[420, 211, 348, 342, 445, 159, 37, 329, 239, 316]

Dataset1

DATASET | majority vote | weighted | truthFinder | EM | MV

dataset1 | 404 442 628 17 628

Used EM in this model

dataset2 | 200 398 412 5 412

Used EM in this model

dataset3 | 207 323 405 4 405

Used EM in this model

dataset4 | 34 251 113 1 113

Used EM in this model

dataset5 | 38 165 117 0 117

Used EM in this model

dataset6 | 7 177 32 0 32

Used EM in this model

dataset7 | 3 134 14 0 14

Used EM in this model

dataset8 | 3 123 15 0 15

Used EM in this model

dataset9 | 6 117 18 0 18

Used EM in this model

dataset10 | 1 111 6 0 6

Used EM in this model

(abs(temp)\*\*abs(temp)\*\* 2); random 400 200; test 0.15 0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 1)

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7695035460992907 | 0.7553191489361702

f1 | 0.7544201978544466 | 0.746931897752026

AUC area | 0.621545041432772 | 0.6232558139534884

PR | 0.4116420478458285 | 0.3830451166523221

-------------For dataset 3---------

Using the best (iteration, learning rate)= (160, 0.1)

| new method | baseline

accuracy | 0.7464539007092199 | 0.7074468085106382

f1 | 0.743930268880566 | 0.6863925446727575

AUC area | 0.6311414060411655 | 0.5295108259823575

PR | 0.3855873007674942 | 0.3190702095211749

-------------For dataset 4---------

Using the best (iteration, learning rate)= (160, 0.05)

| new method | baseline

accuracy | 0.7358156028368794 | 0.7304964539007093

f1 | 0.7368768375389226 | 0.7375881745713139

AUC area | 0.6296979417268109 | 0.648062015503876

PR | 0.3843547202817873 | 0.4318945856449057

-------------For dataset 5---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.7269503546099291 | 0.6595744680851063

f1 | 0.7269503546099291 | 0.6747702744372496

AUC area | 0.6130446404704625 | 0.5748195669607057

PR | 0.36067326799014077 | 0.3776779138549258

-------------For dataset 6---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7553191489361702 | 0.7393617021276595

f1 | 0.7360545161912114 | 0.7170126554216795

AUC area | 0.5932638331996792 | 0.5665597433841218

PR | 0.35429182142184446 | 0.38444117366608455

-------------For dataset 7---------

Using the best (iteration, learning rate)= (160, 0.5)

| new method | baseline

accuracy | 0.7340425531914894 | 0.7092198581560284

f1 | 0.7037898936170213 | 0.684974204077912

AUC area | 0.5440256615878107 | 0.5252071638599305

PR | 0.30559610142363713 | 0.2776577084336881

-------------For dataset 8---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7429078014184397 | 0.7553191489361702

f1 | 0.7208628233751257 | 0.7204031832518737

AUC area | 0.5715851376637262 | 0.5605453087409783

PR | 0.3215984378672416 | 0.38559064705730606

-------------For dataset 9---------

Using the best (iteration, learning rate)= (110, 0.1)

| new method | baseline

accuracy | 0.7535460992907801 | 0.7464539007092199

f1 | 0.751814938068407 | 0.7544036323108824

AUC area | 0.643918738305266 | 0.6774926490243252

PR | 0.4514739251049257 | 0.4026638007730146

-------------For dataset 10---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.7234042553191489 | 0.6595744680851063

f1 | 0.7003413160741114 | 0.6747702744372496

AUC area | 0.545308740978348 | 0.5748195669607057

PR | 0.2760923051555266 | 0.3776779138549258

(len(diag)\*\*abs(temp))

-------------For dataset 1---------

Using the best subsample = 0.8

the accuracy is: 0.7805851063829787

Originally: Using the best subsample = 0.8

the accuracy is: 0.7712765957446809

------------- This Dataset Ends Here---------

-------------For dataset 2---------

Using the best subsample = 0.6

the accuracy is: 0.7765957446808511

Originally: Using the best subsample = 0.6

the accuracy is: 0.7752659574468085

------------- This Dataset Ends Here---------

-------------For dataset 3---------

Using the best subsample = 1.0

the accuracy is: 0.7672872340425532

Originally: Using the best subsample = 1.0

the accuracy is: 0.7845744680851063

------------- This Dataset Ends Here---------

-------------For dataset 4---------

Using the best subsample = 0.9

the accuracy is: 0.7779255319148937

Originally: Using the best subsample = 0.9

the accuracy is: 0.7832446808510638

------------- This Dataset Ends Here---------

-------------For dataset 5---------

Using the best subsample = 0.8

the accuracy is: 0.7819148936170213

Originally: Using the best subsample = 0.8

the accuracy is: 0.7779255319148937

------------- This Dataset Ends Here---------

-------------For dataset 6---------

Using the best subsample = 0.8

the accuracy is: 0.7752659574468085

Originally: Using the best subsample = 0.8

the accuracy is: 0.7765957446808511

------------- This Dataset Ends Here---------

-------------For dataset 7---------

Using the best subsample = 0.8

the accuracy is: 0.7699468085106382

Originally: Using the best subsample = 0.8

the accuracy is: 0.7779255319148937

------------- This Dataset Ends Here---------

-------------For dataset 8---------

Using the best subsample = 0.6

the accuracy is: 0.7712765957446809

Originally: Using the best subsample = 0.6

the accuracy is: 0.7805851063829787

------------- This Dataset Ends Here---------

-------------For dataset 9---------

Using the best subsample = 0.6

the accuracy is: 0.7832446808510638

Originally: Using the best subsample = 0.6

the accuracy is: 0.7832446808510638

------------- This Dataset Ends Here---------

-------------For dataset 10---------

Using the best subsample = 0.7

the accuracy is: 0.7659574468085106

Originally: Using the best subsample = 0.7

the accuracy is: 0.7287234042553192

------------- This Dataset Ends Here---------

Random: 400/200 w.append((abs(temp)\*\*abs(temp)\*\* 2)); size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7486702127659575 | 0.7566489361702128

f1 | 0.7288440043141485 | 0.7290263479889435

AUC area | 0.577421722113503 | 0.5698385518590998

PR | 0.3468184478506635 | 0.37009215868119916

-------------For dataset 2---------

Using the best (iteration, learning rate)= (110, 0.05)

| new method | baseline

accuracy | 0.7021276595744681 | 0.7287234042553192

f1 | 0.7155300637328216 | 0.7383431416930739

AUC area | 0.628016960208741 | 0.6515003261578604

PR | 0.321847338184825 | 0.41064315433076315

-------------For dataset 3---------

Using the best (iteration, learning rate)= (10, 1)

| new method | baseline

accuracy | 0.7406914893617021 | 0.6914893617021276

f1 | 0.7551890963949436 | 0.710102703674561

AUC area | 0.7037263535551206 | 0.6423679060665362

PR | 0.4616236926678952 | 0.4255883752652476

-------------For dataset 4---------

Using the best (iteration, learning rate)= (60, 1)

| new method | baseline

accuracy | 0.6968085106382979 | 0.6821808510638299

f1 | 0.7061937317256466 | 0.6992772998735867

AUC area | 0.5991519895629485 | 0.6151744944553164

PR | 0.3074916560508073 | 0.3069075100754863

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7313829787234043 | 0.7154255319148937

f1 | 0.7106661104157975 | 0.7188549581500201

AUC area | 0.5535714285714286 | 0.6026581865622961

PR | 0.2790739806749635 | 0.37877690571967476

-------------For dataset 6---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.75 | 0.7473404255319149

