

1 0 Noise Features

	Actual Low	Actual High
Pred. Low	122.91 (122.84 , 122.91)	12.99 (12.99 , 13.06)
Pred High	11.09 (11.09 , 11.16)	4.01 (3.94 , 4.01)

Table 1: CV Confusion Matrix for alpha = 0.1 . The parentheses are .25 and .75 quantiles.

	Actual Low	Actual High
Pred. Low	100.72 (100.72 , 100.72)	4.98 (4.98 , 4.98)
Pred High	33.28 (33.28 , 33.28)	12.02 (12.02 , 12.02)

Table 2: CV Confusion Matrix for alpha = 0.3 . The parentheses are .25 and .75 quantiles.

	Actual Low	Actual High
Pred. Low	72.36 (72.54 , 72.54)	3.14 (2.96 , 2.96)
Pred High	61.64 (61.46 , 61.46)	13.86 (14.04 , 14.04)

Table 3: CV Confusion Matrix for alpha = 0.5 . The parentheses are .25 and .75 quantiles.

Feature	Number Times
uvot_detection	90

Table 4: Splits for alpha = 0.1 model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	Number Times
uvot_detection	100

Table 5: Splits for alpha = 0.3 model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	Number Times
uvot_detection	98

Table 6: Splits for alpha = 0.5 model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	90

Table 7: Splits for alpha = 0.1 model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	100

Table 8: Splits for alpha = 0.3 model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	98

Table 9: Splits for $\alpha = 0.5$ model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.

2 1 Noise Feature

	Actual Low	Actual High
Pred. Low	123.03 (122.53 , 123.35)	12.87 (12.55 , 13.37)
Pred High	10.97 (10.65 , 11.47)	4.13 (3.63 , 4.45)

Table 10: CV Confusion Matrix for $\alpha = 0.1$. The parentheses are .25 and .75 quantiles.

	Actual Low	Actual High
Pred. Low	100.46 (100.14 , 100.72)	5.24 (4.98 , 5.56)
Pred High	33.54 (33.28 , 33.86)	11.76 (11.44 , 12.02)

Table 11: CV Confusion Matrix for $\alpha = 0.3$. The parentheses are .25 and .75 quantiles.

	Actual Low	Actual High
Pred. Low	71.86 (71.73 , 72.44)	3.64 (3.06 , 3.77)
Pred High	62.14 (61.56 , 62.27)	13.36 (13.23 , 13.94)

Table 12: CV Confusion Matrix for $\alpha = 0.5$. The parentheses are .25 and .75 quantiles.

Feature	Number Times
uvot_detection	77
f1	23

Table 13: Splits for $\alpha = 0.1$ model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	Number Times
uvot_detection	99
f1	15

Table 14: Splits for $\alpha = 0.3$ model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	Number Times
uvot_detection	100
f1	31

Table 15: Splits for $\alpha = 0.5$ model. The Number Times column is the number of trees the given feature appeared in out of a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	77

Table 16: Splits for $\alpha = 0.1$ model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	99

Table 17: Splits for $\alpha = 0.3$ model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.

Feature	No. Times First Split
uvot_detection	100

Table 18: Splits for $\alpha = 0.5$ model. The Number Times column is the number of trees the given feature was the first split in a total of 100 created for cross validation.