Choosing representative BRT-models from sets of replicates

Supplementary Information Cape vs SWA publication

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```
is_between <- function(x, a, b) {</pre>
  (x >= a) & (x <= b)
determine_bounds <- function(reps, bound_quantile = 0.05) {</pre>
 columns <- c("nt", "pseudo_r2", "pred_obs_r2", "pred_obs_r2_exp")</pre>
 summarise_at(reps, columns, funs(
   \# E.q. \ 0.025 + 0.025 = 5\% quantile about the median
   lwr = quantile(., (0.5 - (bound_quantile / 2))),
   upr = quantile(., (0.5 + (bound_quantile / 2)))
 ))
filter_reps_by_bounds <- function(reps, bounds) {</pre>
 bounds %$% filter(reps,
              %>% is between(nt lwr,
                                             nt upr),
   pred_obs_r2 %>% is_between(pred_obs_r2_lwr, pred_obs_r2_upr)
  )
}
```

```
reps <- read.csv(...)
bounds <- determine_bounds(reps)
filter_reps_by_bounds(reps, bounds)</pre>
```