f1 | 0.7415627850410458 | 0.733678313949107

AUC area | 0.610078277886497 | 0.5914057403783431

PR | 0.4146027383133176 | 0.36489105164090335

-------------For dataset 7---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7593085106382979 | 0.7473404255319149

f1 | 0.7473940875375767 | 0.733678313949107

AUC area | 0.611831376386171 | 0.5914057403783431

PR | 0.3596537190794632 | 0.36489105164090335

-------------For dataset 8---------

Using the best (iteration, learning rate)= (60, 1)

| new method | baseline

accuracy | 0.7646276595744681 | 0.7367021276595744

f1 | 0.7543671745919713 | 0.7355653096738125

AUC area | 0.6237361382909328 | 0.6163568166992824

PR | 0.3827810018975266 | 0.38958974842242644

-------------For dataset 9---------

Using the best (iteration, learning rate)= (160, 0.05)

| new method | baseline

accuracy | 0.7220744680851063 | 0.7021276595744681

f1 | 0.7286584977549697 | 0.7159038726465635

AUC area | 0.6260192433137639 | 0.6301369863013698

PR | 0.39399402685720136 | 0.4004979475263122

-------------For dataset 10---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.75 | 0.7154255319148937

f1 | 0.7200343424539922 | 0.7188549581500201

AUC area | 0.5570776255707762 | 0.6026581865622961

PR | 0.3037181365912515 | 0.37877690571967476

Dataset2: less positive examples

DATASET | majority vote | weighted | truthFinder | EM | MV

dataset1 | 290 231 509 12 509

Used EM in this model

dataset2 | 164 315 333 6 333

Used EM in this model

dataset3 | 114 326 280 0 280

Used EM in this model

dataset4 | 66 249 151 1 151

Used EM in this model

dataset5 | 51 176 148 0 148

Used EM in this model

dataset6 | 9 161 33 0 33

Used EM in this model

dataset7 | 6 119 34 0 34

Used EM in this model

dataset8 | 10 145 35 0 35

Used EM in this model

dataset9 | 7 87 21 0 21

Used EM in this model

dataset10 | 3 214 14 0 14

Used EM in this model

[307, 441, 371, 427, 162]

-------------For dataset 1---------

| new method | baseline

accuracy | 0.746938775510204 ( 0.014777222821328284 ) | 0.7402597402597403 ( 0.021347903322660566 )

f1 | 0.7248157562101473 ( 0.018612841213620605 ) | 0.7185587074753224 ( 0.024043065285203852 )

AUC area | 0.5966582715341582 ( 0.013142070587079759 ) | 0.5900552482895345 ( 0.014903109895891465 )

PR | 0.42517717406340816 ( 0.038382837837906726 ) | 0.41782849460872684 ( 0.04374718479750291 )

-------------For dataset 2---------

| new method | baseline

accuracy | 0.7383228200371057 ( 0.020572788535256573 ) | 0.734404452690167 ( 0.012473273702390802 )

f1 | 0.711234203448307 ( 0.024448763968519104 ) | 0.7211808955798347 ( 0.014581132052167843 )

AUC area | 0.5804533103966927 ( 0.02535531115630741 ) | 0.5972682662037949 ( 0.007132666679697441 )

PR | 0.4019217440015712 ( 0.042076272114601604 ) | 0.3988655307396781 ( 0.02578566650375981 )

-------------For dataset 3---------

| new method | baseline

accuracy | 0.7432282003710575 ( 0.02010570268518601 ) | 0.7276437847866418 ( 0.018898451322073212 )

f1 | 0.7211857065761618 ( 0.02364215693879068 ) | 0.7086702736714471 ( 0.023913285005525874 )

AUC area | 0.5921728878268346 ( 0.028820231540593585 ) | 0.5814994391841111 ( 0.023993751608727503 )

PR | 0.40995425377108796 ( 0.05543887290117834 ) | 0.39122913331694925 ( 0.04283292682793598 )

-------------For dataset 4---------

| new method | baseline

accuracy | 0.7256029684601112 ( 0.014453392729916371 ) | 0.7263450834879406 ( 0.015726229927852206 )

f1 | 0.7207806451587994 ( 0.015062106154664008 ) | 0.7263368783645401 ( 0.014015577927733548 )

AUC area | 0.6174958095160662 ( 0.01664484823101682 ) | 0.6345760853021054 ( 0.014955751016895811 )

PR | 0.40646654709019936 ( 0.026995563546233392 ) | 0.4394269223757498 ( 0.03985696386280678 )

-------------For dataset 5---------

| new method | baseline

accuracy | 0.743599257884972 ( 0.007730117497588003 ) | 0.738404452690167 ( 0.009164444553045253 )

f1 | 0.720714803838986 ( 0.013306444526870657 ) | 0.7211904814415832 ( 0.01255672260342723 )

AUC area | 0.5914167517646548 ( 0.016521182291633924 ) | 0.5977654343210593 ( 0.012084863687751381 )

PR | 0.40430044279489163 ( 0.03795567833431208 ) | 0.4109133657219549 ( 0.04457465332612399 )

-------------For dataset 6---------

| new method | baseline

accuracy | 0.720964749536178 ( 0.021543715572534 ) | 0.7133580705009276 ( 0.015857011638472418 )

f1 | 0.717743189764764 ( 0.020844246798569225 ) | 0.7122167156010997 ( 0.014516543932683985 )

AUC area | 0.6164984032935953 ( 0.022635897163380696 ) | 0.6135411136823457 ( 0.01341507247916954 )

PR | 0.4002367947894867 ( 0.03913429501869479 ) | 0.37966991517741644 ( 0.026868829084101674 )

-------------For dataset 7---------

| new method | baseline

accuracy | 0.7454545454545455 ( 0.019401731298554898 ) | 0.7376623376623377 ( 0.015008347618669156 )

f1 | 0.7227226059056513 ( 0.020676202525130083 ) | 0.7166492597524335 ( 0.019906028530588364 )

AUC area | 0.5936218930282228 ( 0.013488207842736287 ) | 0.5893410405026958 ( 0.01590638147940756 )

PR | 0.4285855854156736 ( 0.03686012588043568 ) | 0.3990747723084671 ( 0.038525409800888845 )

-------------For dataset 8---------

| new method | baseline

accuracy | 0.7313543599257886 ( 0.01738039098869071 ) | 0.7261595547309834 ( 0.028224772179200906 )

f1 | 0.7119210749914895 ( 0.020381845567169137 ) | 0.7113522267308108 ( 0.031191066050967827 )

AUC area | 0.5845366288563809 ( 0.009923051876554668 ) | 0.5896982553877852 ( 0.02740852962733249 )

PR | 0.3960476230889414 ( 0.009566931886768581 ) | 0.3832245579826458 ( 0.041197600875665846 )

-------------For dataset 9---------

| new method | baseline

accuracy | 0.7365491651205938 ( 0.010025421956294078 ) | 0.7320964749536178 ( 0.005819809699947393 )

f1 | 0.715516888290131 ( 0.01625161501879937 ) | 0.7164595243330979 ( 0.00927193000112133 )

AUC area | 0.5869060852134836 ( 0.026621896398396263 ) | 0.5938297905072171 ( 0.012251021410571552 )

PR | 0.3882216773847736 ( 0.037589739702435815 ) | 0.4072321541414845 ( 0.0395644709766055 )

-------------For dataset 10---------

| new method | baseline

accuracy | 0.738404452690167 ( 0.0154334948742749 ) | 0.7207792207792207 ( 0.015483594718891535 )

f1 | 0.7212638541247754 ( 0.016593281702092243 ) | 0.7109259452428967 ( 0.01490872403516076 )

