Support Vector Classification kernel:poly, degree:3, coef0:1, gamma:1 kernel:poly, degree:10, coef0:1, gamma:0.1 kernel:poly, degree:10, coef0:1, gamma:3 kernel:poly, degree:10, coef0:1, gamma:1 Support vectors Support vectors Support vectors Support vectors polynomial -1**-**2 --3 + -2.0 -1.5 -1.0 -0.5 0.0-3 + -2.0 -1.5 -1.0 -0.5 0.0-3 + -2.0 -1.5 -1.0 -0.5 0.00.5 1.0 1.5 2.0 1.0 1.5 2.0 0.5 0.5 1.0 1.5 2.0 kernel:rbf, gamma:5000.0 kernel:rbf, gamma:0.005 kernel:rbf, gamma:50.0 kernel:rbf, gamma:0.5 Support vectors O support vectors Support vectors O support vectors gaussian -1 -1 --1 --1 - \bigcirc -2 --2 -**-**2 --3 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 -3 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 -3 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 kernel:laplacian, gamma:0.1 kernel:laplacian, gamma:100.0 kernel:laplacian, gamma:10.0 kernel:laplacian, gamma:1.0 O support vectors Support vectors Support vectors Support vectors \bigcirc laplacian 0 -1 --1 -**-**2 -**-**2 --2 --3 + -2.0 -1.5 -1.0 -0.5 0.0-3 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0-3 + -2.0 -1.5 -1.0 -0.5 0.0-3 + -2.0 -1.5 -1.0 -0.5 0.00.5 1.0 1.5 2.0 0.5 1.0 1.5 2.0 kernel:sigmoid, coef0:1, gamma:10 kernel:sigmoid, coef0:1, gamma:0.1 kernel:sigmoid, coef0:1, gamma:1 kernel:sigmoid, coef0:0, gamma:1 O support vectors Support vectors Support vectors Support vectors \bigcirc sigmoid -1 -1 --1 -

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