

# Distributed training for hyperparameter optimization

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# What we did

- Started model parametrization
- Bayesian optimization for hyperparameter search with skopt
- mpi\_learn, wrote by Dustin, can be used for distributed training
- Discussed two different options for MPI distributed training
  - use mpi\_learn as it is, spawning a separate process for each configuration
  - use a single process that divides the resources between the separate training

# What comes next

- finish the model parametrization and combine it with the hyperparameter search
- implement the two MPI solutions and evaluate them