

VPR task – accuracy estimated by 9-fold cross-validation

All numbers are in %

method	VPR.cry	VPR.submit
MFC baseline	52.4	70.8
AVG Human	92.2	94.1
Best model with the provided features	79.2	90.0
Best model with additional features	84.8	93.6
SIMPLE MODELS		
Single Decision Tree	61.6	86.0
Simple Logistic Regression	67.2	82.4
SVM	73.2	86.0
RESAMPLING METHODS		
Simple bagging	70.8	84.4
AdaBoost	75.6	86.4
Random Forest	80.0	87.2
LOGISTIC REGRESSION & REGULARIZATION		
LR & Lasso regularization	72.4	82.1
LR & Ridge regularization	70.4	86.4
FEATURE SELECTION		
SVM & feature selection based on the AdaBoost variable importance	76.4	N/A
SVM & feature selection using Lasso	76.4	N/A
SVM & feature selection by SVM-RFE	79.2	90.0