GBM_Airlines_Classification

☁ 1 / 1 files imported.

Files 🔍 https://s3.amazonaws.com/h2o-public-test-data/smalldata/airlines/allyears2k_headers.zip

Actions (⚙ Parse these files…)

⚙ Setup Parse

PARSE CONFIGURATION

Sources 🔍 https://s3.amazonaws.com/h2o-public-test-data/smalldata/airlines/allyears2k_headers.zip

ID allyears2k_headers.hex

Parser [CSV ⬍]

Separator [,: '44' ⬍]

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…

#	Name	Type									
1	Year	Numeric	1987	1987	1987	1987	1987	1987	1987	1987	1987
2	Month	Numeric	10	10	10	10	10	10	10	10	10
3	DayofMonth	Numeric	14	15	17	18	19	21	22	23	24
4	DayOfWeek	Numeric	3	4	6	7	1	3	4	5	6
5	DepTime	Numeric	741	729	741	729	749	728	728	731	744
6	CRSDepTime	Numeric	730	730	730	730	730	730	730	730	730
7	ArrTime	Numeric	912	903	918	847	922	848	852	902	908
8	CRSArrTime	Numeric	849	849	849	849	849	849	849	849	849
9	UniqueCarrie	Enum	PS	PS	PS	PS	PS	PS	PS	PS	PS
10	FlightNum	Numeric	1451	1451	1451	1451	1451	1451	1451	1451	1451

11	TailNum	Enum ⇕	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	ActualElapse	Numeric ⇕	91	94	97	78	93	80	84	91	84
13	CRSElapsedT⁻	Numeric ⇕	79	79	79	79	79	79	79	79	79
14	AirTime	Numeric ⇕	NA	NA	NA	NA	NA	NA	NA	NA	NA
15	ArrDelay	Numeric ⇕	23	14	29	−2	33	−1	3	13	19

← Previous page → Next page

⊞ Parse

☰ Job

Run Time	00:00:01.620
Type	Frame
Key	🔍 allyears2k_headers.hex
Description	Parse
Status	DONE
Progress	100%
	DONE
Actions	🔍 View

⊞ allyears2k_headers.hex

Actions: ⠿ View Data   ✂ Split…   📦 Build Model…   ⚡ Predict   🗑 Delete
☁ Download   💾 Export

Rows	Columns	Compressed Size
43978	31	2MB

▾ COLUMN SUMMARIES

label	type	Missing	Zeros	+Inf	−Inf	min	max	mean	sigma	cardi
Year	int	0	0	0	0	1987.0	2008.0	1997.5000	6.3444	
Month	int	0	0	0	0	1.0	10.0	1.4091	1.8747	
DayofMonth	int	0	0	0	0	1.0	31.0	14.6011	9.1758	
DayOfWeek	int	0	0	0	0	1.0	7.0	3.8206	1.9050	

DepTime	int	1086	0	0	0	1.0	2400.0	1345.8467	465.3409
CRSDepTime	int	0	569	0	0	0	2359.0	1313.2229	476.2511
ArrTime	int	1195	0	0	0	1.0	2400.0	1504.6341	484.3475
CRSArrTime	int	0	569	0	0	0	2359.0	1485.2892	492.7504
UniqueCarrier	enum	0	724	0	0	0	9.0	6.9355	2.0512
FlightNum	int	0	0	0	0	1.0	3949.0	818.8430	777.4044
TailNum	enum	32	2	0	0	0	3500.0	2376.0975	1168.7593
ActualElapsedTime	int	1195	0	0	0	16.0	475.0	124.8145	73.9744
CRSElapsedTime	int	13	0	0	0	17.0	437.0	125.0216	73.4016
AirTime	int	16649	0	0	0	14.0	402.0	114.3161	69.6363
ArrDelay	int	1195	1514	0	0	-63.0	475.0	9.3171	29.8402
DepDelay	int	1086	6393	0	0	-16.0	473.0	10.0074	26.4388
Origin	enum	0	59	0	0	0	131.0	61.1830	37.6441
Dest	enum	0	172	0	0	0	133.0	78.5526	33.9301
Distance	int	35	0	0	0	11.0	3365.0	730.1822	578.4380
TaxiIn	int	16026	623	0	0	0	128.0	5.3814	4.2020

