

Lab 3 Report

List of the top 5 node ids with the highest PageRank scores. Include the scores alongside the ids.

Top 5:

263: 0.0020202911815182184

537: 0.0019433415714531497

965: 0.0019254478071662631

243: 0.001852634016241731

285: 0.0018273721700645144

List of the bottom 5 node ids with the lowest PageRank scores. Include the scores alongside the ids.

Bottom 5:

558: 0.0003286018525215297

93: 0.0003513568937516577

62: 0.00035314810510596274

424: 0.00035481538649301443

408: 0.00038779848719291705

Output of your program for all 40 iterations

Iteration 1:

Top 5:

263: 0.0018759018759018757

502: 0.0018663492063492068

126: 0.001843125763125763

285: 0.001819076479076479

146: 0.0018094549894549898

Bottom 5:

558: 0.00032987012987012985

93: 0.0003714285714285714

62: 0.00037272727272727273

424: 0.00037272727272727273

408: 0.00042153846153846153

Iteration 2:

Top 5:

263: 0.00208871522584906
965: 0.0019612553136778245
537: 0.0018784860606765369
243: 0.0018250404103778125
285: 0.0018120241867479964

Bottom 5:

558: 0.0003279288446041692
93: 0.00034146361574932996
424: 0.0003505007114098023
62: 0.0003743160173160173
408: 0.0003929167721167721

Iteration 3:

Top 5:

263: 0.002023806689320866
537: 0.001930221482836505
965: 0.0019265979884266348
243: 0.0018556711996323286
285: 0.001841159061219935

Bottom 5:

558: 0.0003282667952616296
93: 0.00035036546727648763
424: 0.00035365599001287314
62: 0.0003602146579730995
742: 0.00038778769171214726

Iteration 4:

Top 5:

263: 0.002012460909647064
537: 0.001942342285906805
965: 0.0019272412154498733
243: 0.001851426809420244
285: 0.0018288144290373816

Bottom 5:

558: 0.00032909092286196126
62: 0.0003533337909382194
93: 0.0003533621835896373
424: 0.0003543498735762774
408: 0.0003873714678497322

Iteration 5:

Top 5:

263: 0.0020213013194962386

537: 0.0019452806944060199

965: 0.0019258364033716434

243: 0.0018530462087332255

285: 0.0018276326654513187

Bottom 5:

558: 0.00032866894067525596

93: 0.0003515765552584601

62: 0.0003529650651495678

424: 0.0003549739777031697

408: 0.000387447038978951

Iteration 6:

Top 5:

263: 0.002020648241069512

537: 0.0019432292662412314

965: 0.001925038850797009

243: 0.0018527946111016682

285: 0.0018273513860454682

Bottom 5:

558: 0.0003286462238096283

93: 0.00035139328886295155

62: 0.0003531354120171265

424: 0.00035476760995050013

408: 0.00038788175337971264

Iteration 7:

Top 5:

263: 0.002020369601235596

537: 0.0019433250535116566

965: 0.001925367516613498

243: 0.001852508581885485

285: 0.00182736086946202

Bottom 5:

558: 0.0003286110262377917

93: 0.00035136216621915446

62: 0.00035315542093914017

424: 0.000354757887916795

408: 0.00038783420947034134

Iteration 8:

Top 5:

263: 0.0020203542983988376
537: 0.0019433255693720871
965: 0.001925475615051351
243: 0.0018526035590984596
285: 0.0018273831434829594

Bottom 5:

558: 0.000328608331180942
93: 0.00035136359083937866
62: 0.00035315389185485395
424: 0.00035481668432744095
408: 0.0003878012407954755

Iteration 9:

Top 5:

263: 0.0020202960528814527
537: 0.0019433530029001223
965: 0.0019254540317402155
243: 0.0018526156128594372
285: 0.0018273898544955132

Bottom 5:

558: 0.0003286019447437721
93: 0.0003513574053835857
62: 0.00035315004684195706
424: 0.00035481681938112636
408: 0.00038779670329234085

Iteration 10:

Top 5:

263: 0.002020293211033154
537: 0.0019433405287774387
965: 0.0019254505625726924
243: 0.0018526346907954832
285: 0.001827376100881599

