```
 1 *-------------------------------------------------------------
   ---*
 2 User:                 u63454162
 3 Date:                 07 January 2024
 4 Time:                 08:30:32
 5 *-------------------------------------------------------------
   ---*
 6 * Training Output
 7 *-------------------------------------------------------------
   ---*
 8
 9
10
11
12 Variable Summary
13
14              Measurement    Frequency
15 Role             Level         Count
16
17 FREQ          INTERVAL          1
18 ID            INTERVAL          1
19 INPUT         INTERVAL          5
20 INPUT         NOMINAL           3
21 REJECTED      NOMINAL           1
22 TARGET        NOMINAL           1
23
24
25
26
27 Model Events
28
29                                      Number
30                     Measurement        of
31 Target    Event        Level         Levels      Order
   Label
32
33 Churn       1         NOMINAL           2      Descending
34
```

Predicted and decision variables

Type	Variable	Label
TARGET	Churn	
PREDICTED	P_Churn1	Predicted: Churn=1
RESIDUAL	R_Churn1	Residual: Churn=1
PREDICTED	P_Churn0	Predicted: Churn=0
RESIDUAL	R_Churn0	Residual: Churn=0
FROM	F_Churn	From: Churn
INTO	I_Churn	Into: Churn

The HPFOREST Procedure

Performance Information

Execution Mode	Single-Machine
Number of Threads	2

Data Access Information

Data	Engine	Role	Path
WORK.HPDMFOREST2_TRAINDATA	V9	Input	On Client

Model Information

Parameter	Value

73	Variables to Try	3	(Default)
74	Maximum Trees	100	
75	Actual Trees	100	
76	Inbag Fraction	0.6	
77	Prune Fraction	0	(Default)
78	Prune Threshold	0.1	(Default)
79	Leaf Fraction	0.00001	(Default)
80	Leaf Size Setting	1	(Default)
81	Leaf Size Used	1	
82	Category Bins	30	
83	Interval Bins	100	
84	Minimum Category Size	5	
85	Node Size	100000	(Default)
86	Maximum Depth	50	
87	Alpha	0.05	
88	Exhaustive	5000	
89	Rows of Sequence to Skip	5	(Default)
90	Split Criterion	.	Gini
91	Preselection Method	.	BinnedSearch
92	Missing Value Handling	.	Valid value
93			
94			
95	Number of Observations		
96			

	Type	NTrain	NValid	NTotal
98				
99	Number of Observations Read	15885	3973	19858
100	Number of Observations Used	15885	3973	19858

101
102
103 Baseline Fit Statistics
104

	Statistic	Value	Validation
106			
107	Average Square Error	0.160	0.160

Misclassification Rate	0.200	0.200
Log Loss	0.500	0.500

Fit Statistics

Number of Trees	Number of Leaves	Average Square Error (Train)	Average Square Error (OOB)	Average Square Error (Valid)	Misclassification Rate (Train)	Misclassification Rate (OOB)	Misclassification Rate (Valid)	Log Loss (Train)	Log Loss (OOB)	Log Loss (Valid)
1	3509	0.2019	0.492	0.489	2.05E-01	0.496	0.491	4.462	11.120	11.075
2	7068	0.1247	0.466	0.380	2.91E-01	0.532	0.642	1.185	9.958	6.052
3	10606	0.0980	0.439	0.343	1.14E-01	0.545	0.500	0.462	8.700	3.609
4	14205	0.0852	0.415	0.328	1.58E-01	0.551	0.614	0.322	7.541	2.342
5	17792	0.0775	0.398	0.316	6.48E-02	0.557	0.512	0.284	6.586	1.697
6	21352	0.0721	0.380	0.307	8.68E-02	0.560	0.593	0.263	5.642	1.323
7	24907	0.0686	0.366	0.301	4.15E-02	0.558	0.515			

