H2O Driverless AI is an automatic machine learning platform that gives you an experienced "data scientist in a box".

H2O Driverless AI, deployed on the Cirrascale Cloud Services platform, employs the techniques of expert data scientists in an easy to use application that helps scale your data science efforts. Driverless AI empowers data scientists to work on projects faster using automation and state-of-the-art computing power from GPUs to accomplish tasks in minutes that used to take months.

With Driverless AI, everyone including expert and junior data scientists, domain scientists, and data engineers can develop trusted machine learning models. This next-generation automatic machine learning platform delivers unique and advanced functionality for data visualization, feature engineering, model interpretability and low-latency deployment.

Automatic Feature Engineering

Feature engineering is the secret weapon that advanced data scientists use to extract the most accurate results from algorithms. H2O Driverless AI employs a library of algorithms and feature transformations to automatically engineer new, high value features for a given dataset.

Machine Learning Interpretability (MLI)

H2O Driverless AI provides robust interpretability of machine learning models to explain modeling results. In the MLI view H2O Driverless AI employs a host of different techniques and methodologies for interpreting and explaining the results of its models, four charts are generated automatically including: K-LIME, Shapley, Variable Importance, Decision Tree, Partial Dependence and more.

Natural Language Processing with TensorFlow

Text data can contain critical information to inform better predictions. Driverless AI automatically converts short text strings into features using powerful techniques like TFIDF. With TensorFlow, Driverless AI can also process larger text blocks and build models using all available data and to solve business problems like sentiment analysis, document classification and content tagging.

The Most Cost-Effective Cloud Platform to Deploy On

Customer deploy H2O Driverless AI on the Cirrascale Cloud Services platform because we save them time and money with advanatges such as:

- Flat-rate weekly and monthly billing with NO SURPRISES!
- No ingress or egress fees on data providing a huge savings.
- Dedicated, bare-metal servers... no virtualization!
- Multi-month and volume discount programs.
- Expert support, Zero DevOps.

Our team of engineers are here to help you, and we work closely with H2O to ensure the best experience possible using H2O Driverless AI in the cloud.

Additional Key Features

Automatic Scoring Pipelines

Automatically generates both Python scoring pipelines and new ultra-low latency automatic scoring pipelines. The new automatic scoring pipeline is a unique technology that deploys all feature engineering and the winning machine learning model in a highly optimized, low latency production ready Java code that can be deployed anywhere.

Flexibility of Data and Deployment

H2O Driveless AI works across a variety of data sets including Hadoop HDFS, Amazon S3, and more. H2O Driverless AI is ideally suited for deployment on the Cirrascale Cloud Services platform with multi-GPU servers including IBM Power 9.

Automatic Visualization

H2O Driverless AI automatically generates visualizations and creates data plots that are most relevant from a statistical perspective based on the most relevant data statistics to help users get a quick understanding of their data prior to starting the model building process.

Ready to Get Started?

Visit
http://H2O.cirrascale.com
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