## **Support Vector Regression** kernel:poly, degree:10, coef0:1, gamma:0.1 kernel:poly, degree:3, coef0:1, gamma:1 kernel:poly, degree:10, coef0:1, gamma:3 kernel:poly, degree:10, coef0:1, gamma:1 O support vectors Support vectors Support vectors Support vectors polynomial -1 --1-<del>-</del>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 0.0-3 + -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:rbf, gamma:5000.0 kernel:rbf, gamma:0.5 kernel:rbf, gamma:0.005 kernel:rbf, gamma:50.0 O support vectors O support vectors O support vectors O support vectors gaussian -1 -1 -1 -<del>-</del>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 2.0kernel:laplacian, gamma:100.0 kernel:laplacian, gamma:10.0 kernel:laplacian, gamma:1.0 kernel:laplacian, gamma:0.1 O support vectors Support vectors Support vectors Support vectors laplacian -1 -**-**2 -**-**2 -3 + -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0-3 + -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 2.0kernel:sigmoid, coef0:1, gamma:0.1 kernel:sigmoid, coef0:1, gamma:10 kernel:sigmoid, coef0:1, gamma:1 kernel:sigmoid, coef0:0, gamma:1 O support vectors O support vectors O support vectors Support vectors sigmoid -1 --1 -

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