AUC area | 0.6007264789129765 ( 0.02006480918943036 ) | 0.5968935696108529 ( 0.016188291892930737 )

PR | 0.40214784640688556 ( 0.032615392495678006 ) | 0.3896986684106173 ( 0.02201402534551614 )

73, 101, 423, 260, 458

-------------For dataset 1---------

| new method | baseline

accuracy | 0.7153988868274583 ( 0.021173050267439125 ) | 0.6994434137291281 ( 0.027089739886373254 )

f1 | 0.6818566492163484 ( 0.028471318150891337 ) | 0.6724075562566798 ( 0.03177463904421985 )

AUC area | 0.5222223784671314 ( 0.04578743779385834 ) | 0.5136152941002088 ( 0.044187713933760135 )

PR | 0.2746297275987339 ( 0.09383555301071644 ) | 0.2730907406283253 ( 0.08670158623019415 )

-------------For dataset 2---------

| new method | baseline

accuracy | 0.7083487940630796 ( 0.02239909205608396 ) | 0.6886827458256031 ( 0.028244277898308065 )

f1 | 0.6778869760435636 ( 0.029581452728604216 ) | 0.6667508387612455 ( 0.033747920659323 )

AUC area | 0.5190607751271494 ( 0.043285495880228356 ) | 0.5106514820337319 ( 0.046739659983157975 )

PR | 0.2784945639774463 ( 0.09602394962805116 ) | 0.2584100499412048 ( 0.06277175975812194 )

-------------For dataset 3---------

| new method | baseline

accuracy | 0.6786641929499073 ( 0.026509196437093506 ) | 0.6575139146567718 ( 0.03821351980093653 )

f1 | 0.6628425004433572 ( 0.03078428188827058 ) | 0.6566811903436519 ( 0.040327479664824695 )

AUC area | 0.5100564247961186 ( 0.04725762085236285 ) | 0.5193283487271095 ( 0.05956615755866967 )

PR | 0.26120326916127323 ( 0.07953354473674078 ) | 0.2646060840263123 ( 0.06127835000263871 )

-------------For dataset 4---------

| new method | baseline

accuracy | 0.70278293135436 ( 0.03207877513402743 ) | 0.6794063079777366 ( 0.025313629537381126 )

f1 | 0.6817486285267755 ( 0.03408480309691715 ) | 0.6649423129211509 ( 0.028088865192975685 )

AUC area | 0.5292955334720675 ( 0.048048663440704374 ) | 0.5139181330525368 ( 0.041878385374166036 )

PR | 0.2773777507433538 ( 0.08319120140696598 ) | 0.25451238016791977 ( 0.05130932839776458 )

-------------For dataset 5---------

| new method | baseline

accuracy | 0.6805194805194805 ( 0.029531143229790818 ) | 0.6593692022263452 ( 0.026952162964504475 )

f1 | 0.6627607535273461 ( 0.033355627622986855 ) | 0.6530610820100266 ( 0.027931267549268238 )

AUC area | 0.5080855105999765 ( 0.04893516502995027 ) | 0.5064241413568502 ( 0.04233369175065535 )

PR | 0.2529127219242516 ( 0.06023870160572743 ) | 0.25306239155289745 ( 0.05207557708951451 )

-------------For dataset 6---------

| new method | baseline

accuracy | 0.7087198515769944 ( 0.009460147520580308 ) | 0.6994434137291281 ( 0.027089739886373254 )

f1 | 0.6743981603063643 ( 0.017682903595215693 ) | 0.6724075562566798 ( 0.03177463904421985 )

AUC area | 0.5129882619885182 ( 0.024663075881080278 ) | 0.5136152941002088 ( 0.044187713933760135 )

PR | 0.2699333861965839 ( 0.06781869712959997 ) | 0.2730907406283253 ( 0.08670158623019415 )

-------------For dataset 7---------

| new method | baseline

accuracy | 0.7072356215213358 ( 0.025012689493658962 ) | 0.6886827458256031 ( 0.028244277898308065 )

f1 | 0.6798920178942078 ( 0.026006212588860312 ) | 0.6667508387612455 ( 0.033747920659323 )

AUC area | 0.5221819949612819 ( 0.033278933257511106 ) | 0.5106514820337319 ( 0.046739659983157975 )

PR | 0.27368006966717207 ( 0.06935682667307504 ) | 0.2584100499412048 ( 0.06277175975812194 )

-------------For dataset 8---------

| new method | baseline

accuracy | 0.6864564007421151 ( 0.027668054741828967 ) | 0.6627087198515771 ( 0.03435840305653442 )

f1 | 0.6705420763955641 ( 0.03020189364227271 ) | 0.6565031979046843 ( 0.035967486607485596 )

AUC area | 0.5197826768690078 ( 0.042896140324526044 ) | 0.5120235814589408 ( 0.05454055537165523 )

PR | 0.26648082345728563 ( 0.07172549270547393 ) | 0.26336547373085417 ( 0.06703707398806472 )

-------------For dataset 9---------

| new method | baseline

accuracy | 0.7001855287569574 ( 0.0344824049142529 ) | 0.6627087198515771 ( 0.03435840305653442 )

f1 | 0.6761330788367773 ( 0.03759562077724258 ) | 0.6565031979046843 ( 0.035967486607485596 )

AUC area | 0.5218391959230949 ( 0.05475291367049559 ) | 0.5120235814589408 ( 0.05454055537165523 )

PR | 0.2766256317292292 ( 0.08240819794562447 ) | 0.26336547373085417 ( 0.06703707398806472 )

-------------For dataset 10---------

| new method | baseline

accuracy | 0.706864564007421 ( 0.026106210165993113 ) | 0.6994434137291281 ( 0.027089739886373254 )

f1 | 0.675746314902455 ( 0.03141740621377559 ) | 0.6724075562566798 ( 0.03177463904421985 )

AUC area | 0.5157609252438966 ( 0.04655984786962133 ) | 0.5136152941002088 ( 0.044187713933760135 )

PR | 0.27435693009044204 ( 0.08335670097330969 ) | 0.2730907406283253 ( 0.08670158623019415 )

Random: 1; w.append((abs(temp)\*\*3)); size 0.15,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.7395543175487465 | 0.7144846796657381

f1 | 0.7279818962746032 | 0.7173080726759782

AUC area | 0.5810540776820282 | 0.592532670277144

PR | 0.3249901598692193 | 0.32718526503973083

-------------For dataset 2---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7214484679665738 | 0.7325905292479109

f1 | 0.7384699235495743 | 0.7458030330915717

AUC area | 0.6795531182942198 | 0.672922556399514

PR | 0.45544176525371405 | 0.45220395038939604

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7353760445682451 | 0.7325905292479109

f1 | 0.7500870473537604 | 0.7458030330915717

AUC area | 0.6884657742656993 | 0.672922556399514

PR | 0.4595050189549574 | 0.45232517770322583

-------------For dataset 4---------

Using the best (iteration, learning rate)= (110, 0.05)

| new method | baseline

accuracy | 0.7367688022284122 | 0.7451253481894151

f1 | 0.742508953037519 | 0.7542131234646287

AUC area | 0.6389011887325864 | 0.6694767078806044

PR | 0.44088947235014364 | 0.44282289615428294

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7451253481894151 | 0.7325905292479109

f1 | 0.7561452329609925 | 0.7458030330915717

AUC area | 0.6809439467738456 | 0.672922556399514

PR | 0.47831522283952743 | 0.45232517770322583

-------------For dataset 6---------

Using the best (iteration, learning rate)= (160, 0.01)

