







**XGBoost Framework**

- **DMatrix: Data set abstraction and data structure**
- **Booster: GBM algorithm abstraction**

# XGBoost in H2O

- No algorithmic difference between H2O XGBoost and “regular” XGBoost
  - H2O just calls the regular XGBoost backend
  - H2O uses JNI to communicate to native C++ XGBoost libraries
- Two modules
  - **h2o-ext-xgboost**: contains actual XGBoost model and model builder code
  - **h2o-genmodel-ext-xgboost**: extends **h2o-genmodel** module and registers XGBoost-specific MOJO

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