Cross\_Validate\_Search

Test 1 :

Poly :2 à 4

Gamma et Alpha: 0.1 à 1 (step of 0.1)

Résultat:

Set 0

bestW [-0.14526555 -0.14526555 -0.14526555 -0.14526555 0.14302304 0.16658398

-0.14526555 0.01919022 -0.66265613 -0.14526555 -0.00682256 -0.12060465

-0.14526555 -0.04619443 -0.26854505 -0.14526555 -0.00682284 -0.12060495

-0.14526555 0.42408973 0.15267577 -0.14526555 -0.34200832 -0.13782914

-0.14526555 -0.07503385 -0.01331175 -0.14526555 0.48325103 -0.16683199

-0.14526555 0.04058689 -0.01780975 -0.14526555 -0.01773919 -0.12911693

-0.14526555 0.18004038 -0.26865787 -0.14526555 0.04508566 -0.17553439

-0.14526555 0.0151609 -0.09603653 -0.14526555 0.17154488 0.24178848

-0.14526555 0.0283974 -0.10461213 -0.14526555 -0.00823478 -0.15668107]

bestGamma 0.5

bestAlpha 0.5

bestDegree 2

Ratio: 94.63629402756509%

Set 1

bestW [-0.079317 -0.079317 -0.079317 -0.079317 0.11677488 0.00608304

-0.079317 0.03323589 -0.26166997 -0.079317 -0.0749151 0.02893454

-0.079317 -0.03111449 -0.16121121 -0.079317 0.13082433 0.06180063

-0.079317 0.2166594 -0.03985218 -0.079317 -0.14576645 -0.04505354

-0.079317 -0.09421132 -0.00209528 -0.079317 0.30000334 0.03037206

-0.079317 0.02762712 -0.05146138 -0.079317 0.02886805 -0.11230243

-0.079317 0.09286483 0.02588108 -0.079317 0.01847112 -0.08175318

-0.079317 0.01205196 -0.06087844 -0.079317 0.11331355 0.03129314

-0.079317 -0.01109104 -0.05746698 -0.079317 -0.01972868 -0.05581636

-0.079317 0.08228251 -0.05159735 -0.079317 -0.02025004 0.03684354

-0.079317 -0.02061571 -0.03243027 -0.079317 0.0822826 -0.05159724]

bestGamma 0.1

bestAlpha 0.1

bestDegree 2

Ratio: 91.17724867724867%

Set 2

bestW [-0.06526036 -0.06526036 -0.06526036 -0.06526036 0.08073688 0.06508496

-0.06526036 -0.05101031 -0.92618776 -0.06526036 -0.16551231 0.16293444

-0.06526036 0.12852901 -0.10820473 -0.06526036 0.26890657 0.90710466

-0.06526036 -0.00405041 0.01977181 -0.06526036 -0.23057163 -0.50561028

-0.06526036 0.91585964 0.19140416 -0.06526036 0.43346944 -0.34090047

-0.06526036 -0.37039213 -0.23813427 -0.06526036 -0.24551859 0.27567726

-0.06526036 0.23269457 0.37110907 -0.06526036 0.80539104 0.06056157

-0.06526036 -0.00921537 -0.42364962 -0.06526036 0.00713556 -0.23405159

-0.06526036 0.30464104 0.09149586 -0.06526036 0.01367257 -0.23270618

-0.06526036 -0.08182683 -0.07133459 -0.06526036 -0.05623195 0.11651312

-0.06526036 -0.05143587 0.08303223 -0.06526036 -0.69621876 -0.0276273

-0.06526036 0.02774356 -0.22391995 -0.06526036 -0.19784256 0.15826279

-0.06526036 -0.05577444 -0.16176239 -0.06526036 0.30308781 -0.06185247

-0.06526036 0.0603926 -0.06577363 -0.06526036 0.29206139 -0.12050038

-0.06526036 0.1275936 -0.19404542]

