







# H2OGBM Tuning Tutorial for Python

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**Arno Candel, PhD, Chief Architect, H2O.ai**

**Ported to Python by Navdeep Gill, M.S., Hacker/Data Scientist, H2O.ai**

In this tutorial, we show how to build a well-tuned H2O GBM model for a supervised classification task. We specifically don't focus on feature engineering and use a small dataset to allow you to reproduce these results in a few minutes on a laptop. This script can be directly transferred to datasets that are hundreds of GBs large and H2O clusters with dozens of compute nodes.

You can download the source [from H2O's github repository](#).

Ports to [R Markdown](#) and [Flow UI](#) (now part of Example Flows) are available as well.

<https://github.com/h2oai/h2o-3/blob/master/h2o-dbs/src/main/scala/org/apache/spark/h2o/H2OUtils.scala>

# XGBoost

- Popular open-source GBM library
- Used by many Kagglers and a successful algorithm implementation to win competitions

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<https://github.com/h2oai/h2o-3/blob/master/h2o-docs/src/product/tutorials/gbm/gbmTuning.ipynb>

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