1	*							
	_*							
2	User:		u63452984					
3	Date:		07 January 2024					
4	Time:		05:59:00					
5	*							
	_*							
6	* Training	g Output						
7	*							
	_*							
8								
9								
10								
11								
	Variable S	Gummary						
13								
14			Frequency					
	Role	Level	Count					
16								
	ID		1					
18	INPUT		3					
19	INPUT		3					
20	TARGET	BINARY	1					
21								
22								
23								
24	M 1 1 1							
25	Model Ever	lts						
26				NT mala a sa				
27			Maaaaaaaa	Number				
28	Ma. 2000	Erront	Measurement	of	Oradora			
29	Target Label	Event	Level	Levels	Order			
30	тареј	_						
31	IMP_Churn	1	BINARY	2	Descending			
JΤ	Imputed (		DINVI	۷	Descending			
	Turbacea (	,11U L 11						

```
32
33
34
35
36 Predicted and decision variables
37
38 Type
                  Variable
                                 Label
39
40 TARGET IMP_Churn
                                 Imputed Churn
41 PREDICTED P_IMP_Churn1 Predicted: IMP_Churn=1
42 RESIDUAL R_IMP_Churn1 Residual: IMP_Churn=1
43 PREDICTED P IMP Churn0
                                Predicted: IMP Churn=0
              R_IMP_Churn0 Residual: IMP_Churn=0
44 RESIDUAL
45 FROM
               F IMP Churn
                                From: IMP Churn
             {	t I\_IMP} Churn
46 INTO
                                 Into: IMP Churn
47
48
   _*
50 * Score Output
52
53
   _*
55 * Report Output
57
58
59
60 Variable Importance
61
62
```

63					ber of	
<i>C</i> 4				Validat		
64			T7 7 1 1 1 1		itting	
6.5	' 1 1 1		Validation	to Train		_
65	Variable	Name	Label		ules	Im
	portance		Importance	Importa	nce	
66						
67	TotalPurc	hases			1	
	1.0000		1.0000	1.0	000	
68	IMP_Total	Spent			1	
	0.4058		0.0000	0.0	000	
69						
70						
71						
72	Tree Leaf	Report				
73						
74				Training		
75	Node		Training	Percent	Validation	<u>l</u>
	Validati	on				
76	Id D	epth	Observations	1	Observation	ıs
	Percent	1				
77						
78	2	1	17074	0.22	7338	
	0.22					
79	6	2	289	0.40	111	
	0.50					
80	7	2	134	0.62	53	
	0.53					
81						
82						
83						
84						
85	Fit Stati	stics				
86						
87	Target=IM	IP Churn	Target Label=Ir	mputed Churn		
88	-	_	-	-		

89	Fit					
90	Statistics	Stati	stics Label		Trai	n Vali
	dation					
91						
92	_NOBS_	Sum o	f Frequencies		17497.0	0 75
	02.00					
93	_MISC_	Miscl	assification I	Rate	0.2	2
	0.22					
94	_MAX_	Maxim	um Absolute E	rror	0.7	8
	0.78					
95	_SSE_	Sum o	f Squared Erro	ors	6012.0	3 25
	80.64					
96	_ASE_	Avera	ge Squared Er	ror	0.1	7
	0.17					
97	_RASE_	Root .	Average Square	ed Error	0.4	1
	0.41					
98	_DIV_	Divis	or for ASE		34994.0	0 150
	04.00					
99	_DFT_	Total	Degrees of F	reedom	17497.0	0
	•					
100						
101						
102						
103						
	Classificat	ion Tabl	е			
105						
106		RAIN Tar	get Variable=1	IMP_Churn '	Target La	bel=Imput
	ed Churn					
107						
108	_		Target	Outco	me Fr	equency
	Total					_
109	Target 0		Percentage	Percent	age	Count
	Percentag	е				
110	_	_				
111	0	0	77.9531	99.62	46	13535
	77.3561					

