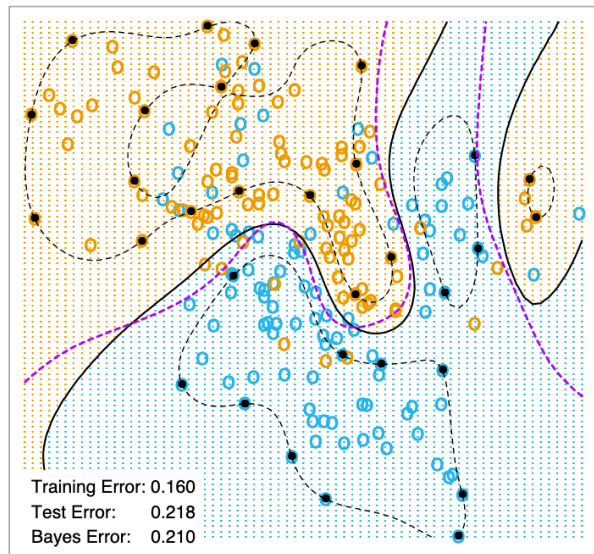
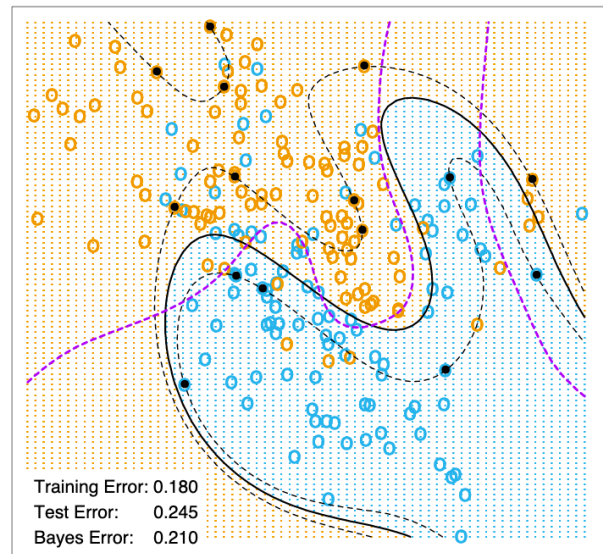


SVM - Radial Kernel in Feature Space



SVM - Degree-4 Polynomial in Feature Space



These are the second choice on first project. The figure is almost the same as the first choice. The only difference is that the this second choice has really fancy curved kernel rather than first choice which only uses linear kernel to divide those dots into 2 regions. With this kind of kernel, the test error can be less than previous choice. Also, this one is obviously even harder to code than the one only uses linear kernel.