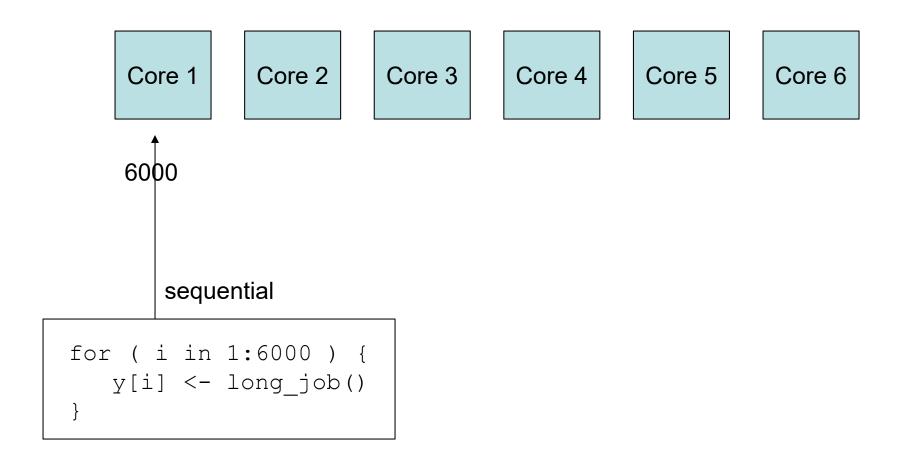
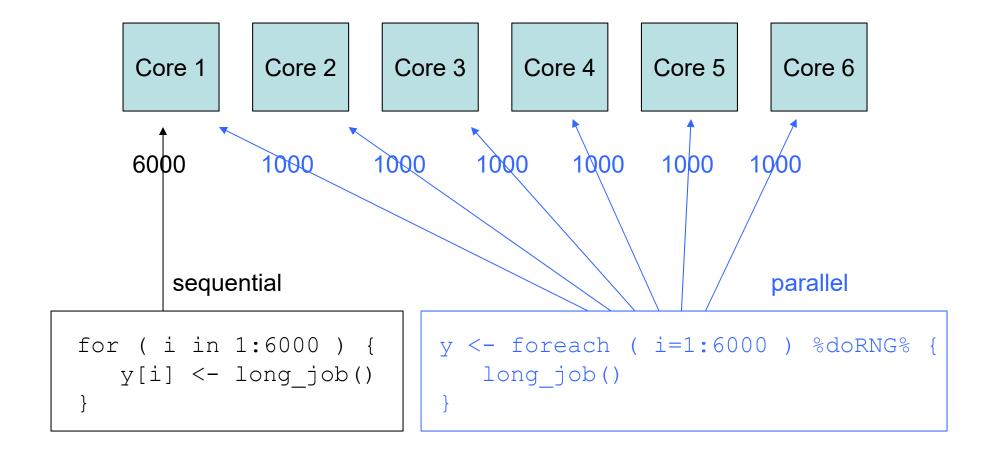
Today

- Parallel processing
- Bagging
 - inference algorithm (predictive performance)
 - tuning

Parallel processing



Parallel processing



Setup

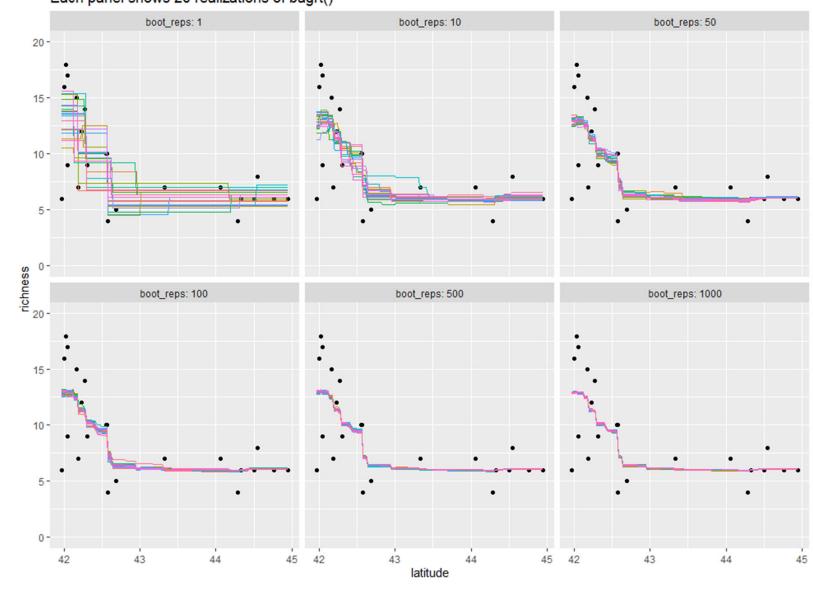
```
library(future)
library(doFuture)
                                library(foreach)
library(doRNG)
registerDoFuture()
availableCores()
plan (multisession, workers=8)
# Handy timing function:
system.time( some function() )
# Saving/loading long jobs
save(myresult1, myresult2, file="/saved/myresult.Rdata")
load("/saved/myresult.Rdata")
```