112	1	0	22.0469	97.8778	3828
113	21.8780	1	38.0597	0.3754	51
	0.2915				
114	1	1	61.9403	2.1222	83
	0.4744				
115					
116					
117	Data Role=V	ALIDATE T	arget Variable	e=IMP_Churn Ta	rget Label=Im
	puted Churn	l			
118					
119			Target	Outcome	Frequency
	Total				
120	Target O	utcome	Percentage	Percentage	Count
	Percentag	re			
121					
122	0	0	77.8494	99.5707	5799
	77.2994				
123	1	0	22.1506	98.3313	1650
	21.9941				
124	0	1	47.1698	0.4293	25
	0.3332				
125	1	1	52.8302	1.6687	28
	0.3732				
126					
127					
128					
129					
	Event Class	ification	Table		
131			1		. 1 ~1
<ul><li>132</li><li>133</li></ul>	Data Role=T	KAIN Targ	et=IMP_Churn T	Carget Label=In	mputed Churn
134	False	True	False	True	
135			Positive		
136		_			
137	3828	13535	51	83	

138							
139							
140	Data Rol	e=VALIDATE '	Target=I	MP_Churn	Target	Label=Impute	ed Chu
	rn						
141							
142	False	True	Fa	alse	True		
143	Negative	Negativ	e Posi	itive	Positi	ve	
144							
145	1650	5799	4	25	28		
146							
147							
148							
149							
150	Assessme	nt Score Ra	nkings				
151							
152	Data Rol	e=TRAIN Tar	get Varia	able=IMP_	_Churn '	Target Label	=Imput
	ed Churn						
153							
154							
154				Mean			
154 155					lative	%	Cum
	ulative	Number	of	Cumu		%	Cum
155		Number Gain		Cumu	or	% Response	
155		Gain	Lift	Cumu	or ift		
155	Depth	Gain	Lift	Cumu. Posterio	or ift		
155 156 157	Depth esponse	Gain Observat	Lift ions 1	Cumu: Posterio L: Probabil:	or ift ity		% R
155 156 157	Depth esponse	Gain Observat	Lift ions 1	Cumu: Posterio L: Probabil:	or ift ity 51990	Response	% R
155 156 157 158	Depth esponse 5 3.9735	Gain Observat 51.9902 875	Lift ions 1	Cumul Posterio Li Probabil 1.9 0.3397	or ift ity 51990	Response	% R
155 156 157 158	Depth esponse  5 3.9735 10	Gain Observat 51.9902 875	Lift ions 1.51990 0.97263	Cumui Posterio Li Probabili 1.1 0.33971	or ift ity 51990 3 24627	Response	% R
155 156 157 158	Depth esponse  5 3.9735 10	Gain Observat  51.9902 875 24.6267 875	Lift ions  1.51990  0.97263	Cumui Posterio Li Probabili 1.3 0.33973 1.2	or ift ity 51990 3 24627	Response	% R 3
155 156 157 158	Depth esponse 5 3.9735 10 7.8571 15	Gain Observat  51.9902 875 24.6267 875 15.5055	Lift ions  1.51990  0.97263  0.97263	Cumul Posterio Li Probabil: 0.3397: 1.2 0.2174:	or ift ity 51990 3 24627 1	Response 33.9735 21.7407	% R 3
155 156 157 158 159	Depth esponse 5 3.9735 10 7.8571 15	Gain Observat  51.9902 875 24.6267 875 15.5055 875	Lift ions 1.51990 0.97263 0.97263	Cumul Posterio Li Probabil 1.3 0.33973 1.3 0.21743	or ift ity 51990 3 24627 1 15506	Response 33.9735 21.7407	% R 3 2
155 156 157 158 159 160	Depth esponse  5 3.9735 10 7.8571 15 5.8183 20	Gain Observat  51.9902 875 24.6267 875 15.5055 875	Lift ions  1.51990  0.97263  0.97263	Cumui Posterio Li Probabili 0.3397 1.3 0.2174 1.3	or ift ity 51990 3 24627 1 15506 1	Response 33.9735 21.7407	% R 3 2
155 156 157 158 159 160	Depth esponse 5 3.9735 10 7.8571 15 5.8183 20 4.7989	Gain Observat  51.9902 875 24.6267 875 15.5055 875 10.9449 875	Lift ions  1.51990  0.97263  0.97263	Cumui Posterio Li Probabili 0.33973 1.2 0.21744 1.3 0.21744	or ift ity 51990 3 24627 1 15506 1	Response 33.9735 21.7407	% R 3 2 2
155 156 157 158 159 160 161	Depth esponse  5 3.9735 10 7.8571 15 5.8183 20 4.7989 25	Gain Observat  51.9902 875 24.6267 875 15.5055 875 10.9449 875	Lift ions  1.51990  0.97263  0.97263  0.97263	Cumul Posterio Li Probabil: 0.3397: 1.2 0.2174: 1.2 0.2174: 1.2	or ift ity 51990 3 24627 1 15506 1 10945 1	Response  33.9735  21.7407  21.7407	% R 3 2 2

