**CPT\_S 534 HW5**

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The linear regression model for one-five:

Class = -2.6496\*Intensity – 0.9668\*Symmetry + 0.8203

1) Report in-sample error as mean sum squared residuals and number misclassified

Mean sum squared error = 0.7188

2) Calculate 2x2 confusion matrix

3) Make a scatter plot like figure 3.2, text p83

4) Include discriminant, **w**T**x**=bin average, in plot as boundary between classes

5) Calculate ECV-1 by leave-one-out

ECV-1 = 0.7244

6) Compare ECV-1 with Ein as mean sum squared residuals and number misclassified