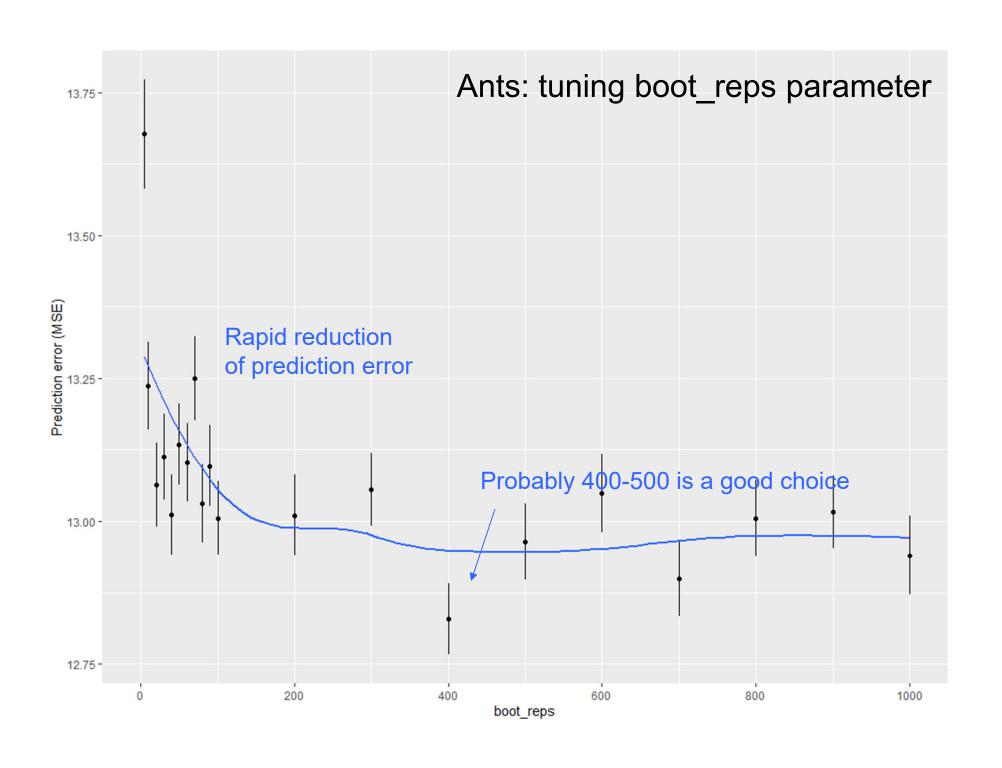
Inference algorithm

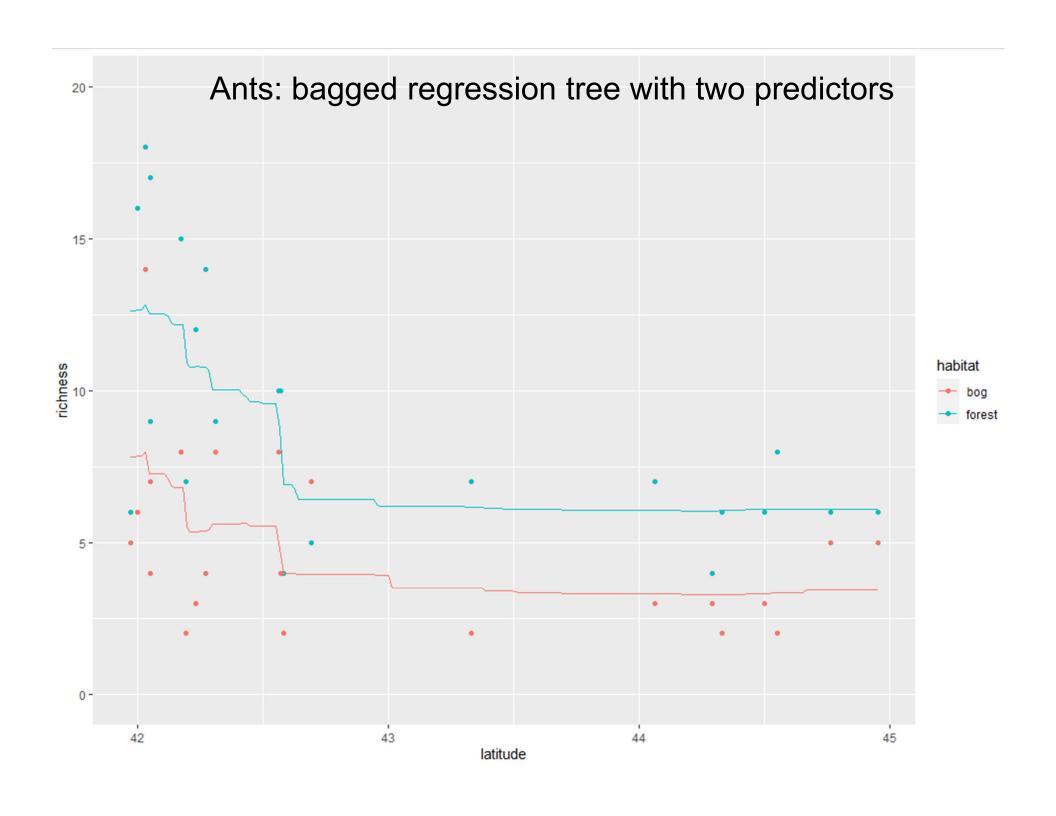
- 5-fold CV, 500 splits
