Machine Learning Exercise 4

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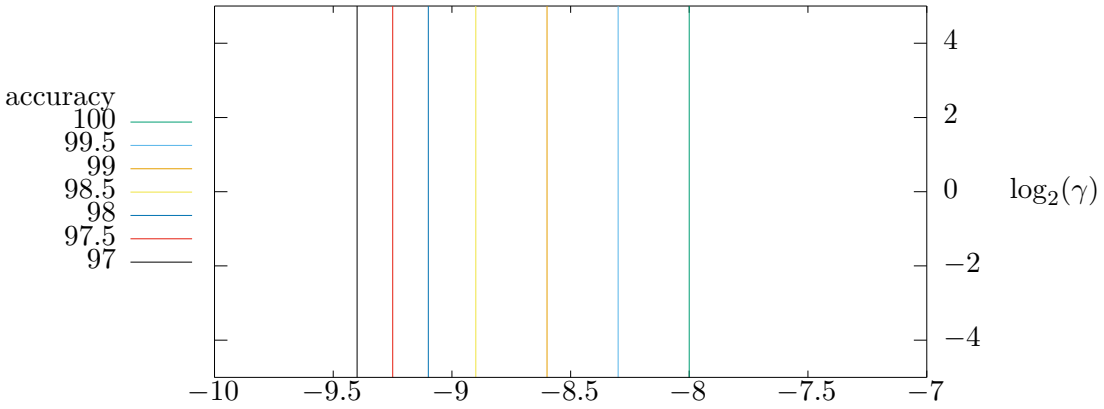

Figure 1: Linear Kernel
Best $\log_2(C) = -8.0$, $\log_2(\gamma) = 0.0$, accuracy = 100.0%, $C = 0.00390625$, $\gamma = 1.0$

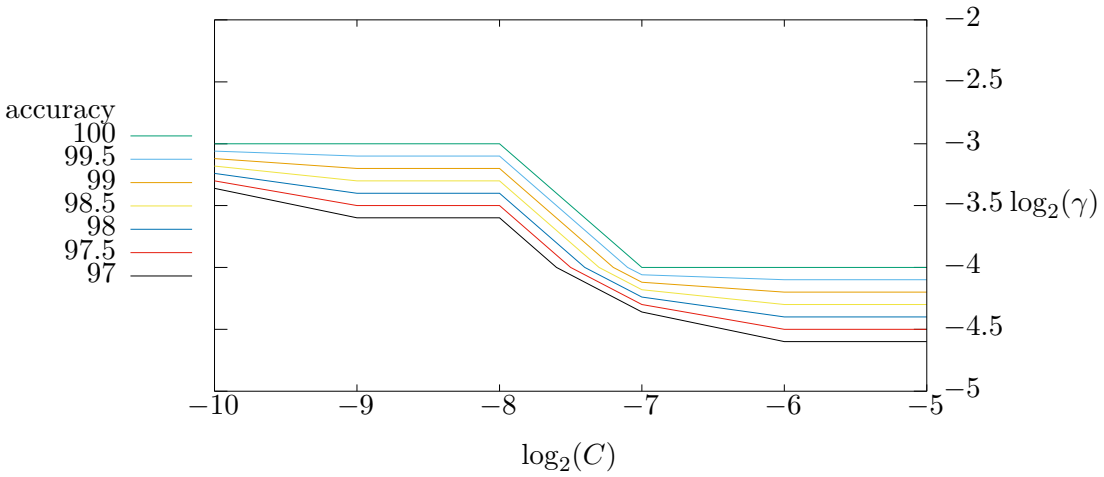

Figure 2: polynomial Kernel
Best $\log_2(C) = -10.0$, $\log_2(\gamma) = -3.0$, accuracy = 100.0%, $C = 0.0009765625$, $\gamma = 0.125$