14 0.259 4.861 1.103
126 8 28478 0.0662 0.356 0.297
5.46E-02 0.559 0.5
88 0.257 4.212 0.982
127 9 32048 0.0640 0.346 0.293
2.72E-02 0.561 0.5
14 0.254 3.652 0.907
128 10 35607 0.0620 0.337 0.289
3.39E-02 0.559 0.5
68 0.252 3.151 0.845
129 11 39134 0.0606 0.331 0.289
1.76E-02 0.557 0.5
14 0.251 2.794 0.829
130 12 42661 0.0595 0.324 0.287
2.18E-02 0.556 0.5
61 0.250 2.416 0.814
131 13 46195 0.0584 0.319 0.285
1.29E-02 0.556 0.5
17 0.249 2.146 0.793
132 14 49864 0.0575 0.316 0.283
1.46E-02 0.554 0.5
53 0.248 1.944 0.780
133 15 53450 0.0568 0.313 0.282
8.56E-03 0.554 0.5
14 0.248 1.751 0.776
134 16 57037 0.0562 0.310 0.281
1.06E-02 0.555 0.5
54 0.248 1.584 0.763
135 17 60521 0.0558 0.307 0.280
6.09E-03 0.556 0.5
17 0.247 1.431 0.760
136 18 64186 0.0552 0.305 0.278
6.85E-03 0.553 0.5
52 0.247 1.318 0.757
137 19 67737 0.0548 0.302 0.278
3.73E-03 0.548 0.5
16 0.247 1.196 0.755
138 20 71236 0.0545 0.301 0.276

4.21E-03 0.548 0.5
45 0.247 1.119 0.752
139 21 74658 0.0542 0.299 0.276
2.74E-03 0.544 0.5
16 0.246 1.068 0.751
140 22 78172 0.0537 0.297 0.275
2.72E-03 0.545 0.5
43 0.246 1.023 0.749
141 23 81657 0.0536 0.296 0.274
2.69E-03 0.542 0.5
13 0.246 0.983 0.747
142 24 85115 0.0532 0.294 0.275
3.00E-03 0.540 0.5
47 0.245 0.958 0.747
143 25 88738 0.0529 0.293 0.274
2.06E-03 0.541 0.5
22 0.245 0.928 0.747
144 26 92393 0.0525 0.291 0.275
2.29E-03 0.541 0.5
50 0.244 0.893 0.748
145 27 95905 0.0523 0.291 0.276
1.91E-03 0.541 0.5
27 0.244 0.884 0.750
146 28 99409 0.0521 0.290 0.275
1.61E-03 0.541 0.5
53 0.244 0.868 0.749
147 29 102891 0.0518 0.289 0.275
1.44E-03 0.539 0.5
30 0.244 0.858 0.748
148 30 106393 0.0518 0.289 0.275
1.23E-03 0.537 0.5
53 0.244 0.846 0.748
149 31 109985 0.0515 0.288 0.274
1.16E-03 0.536 0.5
34 0.244 0.838 0.746
150 32 113513 0.0513 0.287 0.274
9.82E-04 0.535 0.5
56 0.243 0.832 0.746

```
151         33        117086     0.0512      0.287      0.274
                9.57E-04                0.535                0.5
     39      0.243      0.820      0.746
152         34        120518     0.0510      0.286      0.274
                5.79E-04                0.536                0.5
     55      0.243      0.809      0.745
153         35        124124     0.0509      0.286      0.274
                4.78E-04                0.536                0.5
     41      0.243      0.806      0.745
154         36        127734     0.0508      0.285      0.274
                3.53E-04                0.537                0.5
     51      0.243      0.803      0.745
155         37        131295     0.0506      0.285      0.274
                4.53E-04                0.536                0.5
     38      0.243      0.800      0.745
156         38        134885     0.0505      0.284      0.273
                3.27E-04                0.537                0.5
     46      0.242      0.793      0.743
157         39        138392     0.0503      0.284      0.273
                4.28E-04                0.537                0.5
     40      0.242      0.786      0.743
158         40        141926     0.0503      0.284      0.272
                2.27E-04                0.538                0.5
     53      0.242      0.781      0.742
159         41        145404     0.0501      0.283      0.272
                2.27E-04                0.536                0.5
     40      0.242      0.777      0.740
160         42        148938     0.0500      0.282      0.271
                2.01E-04                0.534                0.5
     51      0.242      0.773      0.739
161         43        152463     0.0499      0.282      0.271
                2.27E-04                0.533                0.5
     42      0.242      0.772      0.739
162         44        155931     0.0499      0.282      0.271
                2.01E-04                0.533                0.5
     50      0.242      0.771      0.739
163         45        159430     0.0498      0.282      0.271
                2.01E-04                0.534                0.5
```

```
     40      0.242      0.770      0.739
164         46        163006     0.0497      0.281      0.271
                1.01E-04                 0.534                 0.5
     44      0.242      0.769      0.739
165         47        166598     0.0496      0.281      0.271
                0.00E+00                 0.533                 0.5
     36      0.242      0.768      0.738
166         48        170184     0.0496      0.280      0.271
                1.01E-04                 0.535                 0.5
     43      0.242      0.767      0.739
167         49        173568     0.0495      0.280      0.271
                1.01E-04                 0.534                 0.5
     37      0.242      0.764      0.738
168         50        177156     0.0495      0.280      0.271
                2.01E-04                 0.533                 0.5
     44      0.242      0.763      0.739
169         51        180672     0.0494      0.279      0.271
                1.26E-04                 0.530                 0.5
     41      0.241      0.761      0.738
170         52        184219     0.0493      0.279      0.271
                2.27E-04                 0.531                 0.5
     48      0.241      0.760      0.738
171         53        187762     0.0492      0.279      0.271
                2.52E-05                 0.532                 0.5
     39      0.241      0.759      0.738
172         54        191383     0.0492      0.279      0.271
                2.52E-05                 0.531                 0.5
     48      0.241      0.759      0.739
173         55        194863     0.0491      0.279      0.271
                2.52E-05                 0.533                 0.5
     43      0.241      0.758      0.739
174         56        198390     0.0491      0.279      0.271
                2.52E-05                 0.531                 0.5
     47      0.241      0.758      0.739
175         57        201874     0.0490      0.278      0.271
                0.00E+00                 0.529                 0.5
     43      0.241      0.757      0.739
176         58        205443     0.0489      0.278      0.271
```

