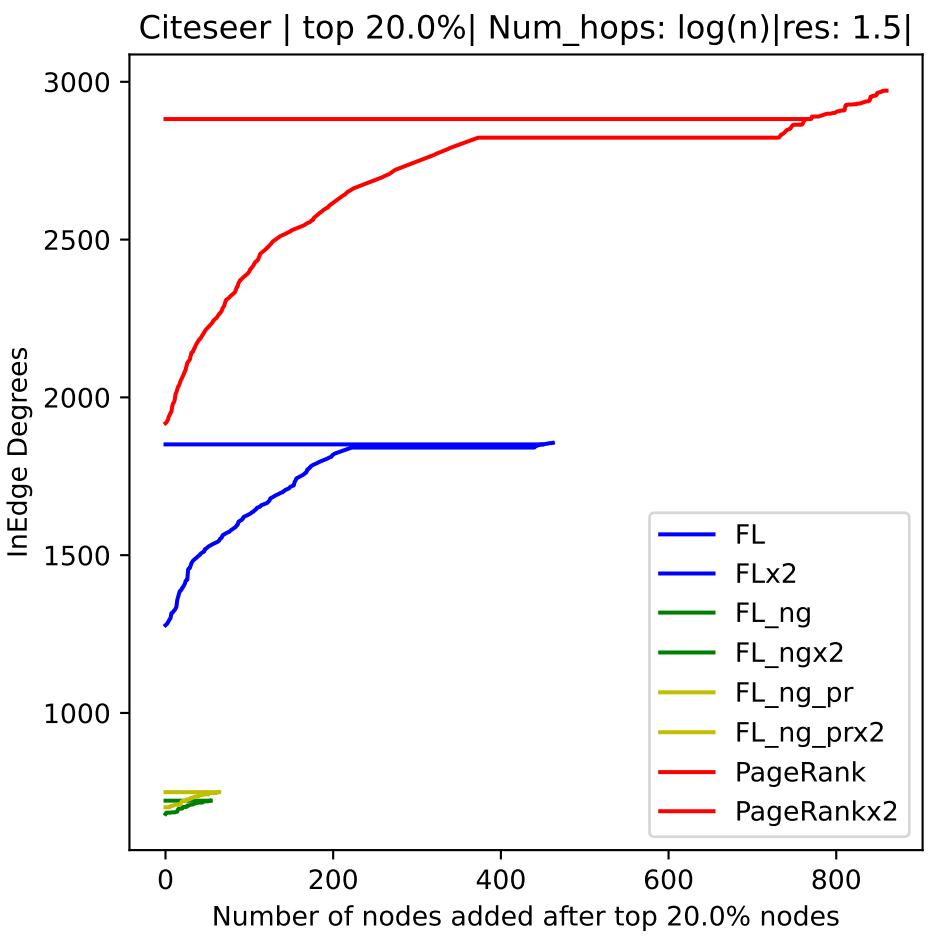

Citeseer | top 20.0%| Num_hops: log(n)|res: 5|
Balancedness
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2

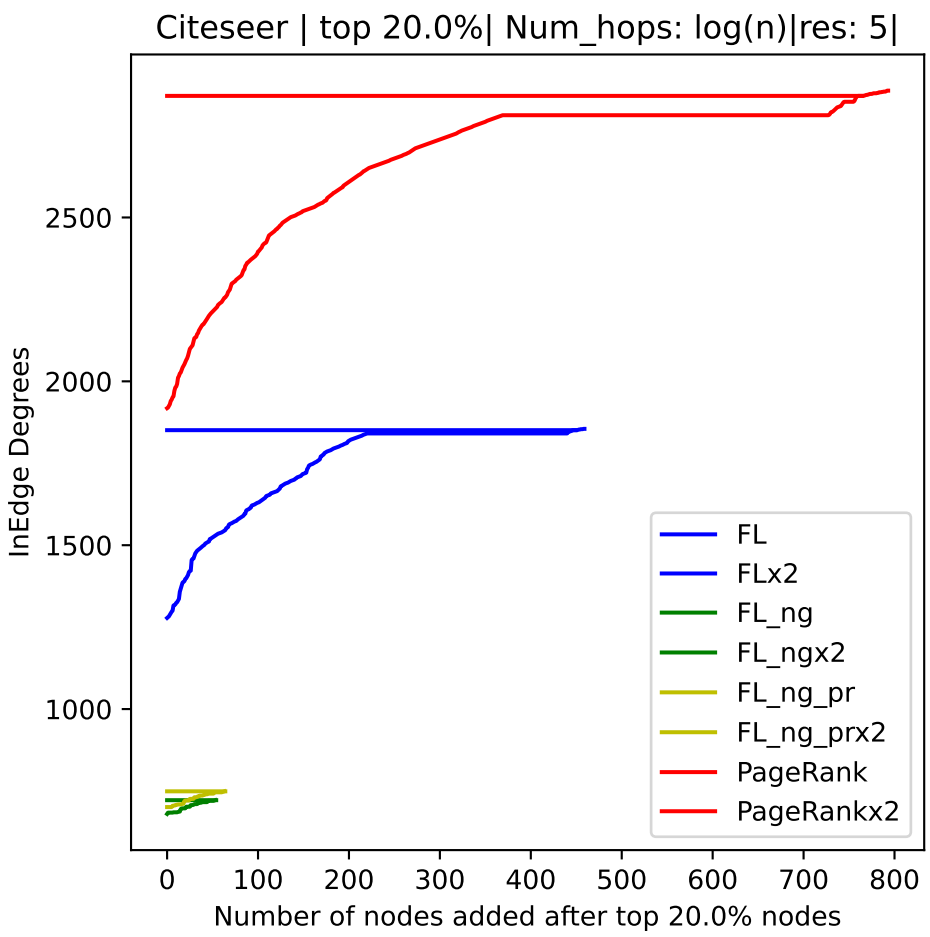

Citeseer | top 20.0%| Num_hops: log(n)|res: 0.05|
InEdge Degrees
Number of nodes added after top 20.0% nodes
FL
FLx2
FL_ng
FL_ngx2
FL_ng_pr
FL_ng_prx2
PageRank
PageRankx2


Citeseer | 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


Citeseer | 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


Citeseer | 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


Citeseer | 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


Citeseer | 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