| new method | baseline

accuracy | 0.7228412256267409 | 0.7256267409470751

f1 | 0.7390357340170359 | 0.7403905833293688

AUC area | 0.6758574883340714 | 0.6707596761924225

PR | 0.4566373007652292 | 0.4464817707929908

-------------For dataset 7---------

Using the best (iteration, learning rate)= (160, 1)

| new method | baseline

accuracy | 0.7743732590529248 | 0.7325905292479109

f1 | 0.757819947504747 | 0.7211259443445431

AUC area | 0.6125095087253198 | 0.572010854138992

PR | 0.36324047006569127 | 0.3415812638709299

-------------For dataset 8---------

Using the best (iteration, learning rate)= (110, 0.1)

| new method | baseline

accuracy | 0.7256267409470751 | 0.7618384401114207

f1 | 0.7321185688809692 | 0.7567996936059131

AUC area | 0.624890720619458 | 0.6320094916947672

PR | 0.3428254330049889 | 0.37683967719369094

-------------For dataset 9---------

Using the best (iteration, learning rate)= (160, 0.05)

| new method | baseline

accuracy | 0.7674094707520891 | 0.7590529247910863

f1 | 0.7671414780569593 | 0.7552296218663053

AUC area | 0.6585090318698412 | 0.6325204082791194

PR | 0.4187505444331153 | 0.42304673584203856

-------------For dataset 10---------

Using the best (iteration, learning rate)= (10, 1)

| new method | baseline

accuracy | 0.692200557103064 | 0.6949860724233983

f1 | 0.7080020034123035 | 0.704356218266378

AUC area | 0.6172610329597965 | 0.5892287430316656

PR | 0.39344975236234775 | 0.30263762552813234

Random: 1; w.append((abs(temp)\*\*abs(temp))); size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (110, 0.5)

| new method | baseline

accuracy | 0.7437325905292479 | 0.7506963788300836

f1 | 0.7285706201614551 | 0.7411531728580666

AUC area | 0.5768475311375274 | 0.6019448891311011

PR | 0.32709658149285775 | 0.37783330644163093

-------------For dataset 2---------

Using the best (iteration, learning rate)= (160, 0.01)

| new method | baseline

accuracy | 0.7075208913649025 | 0.7186629526462396

f1 | 0.7250858649839439 | 0.7358546227850701

AUC area | 0.656879775650851 | 0.6754771393212756

PR | 0.409904346631104 | 0.42774742821963696

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7493036211699164 | 0.7325905292479109

f1 | 0.7576331524349246 | 0.7458030330915717

AUC area | 0.6721505046720483 | 0.672922556399514

PR | 0.4474283007037759 | 0.45232517770322583

-------------For dataset 4---------

Using the best (iteration, learning rate)= (60, 0.05)

| new method | baseline

accuracy | 0.7353760445682451 | 0.7298050139275767

f1 | 0.7477443528268193 | 0.7424337076231734

AUC area | 0.6724116398151616 | 0.6642596818692734

PR | 0.4463386035115393 | 0.4415427876547556

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7409470752089137 | 0.7325905292479109

f1 | 0.7544088423511435 | 0.7458030330915717

AUC area | 0.6897373888756428 | 0.672922556399514

PR | 0.4600315110193426 | 0.45232517770322583

-------------For dataset 6---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7437325905292479 | 0.7325905292479109

f1 | 0.7546273956179622 | 0.7458030330915717

AUC area | 0.6777592333980494 | 0.672922556399514

PR | 0.47333551995696777 | 0.45232517770322583

-------------For dataset 7---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7771587743732591 | 0.7590529247910863

f1 | 0.7486475023973345 | 0.7483468879973602

AUC area | 0.586770666575837 | 0.6095859304926371

PR | 0.3846917516724927 | 0.4041318124546646

-------------For dataset 8---------

Using the best (iteration, learning rate)= (260, 0.5)

| new method | baseline

accuracy | 0.7715877437325905 | 0.7506963788300836

f1 | 0.7302966050753105 | 0.721693986190042

AUC area | 0.5556842308434665 | 0.5537824857794885

PR | 0.3273788906808549 | 0.3328577229015227

-------------For dataset 9---------

Using the best (iteration, learning rate)= (60, 0.05)

| new method | baseline

accuracy | 0.7228412256267409 | 0.724233983286908

f1 | 0.7344216758094676 | 0.7410852243140785

AUC area | 0.6460426672116443 | 0.6836290972671639

PR | 0.4273232755876191 | 0.463828262248193

-------------For dataset 10---------

Using the best (iteration, learning rate)= (110, 0.1)

| new method | baseline

accuracy | 0.7200557103064067 | 0.7618384401114207

f1 | 0.720375202677862 | 0.7567996936059131

AUC area | 0.5915108371084392 | 0.6320094916947672

PR | 0.34156077064479456 | 0.37683967719369094

Random: 1; w.append((abs(temp)\*\*abs(temp))\*abs(temp))); size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7701949860724234 | 0.7479108635097493

f1 | 0.7484160318492028 | 0.7298787910586139

AUC area | 0.5937815774833384 | 0.5749344323716747

PR | 0.36299274292645045 | 0.360826517766934

-------------For dataset 2---------

Using the best (iteration, learning rate)= (160, 0.01)

| new method | baseline

accuracy | 0.7103064066852367 | 0.7186629526462396

f1 | 0.7277040948412397 | 0.7358546227850701

AUC area | 0.660955754623795 | 0.6754771393212756

PR | 0.4107784369265154 | 0.42774742821963696

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7520891364902507 | 0.7325905292479109

f1 | 0.7599141641171798 | 0.7458030330915717

AUC area | 0.6739330358663442 | 0.672922556399514

PR | 0.4483459737557945 | 0.45232517770322583

-------------For dataset 4---------

Using the best (iteration, learning rate)= (210, 0.5)

| new method | baseline

accuracy | 0.7674094707520891 | 0.7618384401114207

f1 | 0.7540437146201701 | 0.7319311962731038

AUC area | 0.6126400762968766 | 0.5654995061139685

PR | 0.40326690130549814 | 0.3635590469689556

-------------For dataset 5---------

Using the best (iteration, learning rate)= (210, 0.01)

| new method | baseline

accuracy | 0.7270194986072424 | 0.7367688022284122

f1 | 0.7418724599456626 | 0.7499458515956199

AUC area | 0.6739443895682188 | 0.6801832487482544

PR | 0.4537545389748382 | 0.44952858492594455

-------------For dataset 6---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7562674094707521 | 0.7325905292479109

f1 | 0.747666334892983 | 0.7167693427771706

AUC area | 0.6123902948556377 | 0.5605436152457508

PR | 0.39395580834591337 | 0.3381204866039923

-------------For dataset 7---------

Using the best (iteration, learning rate)= (210, 0.5)

| new method | baseline

accuracy | 0.7576601671309192 | 0.7576601671309192

f1 | 0.7300139888708105 | 0.7266541588571014

AUC area | 0.5651191571011728 | 0.5582388137652281

PR | 0.33363430431670693 | 0.32463072481303995

-------------For dataset 8---------

Using the best (iteration, learning rate)= (110, 0.05)

| new method | baseline

accuracy | 0.7479108635097493 | 0.7534818941504178

f1 | 0.7556551392977825 | 0.7569372249634583

AUC area | 0.6666723435176038 | 0.6541832714556582

PR | 0.4307688907575483 | 0.4211957720893942

-------------For dataset 9---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7743732590529248 | 0.7590529247910863

