Section 2
Parameters report
Parameters are as below
w0: 28.151154856835507
w1: [14.821422475214217, -8.922950251537857, -6.114941469383007, -3.4034608371011075,
-10.078302737368665, -4.233412337856102, 17.82388053046373, -24.570205573300427,
-30.126102298828886, 9.284804673062599, -13.42834347195527, -12.872778366140679,
16.23890393175043, 13.584161030466062, -5.718695343182654, 13.321007714040555,
30.560909217115295, -6.995985287319495, -1.0655407847370881, -5.126035584845911]

F1 score according to K values
K = 1, F1 score = 0.5038167938931297
Accuracy report according to K values
K = 2, F1 score = 0.44202898550724634
Accuracy report according to K values
K = 3, F1 score = 0.4636488340192044
Accuracy report according to K values
K = 4, F1 score = 0.44961240310077516
Accuracy report according to K values
K = 5, F1 score = 0.4643741403026135
Accuracy report according to K values
K = 6, F1 score = 0.461145905822315
Accuracy report according to K values
K = 7, F1 score = 0.47058823529411764
Accuracy report according to K values
K = 8, F1 score = 0.4678645473393227
Accuracy report according to K values
K = 9, F1 score = 0.4731803677252697
Accuracy report according to K values
K = 10, F1 score = 0.47128331959329495
Accuracy report according to K values
K = 11, F1 score = 0.477334654446371
Accuracy report according to K values
K = 12, F1 score = 0.4779888522352406
Accuracy report according to K values
K = 13, F1 score = 0.4815704291531795
Accuracy report according to K values
K = 14, F1 score = 0.48171206225680935
Accuracy report according to K values
K = 15, F1 score = 0.4860960635608523
Accuracy report according to K values
K = 16, F1 score = 0.4867339154022209
Accuracy report according to K values
K = 17, F1 score = 0.49082386589338206
Accuracy report according to K values

K = 18, F1 score = 0.49177372098264593
Accuracy report according to K values
K = 19, F1 score = 0.49560408394781624
Accuracy report according to K values
K = 20, F1 score = 0.4968969239071775
Accuracy report according to K values
K = 21, F1 score = 0.49903833824849336
Accuracy report according to K values
K = 22, F1 score = 0.49947932618683
Accuracy report according to K values
K = 23, F1 score = 0.5006139273811612
Accuracy report according to K values
K = 24, F1 score = 0.5003085553997195
Accuracy report according to K values
K = 25, F1 score = 0.501183050118305
Accuracy report according to K values
K = 26, F1 score = 0.5015262041492058
Accuracy report according to K values
K = 27, F1 score = 0.5032578960457597
Accuracy report according to K values
K = 28, F1 score = 0.5041258875455766
Accuracy report according to K values
K = 29, F1 score = 0.5061956722766783

Best K value = 29

Section 5
K = 1, F1 score = 0.6059850374064838
Accuracy report according to K values
K = 2, F1 score = 0.5448129851799577
Accuracy report according to K values
K = 3, F1 score = 0.5705272645335736
Accuracy report according to K values
K = 4, F1 score = 0.5621959694232105
Accuracy report according to K values
K = 5, F1 score = 0.5760693015701137
Accuracy report according to K values
K = 6, F1 score = 0.575
Accuracy report according to K values
K = 7, F1 score = 0.5853284811338824
Accuracy report according to K values
K = 8, F1 score = 0.5850294365012617
Accuracy report according to K values
K = 9, F1 score = 0.5895731797371142
Accuracy report according to K values

K = 10, F1 score = 0.5902250632574244
Accuracy report according to K values
K = 11, F1 score = 0.5952038369304558
Accuracy report according to K values
K = 12, F1 score = 0.5963252282979425
Accuracy report according to K values
K = 13, F1 score = 0.6018928715263794
Accuracy report according to K values
K = 14, F1 score = 0.6050074738415545
Accuracy report according to K values
K = 15, F1 score = 0.6102017840131636
Accuracy report according to K values
K = 16, F1 score = 0.6121654501216546
Accuracy report according to K values
K = 17, F1 score = 0.616190765492102
Accuracy report according to K values
K = 18, F1 score = 0.6172591743119267
Accuracy report according to K values
K = 19, F1 score = 0.6206849962845369
Accuracy report according to K values
K = 20, F1 score = 0.6226185130540767
Accuracy report according to K values
K = 21, F1 score = 0.6245737944471506
Accuracy report according to K values
K = 22, F1 score = 0.625864574251671
Accuracy report according to K values
K = 23, F1 score = 0.6273770582691135
Accuracy report according to K values
K = 24, F1 score = 0.6283134130146083
Accuracy report according to K values
K = 25, F1 score = 0.6305884746452368
Accuracy report according to K values
K = 26, F1 score = 0.6317488262910798
Accuracy report according to K values
K = 27, F1 score = 0.6333991166243774
Accuracy report according to K values
K = 28, F1 score = 0.6344690105110548
Accuracy report according to K values
K = 29, F1 score = 0.6363279375190889

Best K Value: 29

Parameters report
w0: -0.04996462056759876

w1: [0.020093919298049934, -0.04065704575102737, -0.043156394476313004, 0.008797049161177913, 0.051507080533167465, -0.0707084375481069, 0.013149544977385574, 0.019469579072639326, 0.05838735825005566, -0.04424735382114038, -0.07661868897550195, 0.03455294850082166, 0.057897543038496056, 0.009904603332280132, -0.026632711465336315, -0.00507539318663823, 0.05219704306988138, -0.00996703121612802, 0.05455188257599919, -0.021396718383598995, 0.0]