bestGamma 0.5

bestAlpha 0.1

bestDegree 2

Ratio: 90.27777777777777%

Set 3

bestW [-0.26435583 -0.26435583 -0.26435583 -0.26435583 0.30943033 -0.40132975

-0.26435583 -0.25597436 -1.27925232 -0.26435583 0.05590195 0.29461215

-0.26435583 -0.11983326 0.16875962 -0.26435583 0.1115596 -0.009905

-0.26435583 -0.14528545 -0.05805912 -0.26435583 -0.15658557 -0.08768894

-0.26435583 0.32856349 -0.1111829 -0.26435583 0.0642096 0.26132039

-0.26435583 -0.19011208 -0.27502234 -0.26435583 -0.28144617 -0.21643977

-0.26435583 0.11693913 0.18589037 -0.26435583 0.16949185 0.1377994

-0.26435583 -0.49284852 -0.36564945 -0.26435583 0.13523902 -0.305024

-0.26435583 0.32308737 0.1413936 -0.26435583 -0.06850949 -0.00681178

-0.26435583 -0.37891152 -0.09167572 -0.26435583 0.0287239 -0.34343972

-0.26435583 0.10107885 -0.23793448 -0.26435583 -0.457186 0.26262111

-0.26435583 0.03266996 -0.37263466 -0.26435583 -0.08971664 -0.34713733

-0.26435583 -0.05354753 -0.12312289 -0.26435583 0.0556508 -0.15615375

-0.26435583 -0.06037024 -0.39380572 -0.26435583 -0.02505781 -0.1088424

-0.26435583 -0.07317756 -0.88615565]

bestGamma 0.6

bestAlpha 0.1

bestDegree 2

Ratio: 93.08943089430893%

Set 4

bestW [-0.02220702 -0.02220702 -0.02220702 -0.02220702 -0.47787745 0.10079395

-0.02220702 -0.05455501 -0.3491103 -0.02220702 -0.07005964 0.06729159

-0.02220702 0.42913035 -0.35949092 -0.02220702 -0.07005959 0.06729169

-0.02220702 0.1983064 -0.05207411 -0.02220702 -0.44129686 0.07112309

-0.02220702 0.00098036 0.04009628 -0.02220702 0.41282302 -0.02283691

-0.02220702 0.00330699 -0.10101111 -0.02220702 0.00354647 -0.00864553

-0.02220702 -0.10740618 0.03496943 -0.02220702 0.02230704 -0.21011447

-0.02220702 0.00417427 -0.02022429 -0.02220702 -0.33998975 0.08816527

-0.02220702 -0.03234727 0.00352862 -0.02220702 0.1237931 -0.00608006]

bestGamma 0.2

bestAlpha 0.8

bestDegree 2

Ratio: 79.70401691331924%

Set 5

bestW [ 2.85635272e-03 2.85635272e-03 2.85635272e-03 2.85635272e-03

-3.63831617e-01 -6.82291746e-02 2.85635272e-03 1.89748393e-01

-3.67182458e-01 2.85635272e-03 9.97153883e-02 1.01679496e-01

2.85635272e-03 3.25466273e-01 -4.10444802e-01 2.85635272e-03

5.68396156e-02 -2.28148289e-04 2.85635272e-03 1.88345270e-01

-1.15821789e-02 2.85635272e-03 -2.16522580e-01 -9.21892599e-03

2.85635272e-03 2.65141457e-01 2.62010119e-02 2.85635272e-03

3.23864064e-01 -3.45604043e-04 2.85635272e-03 -5.25431724e-03

-1.13788807e-01 2.85635272e-03 -1.74488922e-02 4.02604988e-03

2.85635272e-03 4.79144614e-02 2.52355089e-02 2.85635272e-03

-5.27684719e-03 -1.73696912e-01 2.85635272e-03 -8.46705936e-03

1.28926224e-02 2.85635272e-03 7.77839862e-02 2.29021135e-02

2.85635272e-03 1.13560005e-02 4.35281444e-03 2.85635272e-03

9.59292569e-02 -5.86911062e-02 2.85635272e-03 1.01546099e-01

3.59043952e-02 2.85635272e-03 -4.18881469e-03 3.65020036e-01

2.85635272e-03 -4.65237557e-03 6.02948147e-03 2.85635272e-03

1.01546139e-01 3.59043613e-02]