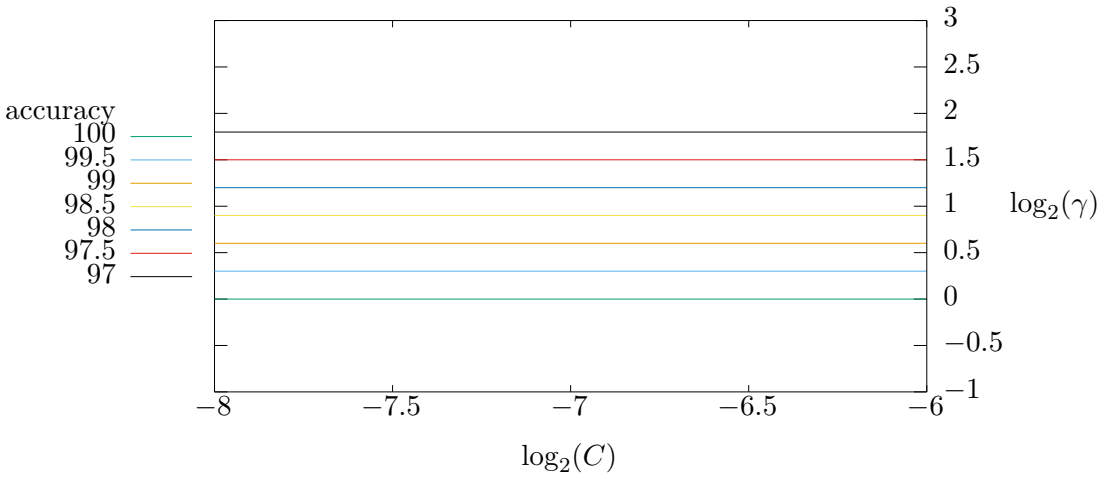

Figure 3: Radial Kernel
Best $\log_2(C) = -8.0$, $\log_2(\gamma) = 0.0$, accuracy = 100.0%, $C = 0.00390625$, $\gamma = 1.0$

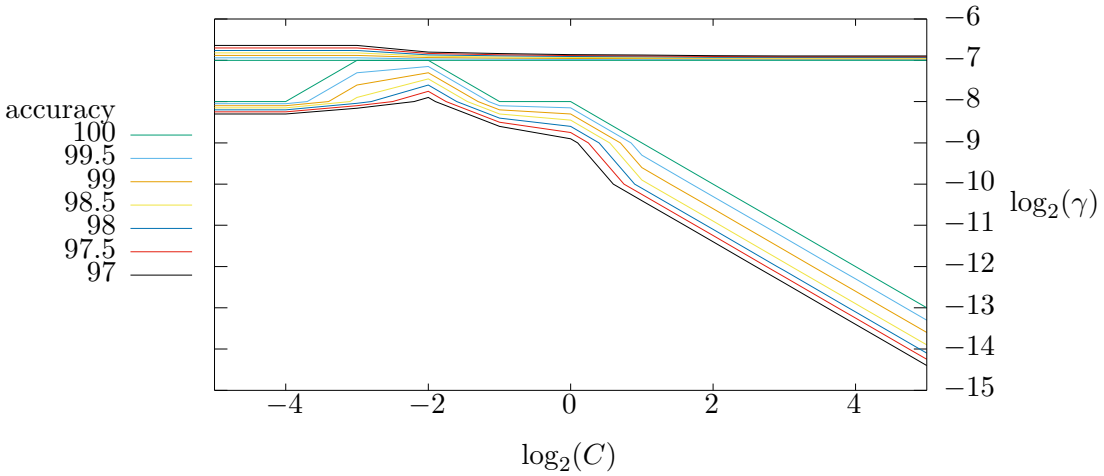

Figure 4: Sigmoidal Kernel
Best $\log_2(C) = 2.0$, $\log_2(\gamma) = -10.0$, accuracy = 100.0%, $C = 4.0$, $\gamma = 0.0009765625$