Bottom 5:

558: 0.0003286023969699676
93: 0.0003513569318852105
62: 0.00035314829788007246
424: 0.00035481605111304054
408: 0.0003877984430805082

Iteration 11:

Top 5:

263: 0.0020202944396772184
537: 0.0019433399291228567

965: 0.0019254480408520608
243: 0.00185263456939267
285: 0.0018273718213502957
Bottom 5:
558: 0.0003286018929416965
93: 0.00035135684237922165
62: 0.0003531481448340745
424: 0.00035481525002241897
408: 0.00038779864430396745

Iteration 12:

Top 5:
263: 0.0020202914550268487
537: 0.0019433412256099028
965: 0.001925448024070808
243: 0.0018526342373305596
285: 0.0018273722326772686
Bottom 5:
558: 0.0003286019023452494
93: 0.00035135682438581335
62: 0.0003531480809478779
424: 0.00035481535125811686
408: 0.0003877985341071401

Iteration 13:

Top 5:
263: 0.0020202911047036095
537: 0.001943341663265252
965: 0.0019254478129213507
243: 0.0018526340625993865
285: 0.00182737216593084
Bottom 5:
558: 0.00032860187080141083
93: 0.0003513568931901821
62: 0.0003531481021720569
424: 0.00035481538933431123
408: 0.00038779848933282737

Iteration 14:

Top 5:
263: 0.002020291173339598
537: 0.001943341577437378
965: 0.0019254478363716495
243: 0.001852634018481476

285: 0.001827372167361291
Bottom 5:
558: 0.0003286018518202037
93: 0.0003513568918989727
62: 0.00035314810627196027
424: 0.0003548153879304512
408: 0.00038779848138168567

Iteration 15:
Top 5:
263: 0.0020202911900430746
537: 0.0019433415689862831
965: 0.0019254478029666192
243: 0.0018526340214989263
285: 0.0018273721729218184
Bottom 5:
558: 0.00032860185261145413
93: 0.00035135689203310715
62: 0.000353148105345595
424: 0.000354815384609098
408: 0.0003877984864354349

Iteration 16:
Top 5:
263: 0.0020202911801852756
537: 0.0019433415709515956
965: 0.0019254478068096545
243: 0.0018526340143738833
285: 0.0018273721730432734
Bottom 5:
558: 0.00032860185312545335
93: 0.00035135689453179834
62: 0.00035314810561834877
424: 0.0003548153861189511
408: 0.0003877984866083045

Iteration 17:
Top 5:
263: 0.0020202911804849716
537: 0.0019433415716701716
965: 0.0019254478072224372
243: 0.0018526340160612042
285: 0.0018273721695520708
Bottom 5:

558: 0.00032860185275698913
93: 0.0003513568937942588
62: 0.0003531481051865399
424: 0.000354815386408053
408: 0.000387798487051352

Iteration 18:

Top 5:

263: 0.002020291181244933
537: 0.0019433415713309805
965: 0.001925447807161981
243: 0.0018526340162228554
285: 0.0018273721699185125

Bottom 5:

558: 0.0003286018525504435
93: 0.0003513568937645587
62: 0.00035314810509138927
424: 0.0003548153864745611
408: 0.000387798487143097

Iteration 19:

Top 5:

263: 0.0020202911814371062
537: 0.0019433415713812551
965: 0.0019254478071751588
243: 0.0018526340162229892
285: 0.0018273721700467213

Bottom 5:

558: 0.0003286018525132839
93: 0.00035135689376359334
62: 0.0003531481051139814
424: 0.00035481538647309856
408: 0.00038779848717513526

Iteration 20:

Top 5:

263: 0.002020291181497821
537: 0.0019433415714466542
965: 0.0019254478071563078
243: 0.0018526340162512826
285: 0.0018273721700734899

Bottom 5:

558: 0.00032860185252316603
93: 0.0003513568937498808

62: 0.0003531481051093664
424: 0.00035481538648907617
408: 0.00038779848719566317

Iteration 21:

Top 5:

263: 0.0020202911815162096
537: 0.0019433415714550295
965: 0.001925447807172359
243: 0.0018526340162407944
285: 0.0018273721700628328

