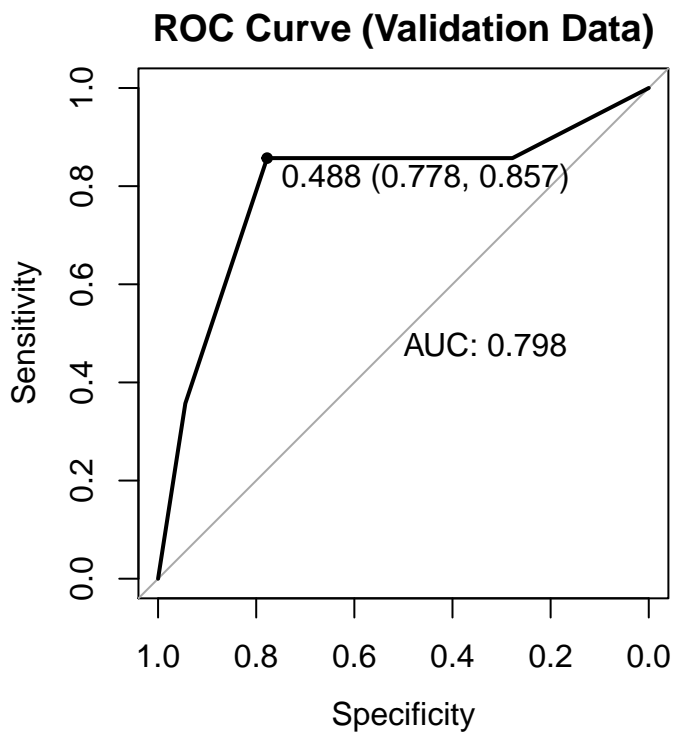
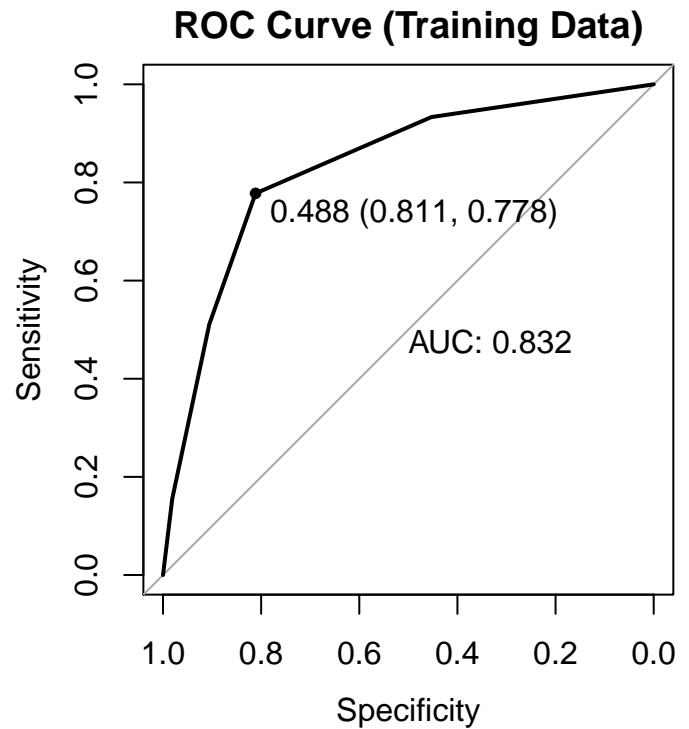
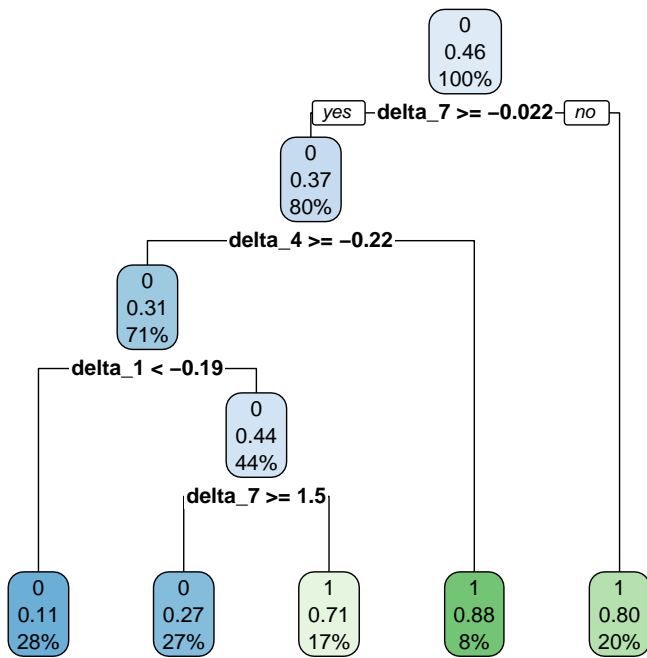


# SMART Weight Loss: Analytics for July 2020 Submission

December 14, 2020

## 1 ROC Curves for Classification Tree



## 2 Can we identify App nonresponders during the first week of treatment?

Table 1: CART Only

	Sensitivity	Specificity
Training	0.778	0.811
Validation	0.857	0.778

Table 2: Overall Decision Rule

	Sensitivity	Specificity
Training	0.848	0.632
Validation	0.889	0.700

## 3 Is response status at week 8 predictive of weight loss at month 3?

Table 3: Estimates of Parameters in a Logistic Regression Model

	Estimate	Std. Error	z value	$\Pr(> z )$
beta0	0.045	0.213	0.213	0.831
beta1	-2.610	0.474	-5.504	0.000