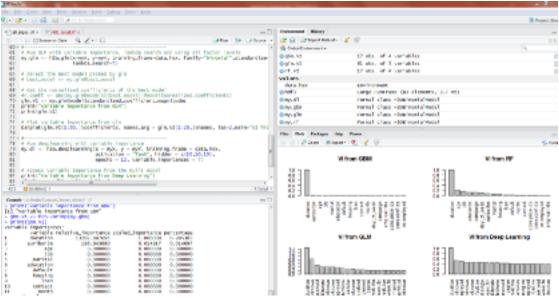


R, Python and Flow





Setup Parse

PARSE CONFIGURATION

Sources 9, http://s3.amaconows.com/h2o-public-test-data/smalldata/flow_examples/seeds_dataset.bd

ID Key_Frame_http__sQ_amazonaws_com_hQo_public_test_data_emalldata_flow_examples_seeds_dataset.hex

Perser CSV •

Separator HT "\t" (horizontal tab): 'DV'

Column Headers @ Auto

First row contains column names

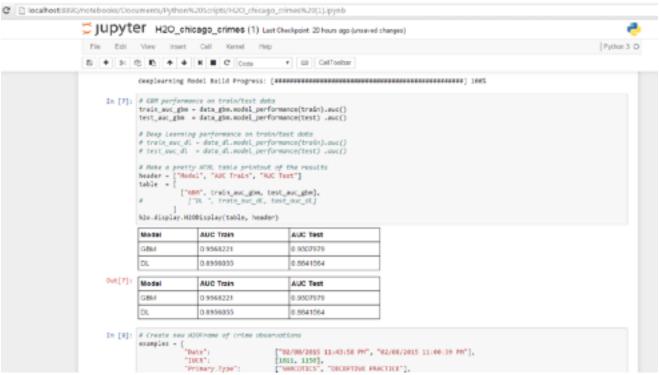
First row contains data

Options | Enable single quotes as a field quotation character

☑ Delete on done

EDIT COLUMN NAMES AND TYPES

Search by column name.							
1	Numeric *	15.26	14.88	14.20	13.84	16.14	14.38
2	Numeric *	14.04	14.57	14.00	10.94	14.99	14.21
3	Numeric *	0.071	0.0011	0.965	0.8955	0.9034	0.0951
4	Numeric *	5.703	5.554	5.291	5.324	5.058	5.386
5	Numeric *	3.312	3.333	3.337	3.379	3.502	3.312
6	Numeric *	2.221	1.018	2.699	2.259	1.355	2.462
7	Numeric *	5,22	4,950	4,825	4.885	5,175	4.956
8	Numeric *	1	1	1	1	1	1
de Province name (Call)							



R Interface Overview

Action	R	H2O			
Reading data	read_csv(data_path)	h2o.importFile(data_path)			
Summarizing data	<pre>summary(data_frame)</pre>	h2o.summary(h2o_frame)			
Summary statistics	<pre>mean(data_frame[["x"]])</pre>	h2o.mean(h2o_frame)			
Combining rows	<pre>rbind(data_frame1, data_frame2)</pre>	h2o.rbind(h2o_frame1, h2o_frame2)			
Combining columns	<pre>cbind(data_frame1, data_frame2)</pre>	h2o.cbind(h2o_frame1, h2o_frame2)			
Data selection	data_frame[,]	h2o_frame[,]			
Transforming columns	<pre>log(data_frame[,"x"]) sqrt(data_frame[,"x"])</pre>	<pre>log(h2o_frame[,"x"]) sqrt(h2o_frame[,"x"])</pre>			
Building Random Forest	<pre>model = randomForest(y ~ x, data_frame)</pre>	<pre>model = h2o.randomForest(x, y, train_frame)</pre>			
Model Prediction	<pre>predict(model, data_frame)</pre>	h2o.predict(model, h2o_frame)			
Model Metrics	<pre>performance(model) auc(model)</pre>	<pre>metrics = model.model_performance(frame) h2o.auc(model)</pre>			



R, Python and Flow