f1 | 0.7673995637920222 | 0.7483468879973602

AUC area | 0.6423243298477468 | 0.6095859304926371

PR | 0.40860871084251477 | 0.4041318124546646

-------------For dataset 10---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7381615598885793 | 0.7590529247910863

f1 | 0.7336654373782155 | 0.7483468879973602

AUC area | 0.6008038420927144 | 0.6095859304926371

PR | 0.34553479255116126 | 0.4041318124546646

Random: 100; w.append abs(temp)\*\*abs(temp)\*\*2 size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 0.5)

| new method | baseline

accuracy | 0.7632311977715878 | 0.7534818941504178

f1 | 0.7352792603663305 | 0.7317144709538312

AUC area | 0.5891341991341991 | 0.591038961038961

PR | 0.4126836485588264 | 0.3975052711131659

-------------For dataset 2---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7493036211699164 | 0.754874651810585

f1 | 0.7247965252533077 | 0.7454379869277118

AUC area | 0.58004329004329 | 0.625021645021645

PR | 0.38063394903628467 | 0.39033428899874545

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7604456824512535 | 0.724233983286908

f1 | 0.7087165638202876 | 0.719316650193189

AUC area | 0.545974025974026 | 0.5988203463203463

PR | 0.40893435933130473 | 0.3642700793746231

-------------For dataset 4---------

Using the best (iteration, learning rate)= (210, 0.5)

| new method | baseline

accuracy | 0.7534818941504178 | 0.7298050139275767

f1 | 0.73079502920748 | 0.7215937367481338

AUC area | 0.5889718614718614 | 0.5962554112554113

PR | 0.412797108115651 | 0.35146335019093755

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7451253481894151 | 0.724233983286908

f1 | 0.7144910642242739 | 0.719316650193189

AUC area | 0.5628463203463204 | 0.5988203463203463

PR | 0.37309969157081513 | 0.3642700793746231

-------------For dataset 6---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7493036211699164 | 0.7353760445682451

f1 | 0.7303062139160106 | 0.7319034280467919

AUC area | 0.5924458874458874 | 0.6184956709956709

PR | 0.3898945813506221 | 0.36826001706238276

-------------For dataset 7---------

Using the best (iteration, learning rate)= (210, 0.01)

| new method | baseline

accuracy | 0.7479108635097493 | 0.7228412256267409

f1 | 0.7378544382820791 | 0.7278224351662971

AUC area | 0.6142748917748918 | 0.6330519480519481

PR | 0.43524842026727384 | 0.4441712343361802

-------------For dataset 8---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7785515320334262 | 0.724233983286908

f1 | 0.7636438346288632 | 0.719316650193189

AUC area | 0.6384090909090909 | 0.5988203463203463

PR | 0.4389056624667382 | 0.3642700793746231

-------------For dataset 9---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7632311977715878 | 0.724233983286908

f1 | 0.7499456985949143 | 0.719316650193189

AUC area | 0.6242748917748918 | 0.5988203463203463

PR | 0.4154890308334556 | 0.3642700793746231

-------------For dataset 10---------

Using the best (iteration, learning rate)= (210, 0.05)

| new method | baseline

accuracy | 0.7381615598885793 | 0.7479108635097493

f1 | 0.7353250853259397 | 0.7460260939755529

AUC area | 0.6244480519480519 | 0.641147186147186

PR | 0.4447390588519138 | 0.4211453681265852

Random: 200; w.append abs(temp)\*\*abs(temp)\*\*2 size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 0.5)

| new method | baseline

accuracy | 0.7688022284122562 | 0.7576601671309192

f1 | 0.7618502943254241 | 0.7431400672546714

AUC area | 0.6232863849765258 | 0.5843544600938967

PR | 0.4286480960068775 | 0.36786480404817157

-------------For dataset 2---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7674094707520891 | 0.766016713091922

f1 | 0.7563188274903089 | 0.7493822243841198

AUC area | 0.60768779342723 | 0.5896361502347417

PR | 0.4045215607027029 | 0.3893950064879448

-------------For dataset 3---------

Using the best (iteration, learning rate)= (210, 0.05)

| new method | baseline

accuracy | 0.6782729805013927 | 0.6016713091922006

f1 | 0.7001216512512366 | 0.6386004895754199

AUC area | 0.6126760563380281 | 0.6035093896713615

PR | 0.3452947086531042 | 0.35582227216030915

-------------For dataset 4---------

Using the best (iteration, learning rate)= (210, 0.05)

| new method | baseline

accuracy | 0.6894150417827298 | 0.6100278551532033

f1 | 0.7055733424975291 | 0.6441549464643361

AUC area | 0.5976408450704225 | 0.5744483568075117

PR | 0.32835329298167176 | 0.30151879118503566

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.754874651810585 | 0.7646239554317549

f1 | 0.7427703964575391 | 0.7362093725227834

AUC area | 0.5875 | 0.559319248826291

PR | 0.35091328753535256 | 0.30815724144809736

-------------For dataset 6---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7576601671309192 | 0.7534818941504178

f1 | 0.7473144224077107 | 0.7304584352358391

AUC area | 0.596619718309859 | 0.5571830985915494

PR | 0.35296593762704886 | 0.28518204125399443

-------------For dataset 7---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7186629526462396 | 0.6685236768802229

f1 | 0.7047705686614937 | 0.6901408301081665

AUC area | 0.5327230046948357 | 0.5917957746478872

PR | 0.27276259485869103 | 0.34674205549234216

-------------For dataset 8---------

Using the best (iteration, learning rate)= (10, 0.5)

| new method | baseline

accuracy | 0.7214484679665738 | 0.7409470752089137

f1 | 0.739614142948039 | 0.7578411529416764

AUC area | 0.6718544600938967 | 0.7013497652582159

PR | 0.4051420751226066 | 0.44127157384133103

-------------For dataset 9---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7688022284122562 | 0.7646239554317549

f1 | 0.7589321501131037 | 0.7362093725227834

AUC area | 0.613474178403756 | 0.559319248826291

PR | 0.35430953530369497 | 0.30815724144809736

-------------For dataset 10---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7646239554317549 | 0.6253481894150418

f1 | 0.7612731363722026 | 0.6578672279175701

AUC area | 0.6304577464788732 | 0.593943661971831

PR | 0.4058429541950963 | 0.3462789218166381

Random: 200; w.append ((abs(temp)\*\*(abs(temp)+2))) size 0.2,0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 0.5)

| new method | baseline

accuracy | 0.7771587743732591 | 0.7576601671309192

f1 | 0.7577566524945464 | 0.7431400672546714

AUC area | 0.5966784037558684 | 0.5843544600938967

PR | 0.41814835306957676 | 0.36786480404817157

-------------For dataset 2---------

Using the best (iteration, learning rate)= (210, 0.1)

| new method | baseline

accuracy | 0.7409470752089137 | 0.7437325905292479

f1 | 0.7409470752089138 | 0.7375524627297761

AUC area | 0.6081338028169013 | 0.5902699530516432

PR | 0.39440432301539924 | 0.37243610248958237

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7841225626740947 | 0.7479108635097493

f1 | 0.775953190772228 | 0.7617207604948234

AUC area | 0.6403286384976526 | 0.6910328638497653

PR | 0.4077479300171907 | 0.4261345604522434

-------------For dataset 4---------

Using the best (iteration, learning rate)= (260, 0.5)

| new method | baseline

accuracy | 0.7632311977715878 | 0.7479108635097493

f1 | 0.7481801545533723 | 0.7436276193866824

AUC area | 0.5903286384976527 | 0.6027230046948356

PR | 0.35648681020357176 | 0.3749953031271773

-------------For dataset 5---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.766016713091922 | 0.7618384401114207

