

# Machine Learning Final Report

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### 1.1 First time commit

1. Algorithm:

(a) Logistic Regression

params:

C=1.0, class\_weight=None, dual=False, fit\_intercept=True, intercept\_scaling=1, penalty='l2'

E\_in: 0.015

E\_out: 0.82

(b) Ridge Regression alphas=array[ 0.1, 1., 10. ], class\_weight=None, cv=None,

fit\_intercept=True, loss\_func=None, normalize=False

E\_out: 0.87

2. Feature Extraction:

(a) Hog