0.00E+00 0.529 0.5
52 0.241 0.756 0.738
177 59 208977 0.0488 0.277 0.271
0.00E+00 0.530 0.5
43 0.241 0.755 0.738
178 60 212430 0.0488 0.277 0.271
0.00E+00 0.531 0.5
53 0.241 0.755 0.738
179 61 215931 0.0488 0.277 0.271
0.00E+00 0.532 0.5
45 0.241 0.755 0.738
180 62 219430 0.0488 0.277 0.271
0.00E+00 0.530 0.5
51 0.241 0.755 0.738
181 63 222983 0.0487 0.277 0.271
0.00E+00 0.531 0.5
42 0.241 0.754 0.738
182 64 226576 0.0487 0.277 0.271
0.00E+00 0.529 0.5
47 0.241 0.754 0.738
183 65 230099 0.0486 0.277 0.271
0.00E+00 0.529 0.5
43 0.240 0.753 0.738
184 66 233693 0.0485 0.277 0.271
0.00E+00 0.529 0.5
47 0.240 0.753 0.737
185 67 237245 0.0485 0.277 0.271
0.00E+00 0.530 0.5
41 0.240 0.753 0.737
186 68 240799 0.0485 0.277 0.271
0.00E+00 0.530 0.5
42 0.240 0.753 0.737
187 69 244370 0.0484 0.276 0.271
0.00E+00 0.529 0.5
41 0.240 0.752 0.737
188 70 247978 0.0484 0.276 0.271
0.00E+00 0.528 0.5
45 0.240 0.752 0.737