f1 | 0.7589810207630798 | 0.7603419481874041

AUC area | 0.6190727699530517 | 0.6336032863849765

PR | 0.3869217644174432 | 0.37889998736054764

-------------For dataset 6---------

Using the best (iteration, learning rate)= (210, 0.5)

| new method | baseline

accuracy | 0.7367688022284122 | 0.6894150417827298

f1 | 0.7401371082589185 | 0.700702992668363

AUC area | 0.6153051643192489 | 0.5731103286384976

PR | 0.38224277884318353 | 0.3453208459113879

-------------For dataset 7---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.6518105849582172 | 0.6253481894150418

f1 | 0.6752731093370296 | 0.6578672279175701

AUC area | 0.5714201877934272 | 0.593943661971831

PR | 0.3202382971348664 | 0.3462789218166381

-------------For dataset 8---------

Using the best (iteration, learning rate)= (160, 1)

| new method | baseline

accuracy | 0.7409470752089137 | 0.7743732590529248

f1 | 0.7369040744227577 | 0.7668974704848133

AUC area | 0.5934154929577465 | 0.6292605633802817

PR | 0.3453288818427711 | 0.3825256906322334

-------------For dataset 9---------

Using the best (iteration, learning rate)= (10, 1)

| new method | baseline

accuracy | 0.4637883008356546 | 0.692200557103064

f1 | 0.5018424621279052 | 0.7143293360785311

AUC area | 0.5556103286384977 | 0.643556338028169

PR | 0.30710776284978303 | 0.4032332187470781

-------------For dataset 10---------

Using the best (iteration, learning rate)= (160, 1)

| new method | baseline

accuracy | 0.724233983286908 | 0.7743732590529248

f1 | 0.7286611679961094 | 0.7668974704848133

AUC area | 0.6000234741784037 | 0.6292605633802817

PR | 0.3458929296053855 | 0.3825256906322334

(abs(temp)\*\*abs(temp)\*\* 2); random 400 200; test 0.15 0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (210, 0.05)

| new method | baseline

accuracy | 0.7346938775510203 | 0.725417439703154

f1 | 0.7322424465281606 | 0.7138419003965222

AUC area | 0.6343012704174229 | 0.5952813067150635

PR | 0.43452582218370994 | 0.4117795691153642

-------------For dataset 2---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.7476808905380334 | 0.764378478664193

f1 | 0.7012808619951477 | 0.72807915978318

AUC area | 0.5544464609800362 | 0.5882810474462017

PR | 0.3316574607887025 | 0.38972575687976974

-------------For dataset 3---------

Using the best (iteration, learning rate)= (260, 0.1)

| new method | baseline

accuracy | 0.764378478664193 | 0.7551020408163265

f1 | 0.7309561710467712 | 0.7371269801176343

AUC area | 0.5933367902514909 | 0.6149857402126004

PR | 0.46014184569327077 | 0.40319223304662866

-------------For dataset 4---------

Using the best (iteration, learning rate)= (160, 1)

| new method | baseline

accuracy | 0.7291280148423005 | 0.7161410018552876

f1 | 0.721372631433607 | 0.7110846465787177

AUC area | 0.6103837179154784 | 0.601763028260306

PR | 0.4252541292245433 | 0.4249226364384413

-------------For dataset 5---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7699443413729128 | 0.7421150278293136

f1 | 0.7489166250848495 | 0.7191486785331944

AUC area | 0.6248379569613689 | 0.5886699507389163

PR | 0.45291019267125193 | 0.43184080843793765

-------------For dataset 6---------

Using the best (iteration, learning rate)= (60, 1)

| new method | baseline

accuracy | 0.7309833024118738 | 0.7272727272727273

f1 | 0.7201164343508537 | 0.7172001097847706

AUC area | 0.6040316308011408 | 0.6015685766139487

PR | 0.362127434435285 | 0.3749366728915474

-------------For dataset 7---------

Using the best (iteration, learning rate)= (110, 0.5)

| new method | baseline

accuracy | 0.7365491651205938 | 0.699443413729128

f1 | 0.6967818909833583 | 0.692729531338227

AUC area | 0.552113041223749 | 0.5755120560020741

PR | 0.4141792055797706 | 0.34692425296356943

-------------For dataset 8---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7495361781076066 | 0.6901669758812616

f1 | 0.738530783925808 | 0.6985548455570331

AUC area | 0.6264583873476796 | 0.6148561057816956

PR | 0.45606962090509573 | 0.4795284807002138

-------------For dataset 9---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.7421150278293136 | 0.7179962894248608

f1 | 0.7214974998476044 | 0.7019123616334444

AUC area | 0.5937256935442053 | 0.575187969924812

PR | 0.4236487607737689 | 0.37592150411253933

-------------For dataset 10---------

Using the best (iteration, learning rate)= (110, 1)

| new method | baseline

accuracy | 0.6400742115027829 | 0.7179962894248608

f1 | 0.6571888555006727 | 0.7019123616334444

AUC area | 0.581604874254602 | 0.575187969924812

PR | 0.3149848326988858 | 0.37592150411253933

-------------For dataset 1---------

Using the best (iteration, learning rate)= (110, 0.1)

Using the best subsample = 0.6

| new method | baseline

accuracy | 0.7736549165120594 | 0.7866419294990723

f1 | 0.6571888555006727 | 0.7714366770302575

AUC area | 0.581604874254602 | 0.6586725434275342

PR | 0.5245295199811779 | 0.5227456887290356

-------------For dataset 2---------

Using the best (iteration, learning rate)= (110, 0.1)

Using the best subsample = 1.0

| new method | baseline

accuracy | 0.7847866419294991 | 0.7699443413729128

f1 | 0.6571888555006727 | 0.7366223830747785

AUC area | 0.581604874254602 | 0.5995592429349235

PR | 0.4958472951440729 | 0.5102756822743142

-------------For dataset 3---------

Using the best (iteration, learning rate)= (110, 0.1)

Using the best subsample = 1.0

| new method | baseline

accuracy | 0.7717996289424861 | 0.7773654916512059

f1 | 0.6571888555006727 | 0.7394707129988483

AUC area | 0.581604874254602 | 0.5994296085040186

PR | 0.4872100068099707 | 0.5137760013001463

-------------For dataset 4---------

Using the best (iteration, learning rate)= (110, 0.05)

Using the best subsample = 0.7

| new method | baseline

accuracy | 0.7680890538033396 | 0.7699443413729128

f1 | 0.6571888555006727 | 0.720831401331859

AUC area | 0.581604874254602 | 0.5742805289084781

PR | 0.5036537883043216 | 0.5040485235550024

-------------For dataset 5---------

Using the best (iteration, learning rate)= (110, 0.05)

Using the best subsample = 0.7

| new method | baseline

accuracy | 0.7699443413729128 | 0.7773654916512059

f1 | 0.6571888555006727 | 0.7298368399985733

AUC area | 0.581604874254602 | 0.5842623800881515

PR | 0.4935373072996665 | 0.5089465064533767

-------------For dataset 6---------

Using the best (iteration, learning rate)= (110, 0.05)

Using the best subsample = 1.0

| new method | baseline

accuracy | 0.7699443413729128 | 0.7717996289424861

f1 | 0.6571888555006727 | 0.723966000776632

AUC area | 0.581604874254602 | 0.5780399274047188

PR | 0.49113711458825315 | 0.48831476339754787

-------------For dataset 7---------

Using the best (iteration, learning rate)= (110, 0.25)