- Ants: mean prediction error (MSE)
 12.93 +/- 0.07

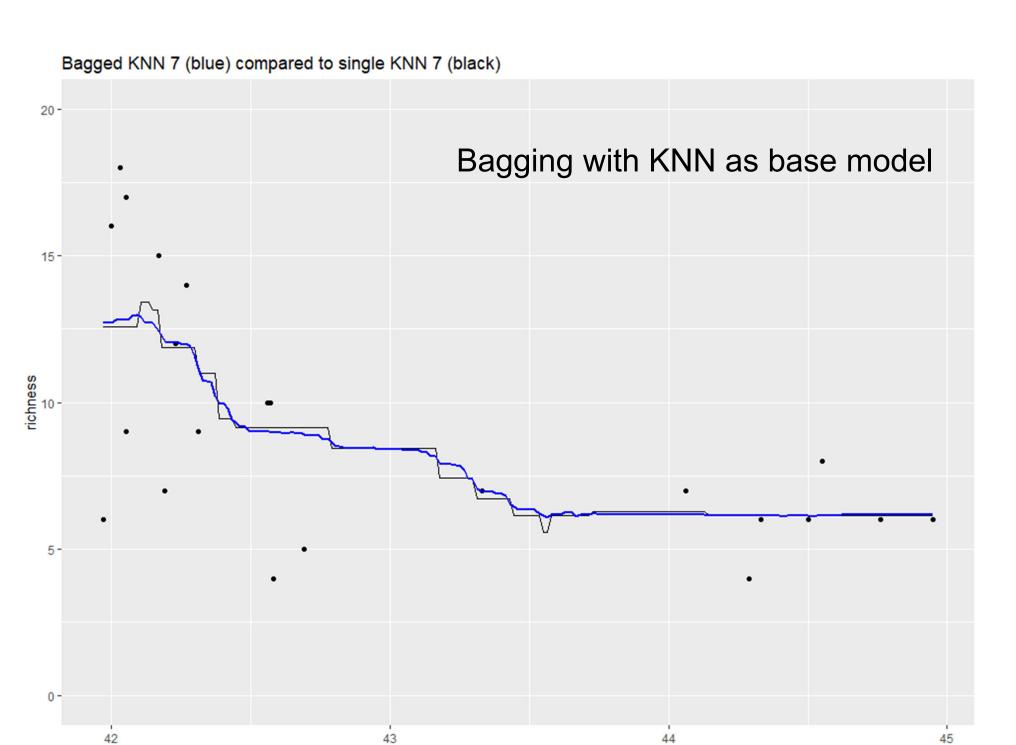
Bagging reduces prediction variance











latitude