189 71 251510 0.0484 0.276 0.271
0.00E+00 0.529 0.5
43 0.240 0.751 0.738
190 72 255058 0.0484 0.276 0.271
0.00E+00 0.530 0.5
47 0.240 0.751 0.737
191 73 258512 0.0483 0.276 0.271
0.00E+00 0.528 0.5
43 0.240 0.751 0.737
192 74 262044 0.0483 0.276 0.270
0.00E+00 0.528 0.5
44 0.240 0.750 0.736
193 75 265557 0.0482 0.275 0.270
0.00E+00 0.528 0.5
42 0.240 0.750 0.736
194 76 269158 0.0482 0.275 0.270
0.00E+00 0.525 0.5
44 0.240 0.750 0.736
195 77 272611 0.0483 0.275 0.270
0.00E+00 0.528 0.5
36 0.240 0.750 0.736
196 78 276213 0.0482 0.275 0.270
0.00E+00 0.528 0.5
46 0.240 0.750 0.736
197 79 279728 0.0482 0.275 0.270
0.00E+00 0.528 0.5
42 0.240 0.749 0.736
198 80 283246 0.0481 0.275 0.270
0.00E+00 0.528 0.5
46 0.240 0.749 0.735
199 81 286754 0.0481 0.275 0.270
0.00E+00 0.528 0.5
43 0.240 0.749 0.735
200 82 290276 0.0481 0.275 0.270
0.00E+00 0.529 0.5
43 0.240 0.749 0.735
201 83 293763 0.0481 0.275 0.270
0.00E+00 0.529 0.5

