

Tree based Modeling Methods to Predict Nitrate Exceedances in the Ogallala Aquifer in Texas

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Supplementary Information

Table 1. Contingency Tables for Training and Testing Data for Various Models along with Cut-off Probabilities.

		Training		Testing	
		Observed		Observed	
Cut-off:0.516		1	0	1	0
LR	1	35 (TP)	6 (FP)	10	6
	0	8 (FN)	26 (TN)	5	5
Cut-off:0.040					
CART	1	42	1	11	4
	0	1	31	4	7
Cut-off:0.475					
MARS	1	41	2	10	3
	0	2	30	5	8
Cut-off:0.667					
Random Forest	1	28	7	10	1
	0	15	25	5	10
Cut-off:0.576					
Gradient Boosting Trees	1	36	3	10	3
	0	7	29	5	8