********* Crab Dataset **********
Classification report for MAP

	precision	recall	f1-score	support
0.0	1.00	1.00	1.00	34
1.0	1.00	1.00	1.00	32
accuracy			1.00	66
macro avg	1.00	1.00	1.00	66
weighted avg	1.00	1.00	1.00	66

Confusion Matrix (Rows are true, Prediction are col04ms)
[[34 0]
 [0 32]]

Best k value = 1
Classification report for KNN

	precision	recall	f1-score	support
0.0	0.94	0.94	0.94	34
1.0	0.94	0.94	0.94	32
accuracy			0.94	66
macro avg	0.94	0.94	0.94	66
weighted avg	0.94	0.94	0.94	66

Confusion Matrix (Rows are true, Prediction are col04ms)
[[32 2]
 [2 30]]
********* 10 Dataset **********
Classification report for MAP

	precision	recall	f1-score	support
0.0	0.90	1.00	0.95	171
1.0	1.00	0.89	0.94	159
accuracy			0.95	330
macro avg	0.95	0.94	0.95	330
weighted avg	0.95	0.95	0.95	330

Confusion Matrix (Rows are true, Prediction are col04ms)
[[171   0]

[18 141]]

Best k value = 3
Classification report for KNN
        precision   recall f1-score   support

    0.0   0.59   0.56   0.57   171
    1.0   0.55   0.58   0.57   159

  accuracy   0.57   330
  macro avg   0.57   0.57   0.57   330
weighted avg   0.57   0.57   0.57   330

Confusion Matrix (Rows are true, Prediction are columms)
[[95 76]
 [66 93]]
********* 10 Dataset cross validation **********
Classification report for MAP
        precision   recall f1-score   support

    0.0   0.88   1.00   0.94   227
    1.0   1.00   0.87   0.93   242

  accuracy   0.93   469
  macro avg   0.94   0.94   0.93   469
weighted avg   0.94   0.93   0.93   469

Confusion Matrix (Rows are true, Prediction are columms)
[[227   0]
 [31 211]]

Best k value = 3
Classification report for KNN
        precision   recall f1-score   support

    0.0   0.50   0.56   0.52   227
    1.0   0.53   0.47   0.50   242

  accuracy   0.51   469
  macro avg   0.51   0.51   0.51   469

weighted avg   0.51   0.51   0.51   469

Confusion Matrix (Rows are true, Prediction are columms)
[[126 101]
 [128 114]]
********* Crab cross validation **********
Classification report for MAP
        precision   recall f1-score   support

    0.0   0.86   1.00   0.93   227
    1.0   1.00   0.85   0.92   242

    accuracy   0.92   469
   macro avg   0.93   0.93   0.92   469
weighted avg   0.93   0.92   0.92   469

Confusion Matrix (Rows are true, Prediction are columms)
[[227   0]
 [36 206]]

Best k value = 2
Classification report for KNN
        precision   recall f1-score   support

    0.0   0.49   0.80   0.61   227
    1.0   0.54   0.22   0.32   242

    accuracy   0.50   469
   macro avg   0.52   0.51   0.46   469
weighted avg   0.52   0.50   0.46   469

Confusion Matrix (Rows are true, Prediction are columms)
[[181 46]
 [188 54]]