ArboMAP: Arbovirus Modeling and Prediction to Forecast Mosquito-Borne Disease Outbreaks

Variable Selection (v2.0)
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head(dailyextr)

Variable selection has been performed, with environmental variables chosen pairwise from the available environmental covariates. There were 15 models considered, and these are ordered below by the Akaike information criterion (AIC). A lower AIC in this case means the model fit the observed data better, so we generally assume that the first model on the list is the best model, and use these two variables for modeling and prediction.

Here, therefore, we recommend tmeanc and vpd as predictors in the `ArboMAP Main Code.Rmd` file.

var1	var2	AIC
tmeanc	vpd	6395.11
tmaxc	vpd	6406.59
tmeanc	rmean	6424.50
tminc	vpd	6428.23
tmaxc	rmean	6429.22
tminc	rmean	6447.87
tminc	pr	6504.59
tminc	tmeanc	6511.48
tminc	tmaxc	6511.48
tmeanc	tmaxc	6511.48
tmeanc	pr	6534.88
tmaxc	pr	6569.40
rmean	vpd	6617.04
pr	vpd	6697.74
pr	rmean	7164.97