38 0.240 0.749 0.735
202 84 297376 0.0481 0.275 0.270
0.00E+00 0.527 0.5
47 0.240 0.749 0.735
203 85 300949 0.0480 0.275 0.270
0.00E+00 0.527 0.5
42 0.240 0.748 0.736
204 86 304574 0.0480 0.275 0.270
0.00E+00 0.529 0.5
47 0.240 0.748 0.736
205 87 308059 0.0480 0.275 0.270
0.00E+00 0.528 0.5
45 0.240 0.748 0.735
206 88 311644 0.0480 0.275 0.270
0.00E+00 0.527 0.5
47 0.240 0.747 0.735
207 89 315236 0.0479 0.274 0.270
0.00E+00 0.526 0.5
45 0.240 0.747 0.735
208 90 318705 0.0479 0.274 0.270
0.00E+00 0.523 0.5
45 0.240 0.746 0.735
209 91 322232 0.0479 0.274 0.270
0.00E+00 0.523 0.5
44 0.240 0.746 0.735
210 92 325760 0.0478 0.274 0.269
0.00E+00 0.523 0.5
46 0.240 0.746 0.734
211 93 329270 0.0478 0.274 0.269
0.00E+00 0.524 0.5
40 0.240 0.746 0.734
212 94 332856 0.0478 0.274 0.269
0.00E+00 0.525 0.5
40 0.240 0.746 0.734
213 95 336408 0.0477 0.274 0.269
0.00E+00 0.525 0.5
39 0.240 0.745 0.734
214 96 339934 0.0477 0.274 0.269

```
              0.00E+00                 0.527                 0.5
    38      0.240      0.745      0.734
215         97        343431     0.0477      0.274      0.269
              0.00E+00                 0.526                 0.5
    40      0.240      0.745      0.733
216         98        346977     0.0477      0.273      0.269
              0.00E+00                 0.524                 0.5
    37      0.240      0.745      0.733
217         99        350508     0.0477      0.273      0.269
              0.00E+00                 0.525                 0.5
    42      0.240      0.744      0.733
218        100        354090     0.0477      0.273      0.269
              0.00E+00                 0.526                 0.5
    38      0.240      0.744      0.733
219
220
221                                      Loss Reduction Variab
    le Importance
222
223                                  Number                     O
    OB       Valid                    OOB       Valid
224 Variable                      of Rules        Gini        Gi
    ni        Gini      Margin      Margin      Margin
225
226 Fav_Payment_Method              4039    0.002676    -0.004
    38    -0.00477    0.005351    -0.00245    -0.00282
227 Gender                          5083    0.002964    -0.005
    77    -0.00554    0.005928    -0.00380    -0.00347
228 Fav_Category                    7216    0.005007    -0.008
    17    -0.00836    0.010014    -0.00501    -0.00564
229 Return_Rate                    52971    0.038374    -0.090
    71    -0.09141    0.076748    -0.05021    -0.05103
230 Age                            53043    0.044937    -0.102
    32    -0.10307    0.089873    -0.05788    -0.05860
231 Avg_Txn_Value                  66962    0.063316    -0.140
    32    -0.14112    0.126633    -0.07691    -0.07768
232 CLTV                           73450    0.069281    -0.153
    80    -0.15383    0.138562    -0.08371    -0.08311
```

```
Days_Since_Last_Purchase        91226    0.080654    -0.178
91    -0.17450    0.161309    -0.09691    -0.09277


The ASTORE Procedure

                Store Key

C785286FE8CEEE8B4C21B47BDD5162035A92F77A


           Basic Information

Analytic Engine    hpforest
Time Created       07Jan2024:08:30:02


                                          Input Variables


                              Format
Name                                  Length    Role     Type
               RawType      Name

Age                                        8    Input    Inter
val            Num
Avg_Txn_Value                              8    Input    Inter
val            Num
CLTV                                       8    Input    Inter
val            Num
Days_Since_Last_Purchase                   8    Input    Inter
val            Num
Return_Rate                                8    Input    Inter
val            Num
Fav_Category                              11    Input    Class
```

```
    ification    Character
263 Fav_Payment_Method                    11    Input    Class
    ification    Character
264 Gender                                 6    Input    Class
    ification    Character
265
266
267                     Output Variables
268
269 Name              Length    Type         Label
270
271 P_Churn1              8    Num          Predicted: Churn=
    1
272 P_Churn0              8    Num          Predicted: Churn=
    0
273 I_Churn              32    Character    Into: Churn
274 _WARN_                4    Character    Warnings
275
276
277 *------------------------------------------------------------
    ---*
278 * Score Output
279 *------------------------------------------------------------
    ---*
280
281
282
283 The HP4SCORE Procedure
284
285       Performance Information
286
287 Execution Mode       Single-Machine
288 Number of Threads    1
289
290
291              Data Access Information
292
293 Data                Engine    Role      Path
```

```
294
295 WORK._SCORETRAIN    V9        Input     On Client
296 WORK._OUTTEMP       V9        Output    On Client
297
298
299           Number of Observations
300
301 Type                                      N
302
303 Number of Observations Read           15885
304 Number of Observations Used           15885
305 Sum of Frequencies Used               15885
306
307
308
309 The HP4SCORE Procedure
310
311       Performance Information
312
313 Execution Mode       Single-Machine
314 Number of Threads    1
315
316
317                 Data Access Information
318
319 Data                         Engine    Role      Path
320
321 EMWS1.HPDMFOREST2_TRAIN    V9        Input     On Client
322 WORK._OUTTEMP              V9        Output    On Client
323
324
325           Number of Observations
326
327 Type                                      N
328
329 Number of Observations Read           15885
330 Number of Observations Used           15885
331 Sum of Frequencies Used               15885
```

```
332
333
334
335 The HP4SCORE Procedure
336
337       Performance Information
338
339 Execution Mode       Single-Machine
340 Number of Threads    1
341
342
343                   Data Access Information
344
345 Data                            Engine    Role      Path
346
347 EMWS1.HPDMFOREST2_VALIDATE    V9        Input     On Clien
    t
348 WORK._OUTTEMP                 V9        Output    On Clien
    t
349
350
351           Number of Observations
352
353 Type                                      N
354
355 Number of Observations Read            3973
356 Number of Observations Used            3973
357 Sum of Frequencies Used               3973
358
359
360 *------------------------------------------------------------
    ---*
361 * Report Output
362 *------------------------------------------------------------
    ---*
363
364
365
```

Fit Statistics

Target=Churn Target Label=' '

Fit Statistics	Statistics Label	Train	Validation
ASE	Average Squared Error	0.05	0.27
DIV	Divisor for ASE	79453.60	19868.40
MAX	Maximum Absolute Error	0.43	0.88
NOBS	Sum of Frequencies	39726.80	9934.20
RASE	Root Average Squared Error	0.22	0.52
SSE	Sum of Squared Errors	3787.35	5343.02
DISF	Frequency of Classified Cases	39726.80	9934.20
MISC	Misclassification Rate	0.00	0.54
WRONG	Number of Wrong Classifications	0.00	5342.78

