

**HDB, [dense clusters separated by noise], 510 Noise**

|                        | run1              | run2        | run3        | run4        | run5        |
|------------------------|-------------------|-------------|-------------|-------------|-------------|
| max_rnd_rnd            | 0.976517621142228 | 0.966342253 | 0.962956769 | 0.967685141 | 0.957002106 |
| max_rnd_core           | 0.929343546899664 | 0.984170152 | 0.963198591 | 0.990369136 | 0.968502337 |
| max_rnd_border         | 0.851594695783161 | 0.880902357 | 0.865157468 | 0.88785856  | 0.899040324 |
| max_rnd_rnd            | 0.916000580768377 | 0.914269288 | 0.95401262  | 0.975968866 | 0.952358151 |
| max_softDiscard_core   | 0.951142088186782 | 0.981497425 | 0.951717198 | 0.970452238 | 0.985089078 |
| max_hardDiscard_border | 0.866960374328937 | 0.878478439 | 0.810789974 | 0.872104982 | 0.866976487 |
| max_rnd_rnd            | 0.930120377858392 | 0.954528637 | 0.919960804 | 0.927124527 | 0.953811633 |
| max_softDiscard_core   | 0.953483538574513 | 0.974836425 | 0.961869885 | 0.986377062 | 0.967677039 |
| max_hardDiscard_border | 0.825617119025957 | 0.828824324 | 0.810453136 | 0.830535022 | 0.852393612 |
| Random smapling        | 0.9784270812147   | 0.9282887   | 0.97856821  | 0.96981103  | 0.94501215  |

**worms\_2D, [overlapping clusters], 1500 noise poi**

|                        | run1              | run2        | run3        | run4        | run5        |
|------------------------|-------------------|-------------|-------------|-------------|-------------|
| max_rnd_rnd            | 0.93271677741655  | 0.929331692 | 0.926926298 | 0.931773578 | 0.931091091 |
| max_rnd_core           | 0.951099207666626 | 0.949054408 | 0.951757222 | 0.950397217 | 0.950146504 |
| max_rnd_border         | 0.85627055300281  | 0.85624597  | 0.860671043 | 0.858951033 | 0.859129279 |
| max_rnd_rnd            | 0.875888763002698 | 0.875197855 | 0.868891318 | 0.880536831 | 0.879379858 |
| max_softDiscard_core   | 0.924395943425273 | 0.925810127 | 0.926843434 | 0.923515272 | 0.925901641 |
| max_hardDiscard_border | 0.822213745836541 | 0.826258422 | 0.821564229 | 0.825405443 | 0.824128203 |
| max_rnd_rnd            | 0.874618472260249 | 0.870891606 | 0.876805783 | 0.871835983 | 0.877883684 |
| max_softDiscard_core   | 0.92367159590602  | 0.925764862 | 0.925550076 | 0.92654241  | 0.922539264 |
| max_hardDiscard_border | 0.820449090078578 | 0.825342068 | 0.825652472 | 0.820509273 | 0.82596854  |
| Random smapling        | 0.9652750966435   | 0.96288464  | 0.96462947  | 0.9651181   | 0.96201153  |

**2Q, [varying\_density\_clusters], 50 noise points**

|                        | run1              | run2        | run3        | run4        | run5        |
|------------------------|-------------------|-------------|-------------|-------------|-------------|
| max_rnd_rnd            | 0.912115630720428 | 0.929942935 | 0.929942935 | 0.892121281 | 0.959316032 |
| max_rnd_core           | 0.818403329921971 | 0.845350937 | 0.892121281 | 0.788940657 | 0.788940657 |
| max_rnd_border         | 0.892121280577168 | 0.756833632 | 0.929942935 | 0.959316032 | 0.929942935 |
| max_rnd_rnd            | 0.869892685604156 | 0.929942935 | 0.81840333  | 0.684038436 | 0.912115631 |
| max_softDiscard_core   | 0.845350936622436 | 0.81840333  | 0.598347422 | 0.81840333  | 0.81840333  |
| max_hardDiscard_border | 0.869892685604156 | 0.845350937 | 0.869892686 | 0.788940657 | 0.81840333  |
| max_rnd_rnd            | 0.818403329921971 | 0.845350937 | 0.684038436 | 0.845350937 | 0.721928095 |
| max_softDiscard_core   | 0.94566030460064  | 0.845350937 | 0.721928095 | 0.845350937 | 0.892121281 |
| max_hardDiscard_border | 0.892121280577168 | 0.81840333  | 0.892121281 | 0.869892686 | 0.684038436 |
| Random smapling        | 0.9805974409917   | 0.9456603   | 0.91211563  | 0.92994294  | 0.89212128  |

## points

average

0.966100778

0.967116753

0.876910681

0.942521901

0.967979606

0.859062051

0.937109196

0.96884879

0.829564643

0.960021434

## nts

average

0.930367887

0.950490912

0.858253576

0.875978925

0.925293283

0.823914009

0.874407106

0.924813642

0.823584289

0.963983766

## s

average

0.924687763

0.826751372

0.893631363

0.842878603

0.77978167

0.838496059

0.783014347

0.850082311

0.831315402

0.932087518