Parameters study

**Cora**

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PARAMETER STUDY RESULTS - COMPREHENSIVE COMPARISON

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Alpha t Best\_NMI Best\_Method NMI\_Orig NMI\_PPR NMI\_Heat ACC

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0.15 1 0.6016 Heat 0.5934 0.5956 0.6016 0.2009

0.15 3 0.5882 PPR 0.5834 0.5882 0.5825 0.0469

0.15 5 0.5830 Heat 0.5775 0.5774 0.5830 0.2134

0.15 7 0.5898 Original 0.5898 0.5694 0.5676 0.0240

0.15 10 0.5810 PPR 0.5754 0.5810 0.5718 0.1193

0.2 1 0.5911 Original 0.5911 0.5878 0.5875 0.0273

0.2 3 0.5817 PPR 0.5753 0.5817 0.5770 0.2360

0.2 5 0.5789 PPR 0.5741 0.5789 0.5729 0.2223

0.2 7 0.5929 Heat 0.5845 0.5916 0.5929 0.1200

0.2 10 0.5867 PPR 0.5828 0.5867 0.5839 0.2411

0.25 1 0.5856 PPR 0.5795 0.5856 0.5776 0.0310

0.25 3 0.5830 PPR 0.5769 0.5830 0.5762 0.0716

0.25 5 0.5967 PPR 0.5925 0.5967 0.5929 0.2456

0.25 7 0.5820 Heat 0.5735 0.5778 0.5820 0.0606

0.25 10 0.5886 Original 0.5886 0.5654 0.5839 0.0532

0.3 1 0.5891 Original 0.5891 0.5872 0.5844 0.3102

0.3 3 0.5865 PPR 0.5819 0.5865 0.5823 0.0258

0.3 5 0.5890 Heat 0.5800 0.5872 0.5890 0.0162

0.3 7 0.5763 PPR 0.5682 0.5763 0.5692 0.2566

0.3 10 0.5863 Original 0.5863 0.5793 0.5708 0.0473

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BEST PARAMETER COMBINATIONS

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Best Overall: alpha=0.15, t=1

NMI: 0.6016

Method: Heat

Best PPR: alpha=0.25, t=5, NMI=0.5967

Best Heat: alpha=0.15, t=1, NMI=0.6016  
  
  
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PARAMETER STUDY RESULTS - COMPREHENSIVE COMPARISON

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Alpha t Best\_NMI Best\_Method NMI\_Orig NMI\_PPR NMI\_Heat ACC

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0.15 1 0.3258 PPR 0.3160 0.3258 0.3192 0.0733

0.15 3 0.3299 PPR 0.3259 0.3299 0.3248 0.1770

0.15 5 0.3289 Original 0.3289 0.3270 0.3287 0.2549

0.15 7 0.3311 Original 0.3311 0.3283 0.3191 0.1978

0.15 10 0.3317 PPR 0.3168 0.3317 0.3184 0.2582

0.2 1 0.3442 PPR 0.3092 0.3442 0.3220 0.2582

0.2 3 0.3301 PPR 0.3264 0.3301 0.3294 0.1347

0.2 5 0.3587 PPR 0.3587 0.3166 0.3587 0.3384

0.2 7 0.3258 Original 0.3258 0.3254 0.3250 0.0703

0.2 10 0.3329 Heat 0.3292 0.3326 0.3329 0.2191

0.25 1 0.3192 Original 0.3192 0.3113 0.3113 0.0628

0.25 3 0.3281 Original 0.3281 0.3254 0.3229 0.1088

0.25 5 0.3340 PPR 0.3323 0.3340 0.3176 0.1217

0.25 7 0.3144 PPR 0.3125 0.3144 0.3139 0.2507

0.25 10 0.3329 PPR 0.3269 0.3329 0.3305 0.0872

0.3 1 0.3305 PPR 0.3229 0.3305 0.3233 0.1094

0.3 3 0.3347 PPR 0.3294 0.3347 0.3330 0.0565

0.3 5 0.3420 Original 0.3420 0.3348 0.3355 0.0812

0.3 7 0.3333 Heat 0.3278 0.3323 0.3333 0.1094

0.3 10 0.3307 PPR 0.3302 0.3307 0.3300 0.0613

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BEST PARAMETER COMBINATIONS

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Best Overall: alpha=0.2, t=5

NMI: 0.3587

Method: PPR

Best PPR: alpha=0.2, t=5, NMI=0.3587

Best Heat: alpha=0.2, t=5, NMI=0.3384  
  
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PARAMETER STUDY RESULTS - COMPREHENSIVE COMPARISON

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Alpha t Best\_NMI Best\_Method NMI\_Orig NMI\_PPR NMI\_Heat ACC

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0.15 1 0.3067 PPR 0.2169 0.3067 0.3035 0.6684

0.15 3 0.3074 PPR 0.2799 0.3074 0.2888 0.6697

0.15 5 0.3075 PPR 0.2075 0.3075 0.2744 0.2206

0.15 7 0.3089 PPR 0.2813 0.3089 0.3047 0.1714

0.15 10 0.3083 PPR 0.2083 0.3083 0.3041 0.2187

0.2 1 0.3105 PPR 0.2817 0.3105 0.3072 0.6699

0.2 3 0.3068 PPR 0.2186 0.3068 0.3029 0.2883

0.2 5 0.3091 PPR 0.2204 0.3091 0.3045 0.2856

0.2 7 0.3130 PPR 0.2220 0.3130 0.3078 0.2201

0.2 10 0.3057 PPR 0.2262 0.3057 0.3037 0.2881

0.25 1 0.3086 PPR 0.2178 0.3086 0.3043 0.2213

0.25 3 0.3075 PPR 0.2183 0.3075 0.3040 0.2202

0.25 5 0.3102 PPR 0.2836 0.3102 0.3065 0.1715

0.25 7 0.3132 PPR 0.2857 0.3132 0.3097 0.6722

0.25 10 0.3119 PPR 0.2100 0.3119 0.3075 0.6706

0.3 1 0.3096 PPR 0.2180 0.3096 0.3057 0.1587

0.3 3 0.3046 PPR 0.2026 0.3046 0.2692 0.6666

0.3 5 0.3061 PPR 0.2131 0.3061 0.2728 0.1718

0.3 7 0.3072 PPR 0.2042 0.3072 0.2734 0.6684

0.3 10 0.3076 PPR 0.2043 0.3076 0.3045 0.1589

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BEST PARAMETER COMBINATIONS

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Best Overall: alpha=0.25, t=7

NMI: 0.3132

ACC: 0.6722

Method: PPR

Best PPR: alpha=0.25, t=7, NMI=0.3132