bestGamma 0.1

bestAlpha 0.1

bestDegree 2

Ratio: 75.27579308373822%

Set 6

bestW [ 0.0086983 0.0086983 0.0086983 0.0086983 -0.21213497 -0.13890679

0.0086983 0.36297524 -0.42417037 0.0086983 0.17924272 0.08013063

0.0086983 0.15219336 0.13404015 0.0086983 0.15305692 0.1844012

0.0086983 -0.14180692 0.04563558 0.0086983 0.33299976 -0.32931086

0.0086983 -0.20484607 0.02614214 0.0086983 0.12394335 -0.02929927

0.0086983 -0.15172332 -0.0490051 0.0086983 0.22973109 -0.02017212

0.0086983 0.34207992 0.06995712 0.0086983 0.27820307 -0.00924392

0.0086983 -0.00438665 -0.12922477 0.0086983 -0.00809025 -0.00285213

0.0086983 0.10059097 0.04049733 0.0086983 -0.01376827 -0.15928919

0.0086983 0.00972743 0.00291901 0.0086983 0.18421134 0.02965792

0.0086983 0.01414874 0.00263641 0.0086983 -0.04858918 -0.06066321

0.0086983 -0.00740606 -0.07728092 0.0086983 0.01795688 0.11245318

0.0086983 0.01239495 0.01722527 0.0086983 0.10152001 -0.0355166

0.0086983 0.01058107 0.10630885 0.0086983 -0.01272343 -0.00759297

0.0086983 0.02730312 -0.05112907]

bestGamma 0.1

bestAlpha 0.30000000000000004

bestDegree 2

Ratio: 75.74224021592443%

Set 7

bestW [-6.98662307e-02 -6.98662307e-02 -6.98662307e-02 -6.98662307e-02

-1.26782455e+00 -9.40675679e-01 -6.98662307e-02 2.46282174e+00

-2.60957185e+00 -6.98662307e-02 1.80841846e+00 7.68963873e-01

-6.98662307e-02 -2.60419723e-01 1.52233300e+00 -6.98662307e-02

-2.38707066e-01 1.32539827e+00 -6.98662307e-02 -2.14404182e-01

9.84935310e-01 -6.98662307e-02 1.80654293e+00 -2.40964245e+00

-6.98662307e-02 -5.10074310e-01 -1.08478524e-01 -6.98662307e-02

-3.87907252e-02 3.95067958e-02 -6.98662307e-02 -1.04717636e+00

-5.10731781e-01 -6.98662307e-02 1.49595649e+00 -2.53158499e-01

-6.98662307e-02 1.06696356e+00 1.12729490e+00 -6.98662307e-02

2.01992904e+00 2.52210752e-02 -6.98662307e-02 -1.82040030e-01

-1.17603941e+00 -6.98662307e-02 1.50662120e-01 -6.89033492e-02

-6.98662307e-02 7.81021458e-01 3.24616988e-01 -6.98662307e-02

-1.44298090e-01 -1.34493727e+00 -6.98662307e-02 8.83277864e-02

-1.13887317e-01 -6.98662307e-02 1.55067895e+00 3.73684769e-01

-6.98662307e-02 1.36544916e-02 -1.89061988e-01 -6.98662307e-02

-2.48597699e-01 -2.41949022e-03 -6.98662307e-02 -5.91146134e-01

-5.60621815e-01 -6.98662307e-02 1.42022299e-02 1.20609221e-01

-6.98662307e-02 -6.74607847e-02 -1.48892547e-01 -6.98662307e-02

-2.53991104e-01 -5.64773048e-01 -6.98662307e-02 1.64946364e-01

1.57242790e-02 -6.98662307e-02 7.38415772e-02 -2.12322965e-01

-6.98662307e-02 -7.53392089e-01 -2.25766784e-01]

bestGamma 0.8

bestAlpha 0.30000000000000004

bestDelta 2

Ratio : 74.07658093212144%