	3.7795	875		0.21	741		
164	35	5.0826	0.97263		1.05083	21.740	)7 2
	3.4885	874		0.21	741		
165	40	4.1050	0.97263		1.04105	21.740	)7 2
	3.2700	875		0.21	741		
166	45	3.3447	0.97263		1.03345	21.740	)7 2
	3.1000	875		0.21	741		
167	50	2.7365	0.97263		1.02737	21.740	)7 2
	2.9641	875		0.21	741		
168	55	2.2389	0.97263		1.02239	21.740	)7 2
	2.8528	875		0.21	741		
169	60	1.8242	0.97263		1.01824	21.740	)7 2
	2.7602	875		0.21	741		
170	65	1.4733	0.97263		1.01473	21.740	)7 2
	2.6817	875		0.21	741		
171	70	1.1729	0.97263		1.01173	21.740	)7 2
	2.6146	874		0.21	741		
172	75	0.9122	0.97263		1.00912	21.740	)7 2
	2.5563	875		0.21	741		
173	80	0.6841	0.97263		1.00684	21.740	)7 2
	2.5053	875		0.21	741		
174	85	0.4828	0.97263		1.00483	21.740	)7 2
	2.4603	875		0.21	741		
175	90	0.3040	0.97263		1.00304	21.740	)7 2
	2.4203	875		0.21	741		
176	95	0.1439	0.97263		1.00144	21.740	)7 2
	2.3846	875		0.21	741		
177	100	0.0000	0.97263		1.00000	21.740	)7 2
	2.3524	874		0.21	741		
178							
179							
180	Data Role	=VALIDATE '	Target Va	riabl	e=IMP_Churn	Target	Label=Im
	puted Chu	rn					
181							

182

183				Cumulative	00	Cum
	ulative	Number	of	Posterior		
184	Depth	Gain	Lift	Lift	Response	% R
	esponse	Observat	ions	Probability		
185						
186	5	54.6371	1.54637	1.54637	34.5882	3
	4.5882	376		0.32838		
187	10	25.9154	0.97117	1.25915	21.7225	2
	8.1640	375		0.21741		
188	15	16.3245	0.97117	1.16324	21.7225	2
	6.0187	375		0.21741		
189	20	11.5258	0.97117	1.11526	21.7225	2
	4.9454	375		0.21741		
190	25	8.6456	0.97117	1.08646	21.7225	2
	4.3012	375		0.21741		
191	30	6.7251	0.97117	1.06725	21.7225	2
	3.8716	375		0.21741		
192	35	5.3530	0.97117	1.05353	21.7225	2
	3.5647	375		0.21741		
193	40	4.3239	0.97117	1.04324	21.7225	2
	3.3345	375		0.21741		
194	45	3.5234	0.97117	1.03523	21.7225	2
	3.1554	375		0.21741		
195	50	2.8829	0.97117	1.02883	21.7225	2
	3.0122	375		0.21741		
196	55	2.3576	0.97117	1.02358	21.7225	2
	2.8947	376		0.21741		
197	60	1.9211	0.97117	1.01921	21.7225	2
	2.7971	375		0.21741		
198	65	1.5517	0.97117	1.01552	21.7225	2
	2.7144	375		0.21741		
199	70	1.2351	0.97117	1.01235	21.7225	2
	2.6436	375		0.21741		
200	75	0.9606	0.97117	1.00961	21.7225	2
	2.5822	375		0.21741		
201	80	0.7205	0.97117	1.00720	21.7225	2