Using the best subsample = 0.9

| new method | baseline

accuracy | 0.7458256029684601 | 0.7551020408163265

f1 | 0.6571888555006727 | 0.7360639360639359

AUC area | 0.581604874254602 | 0.6124578688099558

PR | 0.47007138713583774 | 0.45891317047470837

-------------For dataset 8---------

Using the best (iteration, learning rate)= (110, 0.05)

Using the best subsample = 0.8

| new method | baseline

accuracy | 0.7736549165120594 | 0.7717996289424861

f1 | 0.6571888555006727 | 0.7203615935699728

AUC area | 0.581604874254602 | 0.5729841845994296

PR | 0.5052868815568563 | 0.49367642868927797

-------------For dataset 9---------

Using the best (iteration, learning rate)= (110, 0.05)

Using the best subsample = 0.8

| new method | baseline

accuracy | 0.7736549165120594 | 0.7717996289424861

f1 | 0.6571888555006727 | 0.7203615935699728

AUC area | 0.581604874254602 | 0.5729841845994296

PR | 0.4951250182395589 | 0.49367642868927797

-------------For dataset 10---------

Using the best (iteration, learning rate)= (110, 0.1)

Using the best subsample = 0.6

| new method | baseline

accuracy | 0.7699443413729128 | 0.7476808905380334

f1 | 0.6571888555006727 | 0.7463732196556624

AUC area | 0.581604874254602 | 0.655561317085818

PR | 0.49255027572748883 | 0.5132997809486223

​

Dataset3: less positive examples

DATASET | majority vote | weighted | truthFinder | EM | MV

dataset1 | 235 246 440 13 440

Used EM in this model

dataset2 | 142 198 330 8 330

Used EM in this model

dataset3 | 51 294 155 3 155

Used EM in this model

dataset4 | 38 274 130 1 130

Used EM in this model

dataset5 | 21 166 85 0 85

Used EM in this model

dataset6 | 7 102 46 0 46

Used EM in this model

dataset7 | 7 100 35 0 35

Used EM in this model

dataset8 | 1 29 7 0 7

Used EM in this model

dataset9 | 0 27 0 0 0

Used majority vote in this model

dataset10 | 0 90 1 0 1

Used majority vote in this model

(abs(temp)\*\*abs(temp)\*\* 2); random 400 200; test 0.15 0.15

-------------For dataset 1---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7662337662337663 | 0.7309833024118738

f1 | 0.7426057813154587 | 0.7181859810011547

AUC area | 0.6147912885662432 | 0.5989758879958517

PR | 0.45881518747167466 | 0.3953587122015792

-------------For dataset 2---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7421150278293136 | 0.7217068645640075

f1 | 0.7411188359099438 | 0.7154903067946545

AUC area | 0.6493388644023852 | 0.6054576095410942

PR | 0.4866944789541895 | 0.42598619885238903

-------------For dataset 3---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7421150278293136 | 0.7365491651205938

f1 | 0.7307835478939799 | 0.7124690384036179

AUC area | 0.6164765361680062 | 0.5799196266528389

PR | 0.40001296516435053 | 0.41096968048636234

-------------For dataset 4---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7625231910946196 | 0.7421150278293136

f1 | 0.732265183563589 | 0.7226303794359253

AUC area | 0.5971610059631839 | 0.5962535649468499

PR | 0.41505264954170756 | 0.40548196077641274

-------------For dataset 5---------

Using the best (iteration, learning rate)= (210, 1)

| new method | baseline

accuracy | 0.7532467532467533 | 0.7217068645640075

f1 | 0.7377040462656245 | 0.7000726546181092

AUC area | 0.6188099559242934 | 0.5675395385014259

PR | 0.3982868981549273 | 0.36798032592942204

-------------For dataset 6---------

Using the best (iteration, learning rate)= (260, 0.01)

| new method | baseline

accuracy | 0.7421150278293136 | 0.6901669758812616

f1 | 0.7325905800005653 | 0.6985548455570331

AUC area | 0.6215322789732952 | 0.6148561057816956

PR | 0.44990705878289017 | 0.4795284807002138

-------------For dataset 7---------

Using the best (iteration, learning rate)= (260, 0.05)

| new method | baseline

accuracy | 0.7179962894248608 | 0.7421150278293136

f1 | 0.7133882095276484 | 0.7191486785331944

AUC area | 0.6055224267565464 | 0.5886699507389163

PR | 0.4356101553935246 | 0.43184080843793765

-------------For dataset 8---------

Using the best (iteration, learning rate)= (160, 1)

| new method | baseline

accuracy | 0.7050092764378479 | 0.7217068645640075

f1 | 0.6595636724844539 | 0.7024601569390796

AUC area | 0.5084262380088151 | 0.5725952813067151

PR | 0.3178517384295761 | 0.3700803851640396

-------------For dataset 9---------

Using the best (iteration, learning rate)= (260, 1)

| new method | baseline

accuracy | 0.7272727272727273 | 0.7421150278293136

f1 | 0.7142988910839293 | 0.7226303794359253

AUC area | 0.5939849624060151 | 0.5962535649468499

PR | 0.35446088511682217 | 0.40548196077641274

-------------For dataset 10---------

Using the best (iteration, learning rate)= (60, 1)

| new method | baseline

accuracy | 0.7031539888682745 | 0.7272727272727273

f1 | 0.7066809730801924 | 0.7172001097847706

AUC area | 0.6133653098262899 | 0.6015685766139487

PR | 0.3440876662806205 | 0.3749366728915474

4th data

-------------For dataset 1---------

| new method | baseline

accuracy | 0.7476808905380334 ( 0.012278584124507826 ) | 0.7415584415584415 ( 0.006794001270352689 )

accuracy | 0.7476808905380334 ( 0.012278584124507826 ) | 0.7415584415584415 ( 0.006794001270352689 )

f1 | 0.7313273587820793 ( 0.013762208901828143 ) | 0.730713660046538 ( 0.009361669256999768 )

AUC area | 0.5927646775421501 ( 0.016553834826477317 ) | 0.599772945492762 ( 0.015707415701092624 )

PR | 0.38823424672989176 ( 0.030327833463789727 ) | 0.37383697554980655 ( 0.027846942293644716 )

-------------For dataset 2---------

| new method | baseline

accuracy | 0.7486085343228199 ( 0.012725974500662363 ) | 0.7423005565862708 ( 0.021515737228415144 )

f1 | 0.7358409088025698 ( 0.012523249600967169 ) | 0.7351016276645512 ( 0.02550525253226658 )

AUC area | 0.6102966414096559 ( 0.019796187495715285 ) | 0.6198698811321786 ( 0.03485925731728618 )

PR | 0.4007088585626176 ( 0.0460458877206117 ) | 0.4154807803279314 ( 0.043024833725859725 )

-------------For dataset 3---------

| new method | baseline

accuracy | 0.7395543175487466 ( 0.017204926536693328 ) | 0.7331476323119777 ( 0.01173888997532341 )

f1 | 0.7238813911020188 ( 0.01880421565853088 ) | 0.7202507171228357 ( 0.013539647677212548 )

AUC area | 0.5957146487289402 ( 0.025269664147263345 ) | 0.5943122368329448 ( 0.0172598946366392 )

PR | 0.3921680782888798 ( 0.039147253241285374 ) | 0.37865299209397396 ( 0.028329925818458185 )

-------------For dataset 4---------

| new method | baseline

accuracy | 0.7353760445682452 ( 0.013546313555195366 ) | 0.7311977715877437 ( 0.011785067298777806 )

f1 | 0.7323390768345523 ( 0.012786070246012995 ) | 0.7321571910213327 ( 0.013307971866425704 )