Bottom 5:

558: 0.0003286018525218833
93: 0.0003513568937503344
62: 0.0003531481051062342
424: 0.00035481538649196297
408: 0.0003877984871909734

Iteration 22:

Top 5:

263: 0.002020291181517849
537: 0.0019433415714535864
965: 0.0019254478071681809
243: 0.001852634016243628
285: 0.001827372170063878

Bottom 5:

558: 0.0003286018525217163
93: 0.00035135689375105704
62: 0.0003531481051057267
424: 0.00035481538649262325
408: 0.0003877984871926566

Iteration 23:

Top 5:

263: 0.0020202911815189
537: 0.0019433415714532048
965: 0.0019254478071663154
243: 0.0018526340162419099
285: 0.0018273721700644606

Bottom 5:

558: 0.0003286018525215181
93: 0.0003513568937516589
62: 0.0003531481051059607
424: 0.00035481538649295447

408: 0.0003877984871929422

Iteration 24:

Top 5:

263: 0.0020202911815185155
537: 0.0019433415714531885
965: 0.0019254478071663505
243: 0.0018526340162414825
285: 0.0018273721700646861

Bottom 5:

558: 0.0003286018525215335
93: 0.00035135689375166186
62: 0.0003531481051059712
424: 0.0003548153864930318
408: 0.00038779848719291314

Iteration 25:

Top 5:

263: 0.0020202911815182475
537: 0.0019433415714531588
965: 0.0019254478071663032
243: 0.0018526340162416859
285: 0.001827372170064539

Bottom 5:

558: 0.0003286018525215436
93: 0.0003513568937516635
62: 0.00035314810510596675
424: 0.0003548153864930152
408: 0.0003877984871929195

Iteration 26:

Top 5:

263: 0.0020202911815182215
537: 0.0019433415714531525
965: 0.0019254478071662731
243: 0.0018526340162417362
285: 0.0018273721700645127

Bottom 5:

558: 0.0003286018525215321
93: 0.000351356893751659
62: 0.00035314810510596025
424: 0.00035481538649301475
408: 0.00038779848719292117

Iteration 27:

Top 5:

263: 0.0020202911815182163

537: 0.0019433415714531469

965: 0.0019254478071662634

243: 0.0018526340162417334

285: 0.001827372170064512

Bottom 5:

558: 0.00032860185252152937

93: 0.0003513568937516578

62: 0.00035314810510596214

424: 0.0003548153864930153

408: 0.0003877984871929175

Iteration 28:

Top 5:

263: 0.002020291181518219

537: 0.0019433415714531503

965: 0.0019254478071662627

243: 0.0018526340162417312

285: 0.0018273721700645138

Bottom 5:

558: 0.0003286018525215298

93: 0.0003513568937516577

62: 0.00035314810510596285

424: 0.0003548153864930143

408: 0.0003877984871929174

Iteration 29:

Top 5:

263: 0.002020291181518218

537: 0.0019433415714531497

965: 0.0019254478071662634

243: 0.0018526340162417305

285: 0.0018273721700645138

Bottom 5:

558: 0.0003286018525215298

93: 0.0003513568937516578

62: 0.00035314810510596285

424: 0.00035481538649301454

408: 0.0003877984871929171

Iteration 30:

Top 5:

263: 0.0020202911815182184
537: 0.0019433415714531501
965: 0.0019254478071662631
243: 0.0018526340162417312
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.0003548153864930145
408: 0.00038779848719291705

Iteration 31:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531501
965: 0.0019254478071662627
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.00035135689375165774
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 32:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531501
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.0003548153864930145
408: 0.00038779848719291705

Iteration 33:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497

965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.00035135689375165774
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 34:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662627
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 35:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 36:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731

285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 37:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 38:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:
558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 39:

Top 5:
263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144
Bottom 5:

558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705

Iteration 40:

Top 5:

263: 0.0020202911815182184
537: 0.0019433415714531497
965: 0.0019254478071662631
243: 0.001852634016241731
285: 0.0018273721700645144

Bottom 5:

558: 0.0003286018525215297
93: 0.0003513568937516577
62: 0.00035314810510596274
424: 0.00035481538649301443
408: 0.00038779848719291705