Classification Table

Data Role=TRAIN Target Variable=Churn Target Label=' '

Target	Outcome	Target Percentage	Outcome Percentage	Frequency Count	Total

```
        Percentage
393
394    0           0            100            100         31784.80
           80.0085
395    1           1            100            100          7942.00
           19.9915
396
397
398  Data Role=VALIDATE Target Variable=Churn Target Label=' '
399
400                           Target         Outcome      Frequency
            Total
401  Target    Outcome    Percentage    Percentage       Count
        Percentage
402
403    0           0         79.3395       44.3102      3521.42
           35.4474
404    1           0         20.6605       46.1500       917.00
            9.2307
405    0           1         80.5305       55.6898      4425.78
           44.5510
406    1           1         19.4695       53.8500      1070.00
           10.7709
407
408
409
410
411  Event Classification Table
412
413  Data Role=TRAIN Target=Churn Target Label=' '
414
415    False       True         False       True
416  Negative    Negative    Positive    Positive
417
418      .       31784.80         .         7942
419
420
421  Data Role=VALIDATE Target=Churn Target Label=' '
```

False Negative	True Negative	False Positive	True Positive
917	3521.42	4425.78	1070

Assessment Score Rankings

Data Role=TRAIN Target Variable=Churn Target Label=' '

Depth	Gain	Lift	Mean Posterior Probability	Cumulative Lift	% Response	Cumulative % Response	Number of Observations
5	400.212	5.00212	0.85706	5.00212	100.000	100.000	1987.00
10	400.212	5.00212	0.80595	5.00212	100.000	100.000	1986.00
15	400.212	5.00212	0.76804	5.00212	100.000	100.000	1987.00
20	399.960	4.99204	0.70946	4.99960	99.799	99.950	1986.00
25	299.996	0.00000	0.32456	3.99996	0.000	79.965	1985.80
30	233.318	0.00000	0.28664	3.33318	0.000	66.635	1986.80
35	185.714	0.00000	0.26706	2.85714	0.000	57.119	1985.80
40	149.992	0.00000	0.25278	2.49992	0.000	49.977	1986.80
45	122.211	0.00000	0.24106	2.22211	0.000	44.423	1986.80

```
448    50      99.996    0.00000      1.99996        0.000
       39.982        1985.80        0.23091
449    55      81.811    0.00000      1.81811        0.000
       36.347        1986.80        0.22103
450    60      66.664    0.00000      1.66664        0.000
       33.319        1985.80        0.21186
451    65      53.841    0.00000      1.53841        0.000
       30.755        1986.80        0.20335
452    70      42.856    0.00000      1.42856        0.000
       28.559        1985.80        0.19468
453    75      33.330    0.00000      1.33330        0.000
       26.655        1986.80        0.18602
454    80      24.999    0.00000      1.24999        0.000
       24.989        1985.80        0.17626
455    85      17.645    0.00000      1.17645        0.000
       23.519        1986.80        0.16541
456    90      11.111    0.00000      1.11111        0.000
       22.213        1985.80        0.15357
457    95       5.262    0.00000      1.05262        0.000
       21.043        1986.80        0.13797
458   100       0.000    0.00000      1.00000        0.000
       19.992        1985.80        0.10792
459
460
461  Data Role=VALIDATE Target Variable=Churn Target Label=' '
462
463
                                        Mean
464                                  Cumulative        %       C
     umulative      Number of      Posterior
465  Depth      Gain       Lift        Lift       Response    %
      Response    Observations    Probability
466
467     5     13.6376    1.13638      1.13638      22.7293
      22.7293        497.155        0.72515
468    10     13.1346    1.12632      1.13135      22.5281
      22.6287        497.156        0.66303
469    15      9.0172    1.00766      1.09017      20.1548
```

```
      21.8052         496.160         0.63417
470    20       4.8902     0.92518       1.04890       18.5050
      20.9797         497.163         0.61236
471    25       3.6637     0.98751       1.03664       19.7517
      20.7344         496.160         0.59266
472    30       1.3016     0.89500       1.01302       17.9015
      20.2619         497.164         0.57537
473    35       1.0756     0.84642       0.98924       16.9298
      19.7865         496.166         0.56111
474    40       2.3803     0.88495       0.97620       17.7003
      19.5255         497.166         0.54744
475    45       3.3733     0.88673       0.96627       17.7361
      19.3269         496.164         0.53407
476    50       2.7780     1.02575       0.97222       20.5166
      19.4460         497.158         0.51981
477    55       3.1145     0.93523       0.96885       18.7061
      19.3787         497.163         0.50756
478    60       3.2948     0.94719       0.96705       18.9454
      19.3426         496.163         0.49520
479    65       3.1527     0.98552       0.96847       19.7119
      19.3710         497.161         0.48216
480    70       2.8012     1.01774       0.97199       20.3564
      19.4413         496.158         0.46730
481    75       1.7044     1.13638       0.98296       22.7293
      19.6607         497.155         0.44975
482    80       0.2290     1.21929       0.99771       24.3877
      19.9558         496.151         0.43220
483    85       0.1824     1.00563       0.99818       20.1143
      19.9651         497.160         0.41078
484    90       0.1857     0.99758       0.99814       19.9532
      19.9645         496.161         0.38614
485    95       0.0933     1.01569       0.99907       20.3154
      19.9830         497.160         0.35253
486   100       0.0000     1.01774       1.00000       20.3564
      20.0016         496.158         0.29190
487
488
489
```