AUC area | 0.6265235440590875 ( 0.01682095759062239 ) | 0.635914303607549 ( 0.014555040557981336 )

PR | 0.4221613244852141 ( 0.046425421764580546 ) | 0.4265877436662734 ( 0.033412541434267806 )

-------------For dataset 5---------

| new method | baseline

accuracy | 0.7482374768089054 ( 0.018141069782441004 ) | 0.7426716141001855 ( 0.012195605513576867 )

f1 | 0.7312988026264483 ( 0.02084739969501623 ) | 0.7274147749714512 ( 0.014395456981665094 )

AUC area | 0.6015761881048063 ( 0.020827469368380643 ) | 0.5981983007364123 ( 0.015527292668667965 )

PR | 0.4084008162721098 ( 0.03508052161227424 ) | 0.39526109771434886 ( 0.03923204189523483 )

-------------For dataset 6---------

| new method | baseline

accuracy | 0.7359925788497217 ( 0.018811737692335847 ) | 0.7358070500927644 ( 0.019690536788751913 )

accuracy | 0.7359925788497217 ( 0.018811737692335847 ) | 0.7358070500927644 ( 0.019690536788751913 )

f1 | 0.7185211503548696 ( 0.022380816880060647 ) | 0.7230589895910006 ( 0.022527858895899498 )

AUC area | 0.58349977393417 ( 0.021411915224415858 ) | 0.5951023571128063 ( 0.02361550355111358 )

PR | 0.3832516077052303 ( 0.023889884558139528 ) | 0.3722881653688112 ( 0.026678709521941044 )

-------------For dataset 7---------

| new method | baseline

accuracy | 0.746938775510204 ( 0.016783944902261455 ) | 0.7385899814471244 ( 0.01870899067303042 )

f1 | 0.7300947694028463 ( 0.020495172749688945 ) | 0.7236913694018143 ( 0.021132458363186255 )

AUC area | 0.5982713324913631 ( 0.021677318283053994 ) | 0.5932298515543026 ( 0.02098769155467739 )

PR | 0.4028491400329968 ( 0.02999601369898227 ) | 0.38111102504095873 ( 0.030103165893821737 )

PR | 0.4028491400329968 ( 0.02999601369898227 ) | 0.38111102504095873 ( 0.030103165893821737 )

-------------For dataset 8---------

| new method | baseline

accuracy | 0.7482374768089054 ( 0.017206229394599745 ) | 0.7413729128014843 ( 0.022573597290174593 )

f1 | 0.7278160170330505 ( 0.022425279850877677 ) | 0.7229657552737174 ( 0.025232269474918346 )

AUC area | 0.5923063274746405 ( 0.023798461642673296 ) | 0.5874902649354383 ( 0.024032233179731705 )

PR | 0.4079381474610793 ( 0.03701369476514811 ) | 0.39298113014118846 ( 0.044752695136106385 )

PR | 0.4079381474610793 ( 0.03701369476514811 ) | 0.39298113014118846 ( 0.044752695136106385 )

-------------For dataset 9---------

| new method | baseline

accuracy | 0.7467532467532467 ( 0.01937421298716216 ) | 0.7304267161410019 ( 0.019705389990136733 )

f1 | 0.728444255093829 ( 0.021947943186595688 ) | 0.7152304609057225 ( 0.02201118479705502 )

AUC area | 0.5945569228044565 ( 0.0276150918245034 ) | 0.5827857284532396 ( 0.02463295210250259 )

PR | 0.3685846427349405 ( 0.04354215651962542 ) | 0.3525115899946838 ( 0.04147946931506028 )

-------------For dataset 10---------

| new method | baseline

accuracy | 0.7380333951762523 ( 0.01542903368184918 ) | 0.7359925788497217 ( 0.02206232591740131 )

f1 | 0.7252421293601753 ( 0.017619405010240622 ) | 0.7263810016709148 ( 0.023949324117541155 )

AUC area | 0.5974809071396701 ( 0.02022031686768235 ) | 0.6033995030221012 ( 0.02514470539774136 )

PR | 0.3845817990205208 ( 0.028434364189932917 ) | 0.3671142126509522 ( 0.03244541770895741 )

-------------For dataset 11---------

| new method | baseline

accuracy | 0.7293135435992577 ( 0.023415610802077658 ) | 0.7192949907235622 ( 0.013710311530124177 )

f1 | 0.7276901475252179 ( 0.02461347613678594 ) | 0.7191690060075778 ( 0.015448288025816806 )

AUC area | 0.6130170530186874 ( 0.03139115010574198 ) | 0.6036781254071129 ( 0.021260230115055744 )

PR | 0.3706853423957233 ( 0.03719504147284535 ) | 0.3479794582710178 ( 0.024162825563363778 )

-------------For dataset 12---------

| new method | baseline

accuracy | 0.7510204081632653 ( 0.0158906219705854 ) | 0.7497217068645641 ( 0.012945866437417068 )

f1 | 0.7340485896785414 ( 0.018042488016570716 ) | 0.7361742747051797 ( 0.016143295960972203 )

AUC area | 0.5957306528489072 ( 0.019533387738748482 ) | 0.6031650840899079 ( 0.023143319077835244 )

PR | 0.38089436398824555 ( 0.017986668816358298 ) | 0.3774628684253426 ( 0.03154119151217636 )

-------------For dataset 13---------

| new method | baseline

accuracy | 0.7551020408163266 ( 0.012278584124507816 ) | 0.7495361781076068 ( 0.013327113169623726 )

f1 | 0.7294514038599532 ( 0.018291625123457486 ) | 0.7238619360648099 ( 0.012637250780696383 )

AUC area | 0.5810472779184412 ( 0.02075118624539353 ) | 0.572885794536427 ( 0.009835485454166362 )

PR | 0.37529003190538035 ( 0.030837268094339107 ) | 0.3593801328959466 ( 0.02813437065840827 )

-------------For dataset 14---------

| new method | baseline

accuracy | 0.7346938775510204 ( 0.016427416416459114 ) | 0.7309833024118737 ( 0.022417524997392527 )

f1 | 0.7234744815673178 ( 0.017440018373966984 ) | 0.7219348507272153 ( 0.022170558788212006 )

AUC area | 0.5895504658746822 ( 0.021466396080352623 ) | 0.5908047705078309 ( 0.023682406204245072 )

PR | 0.34901045477847126 ( 0.020805243646347202 ) | 0.35606899765893163 ( 0.03477038307581099 )

-------------For dataset 15---------

| new method | baseline

accuracy | 0.7591836734693878 ( 0.01738039098869073 ) | 0.7539888682745827 ( 0.0109509124774573 )

f1 | 0.7430207343147724 ( 0.022376794199946978 ) | 0.7386216688700845 ( 0.01225282866136346 )

AUC area | 0.6085562607337086 ( 0.02674269828252703 ) | 0.6027142356571603 ( 0.009332258154488042 )

PR | 0.40475516387889776 ( 0.035285138818656754 ) | 0.3905043758563515 ( 0.019993265832510793 )

-------------For dataset 16---------

| new method | baseline

accuracy | 0.7443413729128014 ( 0.011094557616123222 ) | 0.7391465677179963 ( 0.0146602940743142 )

f1 | 0.7331065355244034 ( 0.012248216409103962 ) | 0.7271448737986811 ( 0.018946913763157384 )

AUC area | 0.6016889536486095 ( 0.017349128921770526 ) | 0.5940482875602509 ( 0.026563866444813646 )

PR | 0.3968138274856532 ( 0.03431942586908006 ) | 0.3734358692364993 ( 0.02332493803915093 )