← Previous 20 Columns   → Next 20 Columns

▸ CHUNK COMPRESSION SUMMARY

▸ FRAME DISTRIBUTION SUMMARY

📦 Build a Model

Select an algorithm: (Algorithm) ⬍

☰ Build Model

☰ Job

Run Time 00:00:02.2

Type Model

Key 🔍 gbm_pojo_test

Description GBM

Status DONE

Progress 100%

DONE

Actions 🔍 View

📦 Model

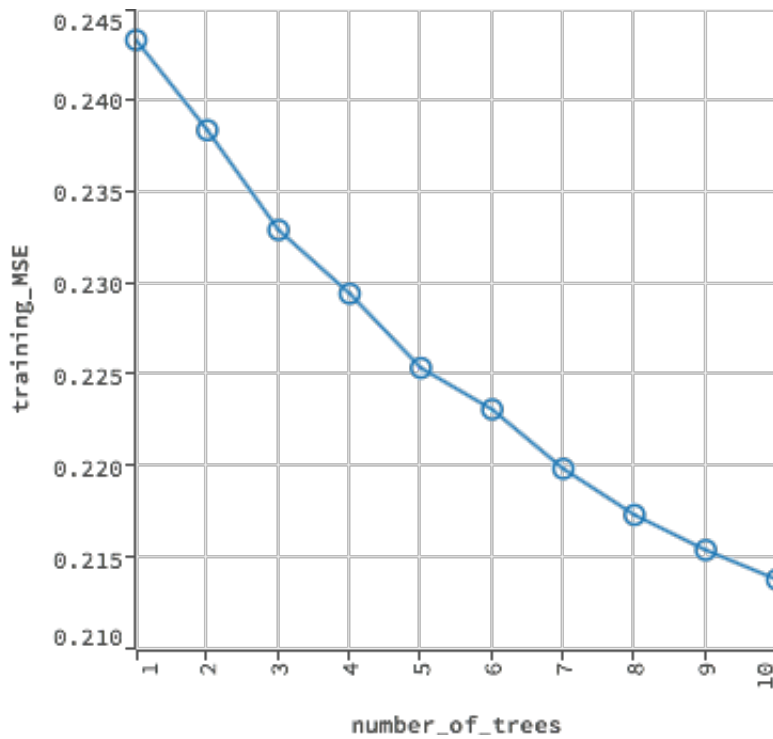*Model ID:* gbm_pojo_test

Algorithm: Gradient Boosting Machine

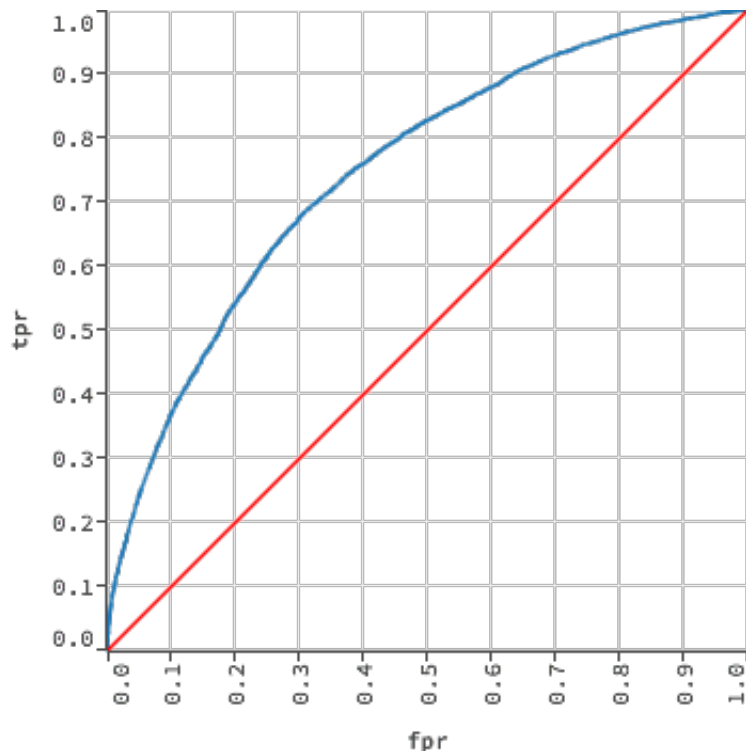*Actions:* ⚡ Predict…   ⬇ Download POJO   ☰ Inspect   🗑 Delete

▸ MODEL PARAMETERS

▾ SCORING HISTORY - MSE
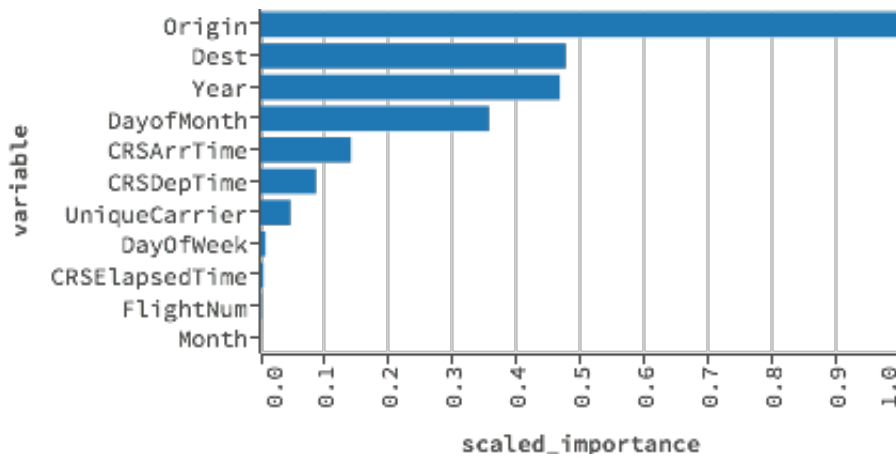
ROC CURVE - TRAINING METRICS , AUC = 0.749372

Threshold:
Choose...

Criterion:
Choose...

VARIABLE IMPORTANCES

▸ OUTPUT

▸ OUTPUT - MODEL SUMMARY

▸ OUTPUT - SCORING HISTORY

▸ OUTPUT - TRAINING_METRICS

▸ DOMAIN

▸ OUTPUT - TRAINING_METRICS - METRICS FOR THRESHOLDS (BINOMIAL METRICS AS A FUNCTION OF CLASSIFICATION THRESHOLDS)

▸ OUTPUT - TRAINING_METRICS - MAXIMUM METRICS (MAXIMUM METRICS AT THEIR RESPECTIVE THRESHOLDS)

▸ OUTPUT - VARIABLE IMPORTANCES

▾ PREVIEW POJO

</> Preview POJO