Assessment Score Distribution

Data Role=TRAIN Target Variable=Churn Target Label=' '

Posterior Probability Range	Number of Events	Number of Nonevents	Mean Posterior Probability	Percentage
0.95-1.00	2	0.00	0.96111	0.0050
0.90-0.95	138	0.00	0.91519	0.3474
0.85-0.90	900	0.00	0.86952	2.2655
0.80-0.85	2236	0.00	0.82274	5.6284
0.75-0.80	2533	0.00	0.77627	6.3760
0.70-0.75	1541	0.00	0.72867	3.8790
0.65-0.70	492	0.00	0.68030	1.2385
0.60-0.65	87	0.00	0.63295	0.2190
0.55-0.60	13	0.00	0.58573	0.0327
0.40-0.45	0	12.00	0.41419	0.0302
0.35-0.40	0	252.10	0.36457	0.6346
0.30-0.35	0	1636.66	0.31933	4.1198
0.25-0.30	0	5478.21	0.27146	13.7897
0.20-0.25	0	10324.16	0.22350	25.9879

513	0.15-0.20	0	9723.92	0.17669	24.4770
514	0.10-0.15	0	3829.54	0.13082	9.6397
515	0.05-0.10	0	516.21	0.08570	1.2994
516	0.00-0.05	0	12.00	0.03179	0.0302

517

518

519 Data Role=VALIDATE Target Variable=Churn Target Label=' '

520

521 Posterior	Number		Mean	
522 Probability	of	Number of	Posterior	
523 Range	Events	Nonevents	Probability	Percentage

524

525	0.85-0.90	0	8.00	0.87586	0.0806
526	0.80-0.85	4	12.00	0.81610	0.1611
527	0.75-0.80	19	72.03	0.77161	0.9163
528	0.70-0.75	51	180.07	0.71903	2.3260
529	0.65-0.70	135	460.19	0.67088	5.9913
530	0.60-0.65	225	880.35	0.62328	11.1268
531	0.55-0.60	283	1292.52	0.57325	15.8596
532	0.50-0.55	351	1516.61	0.52490	18.7998
533	0.45-0.50	347	1344.54	0.47762	17.0275
534	0.40-0.45	267	972.39	0.42722	12.4760
535	0.35-0.40	158	672.27	0.37679	8.

	3577				
536	0.30-0.35	95	348.14	0.32487	4.
	4608				
537	0.25-0.30	43	152.06	0.27854	1.
	9635				
538	0.20-0.25	7	32.01	0.23294	0.
	3927				
539	0.15-0.20	2	4.00	0.17634	0.
	0604				