**Logistic Regression Analysis**

**Using all Independent Variables with Confusion Matrices**

Correct predictions are on the diagonal [0,0] and [1,1]

[0,1] and [1,0] are errors - these results show heavily weighted to the upper right [0,1]

This indicates the actual result was 0 but the prediction was 1 or a false positive

**All Lenders**

confusion matrix

[[ 110 1930]

[ 60 9908]]

**All Banks**

confusion matrix

[[ 151 1248]

[ 64 6780]]

**All Online Lenders**

confusion matrix

[[ 0 606]

[ 0 3159]]

**U.S. Bank**

confusion matrix

[[ 97 538]

[ 96 1943]]

**Wells Fargo Bank**

confusion matrix

[[ 70 631]

[ 22 3026]]

**Bell Bank**

confusion matrix

[[ 0 44]

[ 0 1777]]

**Quicken Online**

confusion matrix

[[ 0 565]

[ 0 1531]]

**AMEC**

confusion matrix

[[ 0 52]

[ 0 1287]]

**Guaranteed Rate**

confusion matrix

[[ 2 17]

[ 0 312]]