	2.5285	375		0.21741			
202	85	0.5086	0.97117	1.00	0509	21.7225	2
	2.4811	375		0.21741			
203	90	0.3202	0.97117	1.00	0320	21.7225	2
	2.4390	375		0.21741			
204	95	0.1517	0.97117	1.00	0152	21.7225	2
	2.4013	375		0.21741			
205	100	0.0000	0.97117	1.00	0000	21.7225	2
	2.3674	375		0.21741			
206							
207							
208							
209							
210	Assessmen	t Score Di	stributio	on			
211							
212	Data Role	=TRAIN Tar	get Varia	able=IMP_0	Churn Tar	get Label	=Imput
	ed Churn						
213							
		r Numb			Mean		
	Posterio Probabili			mber of			
215		ty of	Nur		Poster	ior	ercent
215 216	Probabili Range age	ty of	Nur		Poster	ior	Percent
<ul><li>215</li><li>216</li><li>217</li></ul>	Probabili Range age	ty of Even	Nur ts Nor	nevents	Poster. Probabi	ior lity F	
<ul><li>215</li><li>216</li><li>217</li></ul>	Probabili Range age 0.60-0.6	ty of Even	Nur ts Nor	nevents	Poster	ior lity F	Percent
<ul><li>215</li><li>216</li><li>217</li><li>218</li></ul>	Probabili Range age 0.60-0.6	ty of Even 5 8	Nur ts Nor	nevents	Poster Probabi	ior lity F 40	0.76
<ul><li>215</li><li>216</li><li>217</li><li>218</li></ul>	Probabili Range age 0.60-0.6 58 0.40-0.4	ty of Even 5 8	Nur ts Nor	nevents	Poster. Probabi	ior lity F 40	
<ul><li>215</li><li>216</li><li>217</li><li>218</li><li>219</li></ul>	Probabili Range age 0.60-0.6 58 0.40-0.4	ty of Even 5 8 5 11	Nur ts Nor 3	51 173	Poster Probabi	ior lity F 40 38	0.76
<ul><li>215</li><li>216</li><li>217</li><li>218</li><li>219</li></ul>	Probabili Range age 0.60-0.6 58 0.40-0.4 17 0.20-0.2	ty of Even 5 8 5 11	Nur ts Nor 3	nevents	Poster Probabi	ior lity F 40 38	0.76
<ul><li>215</li><li>216</li><li>217</li><li>218</li><li>219</li><li>220</li></ul>	Probabili Range age 0.60-0.6 58 0.40-0.4	ty of Even 5 8 5 11	Nur ts Nor 3	51 173	Poster Probabi	ior lity F 40 38	0.76
215 216 217 218 219 220	Probabili Range age 0.60-0.6 58 0.40-0.4 17 0.20-0.2	ty of Even 5 8 5 11	Nur ts Nor 3	51 173	Poster Probabi	ior lity F 40 38	0.76
215 216 217 218 219 220 221 222	Probabili Range age 0.60-0.6 58 0.40-0.4 17 0.20-0.2	ty of Even 5 8 5 11 5 371	Nurts Nor	51 173 13362	Poster: Probabi:  0.619  0.401:  0.217	ior lity F 40 38 41	0.76 1.65 97.58
215 216 217 218 219 220	Probabili     Range age      0.60-0.6 58     0.40-0.4 17     0.20-0.2 24  Data Role	ty of	Nurts Nor	51 173 13362	Poster: Probabi:  0.619  0.401:  0.217	ior lity F 40 38 41	0.76 1.65 97.58
<ul><li>215</li><li>216</li><li>217</li><li>218</li><li>219</li><li>220</li><li>221</li><li>222</li><li>223</li></ul>	Probabili Range age 0.60-0.6 58 0.40-0.4 17 0.20-0.2	ty of	Nurts Nor	51 173 13362	Poster: Probabi:  0.619  0.401:  0.217	ior lity F 40 38 41	0.76 1.65 97.58
<ul> <li>215</li> <li>216</li> <li>217</li> <li>218</li> <li>219</li> <li>220</li> <li>221</li> <li>222</li> <li>223</li> <li>224</li> </ul>	Probabili Range age  0.60-0.6 58 0.40-0.4 17 0.20-0.2 24  Data Role puted Chu	ty of Even  5 8  5 11  5 371  =VALIDATE rn	Nurts Nor  3  6  2	51 173 13362	Poster Probabi 0.619 0.401 0.217	ior lity F 40 38 41 Target La	0.76 1.65 97.58
215 216 217 218 219 220 221 222 223 224 225	Probabili Range age  0.60-0.6 58 0.40-0.4 17 0.20-0.2 24  Data Role puted Chu	ty of Even  5 8  5 11  5 371  =VALIDATE rn  r Numb	Nurts Norts	51 173 13362	Poster Probabi 0.619 0.401 0.217	ior lity F 40 38 41 Target La	0.76 1.65 97.58

227	Range	Events	Nonevents	Probability	Percent
	age				
228					
229	0.60-0.65	28	25	0.61940	0.70
	65				
230	0.40-0.45	56	55	0.40138	1.47
	96				
231	0.20-0.25	1594	5744	0.21741	97.81
	39				