

Index	RowNumber	CustomerId	Surname	CreditScore	Geography
0	1	15634602	Hargrave	619	France
1	2	15647311	Hill	608	Spain
2	3	15619304	Onio	502	France
3	4	15701354	Boni	699	France
4	5	15737888	Mitchell	850	Spain
5	6	15574012	Chu	645	Spain
6	7	15592531	Bartlett	822	France
7	8	15656148	Obinna	376	Germany
8	9	15792365	He	501	France
9	10	15592389	H?	684	France
10	11	15767821	Bearce	528	France
11	12	15737173	Andrews	497	Spain
12	13	15632264	Kay	476	France
13	14	15691483	Chin	549	France

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Index	RowNumber	CustomerId	Surname	CreditScore	Geography	Gender	Age	Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember	EstimatedSalary
0	1	15634602	Hargrave	619	France	Female	42	2	0	1	1	1	101356
1	2	15647311	Hill	608	Spain	Female	41	1	83807.9	1	0	1	113622
2	3	15619304	Onio	502	France	Female	42	8	159661	3	1	0	113622
3	4	15701354	Boni	699	France	Female	39	1	0	2	0	0	93604
4	5	15737888	Mitchell	850	Spain	Female	43	2	125511	1	1	1	79644
5	6	15574012	Chu	645	Spain	Male	44	8	113756	2	1	0	145606
6	7	15592531	Bartlett	822	France	Male	50	7	0	2	1	1	106662
7	8	15656148	Obinna	376	Germany	Female	29	4	115047	4	1	0	115624
8	9	15792365	He	501	France	Male	44	4	142051	2	0	1	74604
9	10	15592389	H?	684	France	Male	27	2	134604	1	1	1	71734
10	11	15767821	Bearce	528	France	Male	31	6	102017	2	0	0	80136
11	12	15737173	Andrews	497	Spain	Male	24	3	0	2	1	0	76184
12	13	15632264	Kay	476	France	Female	34	10	0	2	1	0	26156
13	14	15691483	Chin	549	France	Female	25	5	0	2	0	0	19604
14	15	15608882	Scott	635	Spain	Female	35	7	0	2	1	1	65534
15	16	15643966	Goforth	616	Germany	Male	45	3	143129	2	0	1	64134
16	17	15737452	Romeo	653	Germany	Male	58	1	132603	1	1	0	50814
17	18	15788218	Henderson	549	Spain	Female	24	9	0	2	1	1	14414
18	19	15661507	Muldrow	587	Spain	Male	45	6	0	1	0	0	15814
19	20	15568982	Hao	726	France	Female	24	6	0	2	1	1	54714

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X - DataFrame

Index	CreditScore	Geography	Gender	Age	Tenure	Balance	NumOfProducts	HasCrCard	IsActiveMember	EstimatedSalary
0	619	France	Female	42	2	0	1	1	1	101349
1	608	Spain	Female	41	1	83807.9	1	0	1	112543
2	502	France	Female	42	8	159661	3	1	0	113932
3	699	France	Female	39	1	0	2	0	0	93826.6
4	850	Spain	Female	43	2	125511	1	1	1	79004.1
5	645	Spain	Male	44	8	113756	2	1	0	149757
6	822	France	Male	50	7	0	2	1	1	10062.8
7	376	Germany	Female	29	4	115047	4	1	0	119347
8	501	France	Male	44	4	142051	2	0	1	74940.5
9	684	France	Male	27	2	134604	1	1	1	71725.7
10	528	France	Male	31	6	102017	2	0	0	80101.1
11	497	Spain	Male	24	3	0	2	1	0	76390
12	476	France	Female	34	10	0	2	1	0	26261
13	549	France	Female	25	5	0	2	0	0	190058
14	635	Spain	Female	35	7	0	2	1	1	65951.6
15	616	Germany	Male	45	3	143129	2	0	1	64327.3
16	653	Germany	Male	58	1	132603	1	1	0	5097.67
17	549	Spain	Female	24	9	0	2	1	1	14406.4
18	587	Spain	Male	45	6	0	1	0	0	158685
19	726	France	Female	24	6	0	2	1	1	54724
20	732	France	Male	41	8	0	2	1	1	170886

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states - DataFrame

Index	Germany	Spain
0	0	0
1	0	1
2	0	0
3	0	0
4	0	1
5	0	1
6	0	0
7	1	0
8	0	0
9	0	0
10	0	0
11	0	1
12	0	0
13	0	0

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gender - DataFrame

Index	Male
0	0
1	0
2	0
3	0
4	0
5	1
6	1
7	0
8	1
9	1
10	1
11	1
12	0
13	0

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X - DataFrame					
Index	CreditScore	Age	Tenure	Balance	NumOfP1
0	619	42	2	0	1
1	608	41	1	83807.9	1
2	502	42	8	159661	3
3	699	39	1	0	2
4	850	43	2	125511	1
5	645	44	8	113756	2
6	822	50	7	0	2
7	376	29	4	115047	4
8	501	44	4	142051	2
9	684	27	2	134604	1
10	528	31	6	102017	2
11	497	24	3	0	2
12	476	34	10	0	2
13	549	25	5	0	2

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Index	IsActiveMember	EstimatedSalary	Germany	Spain	M
7389	0	163831	0	1	0
9275	1	57098	1	0	1
2995	0	185631	0	0	0
5316	0	173617	0	1	1
356	1	132298	0	1	0
49	0	194099	1	0	0
7931	0	127875	0	0	1
1523	1	161954	0	1	1
7552	1	39789.6	0	1	1
496	0	101058	0	0	0
5110	1	32770.6	0	0	0
1957	1	167024	0	0	1
229	0	61048.5	1	0	0
1738	0	18510.4	0	1	1

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Name	Type	Size	Value
X	DataFrame	(10000, 11)	Column names: Credit...
X_test	float64	(2000, 11)	[[-0.55204276 -0.368... - ...
X_train	float64	(8000, 11)	[[0.16958176 -0.464... - ...
dataset	DataFrame	(10000, 14)	Column names: RowNum...
gender	DataFrame	(10000, 1)	Column names: Male
states	DataFrame	(10000, 2)	Column names: Germany, Spain
y	Series	(10000,)	Series object of pan...
y_test	Series	(2000,)	Series object of pan...
		(8000,)	

Variable explorer File explorer Help

Run:	main	
800/800	1s 820us/step	accuracy: 0.8325 - loss: 0.4022
Epoch 97/100		
800/800	1s 821us/step	accuracy: 0.8341 - loss: 0.4047
Epoch 98/100		
800/800	1s 670us/step	accuracy: 0.8257 - loss: 0.4064
Epoch 99/100		
800/800	1s 978us/step	accuracy: 0.8301 - loss: 0.4061
Epoch 100/100		
800/800	1s 779us/step	accuracy: 0.8332 - loss: 0.4095
63/63	0s 935us/step	

y_pred - NumPy array

	0
0	0.148248
1	0.315527
2	0.127993
3	0.0687793
4	0.0477734
5	0.935824
6	0.0325435
7	0.0681334
8	0.105581
9	0.935029
10	0.0123754
11	0.265263
12	0.286204

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Name	Type	Size	Value
X	DataFrame	(10000, 11)	Column names: CreditSc...
X_test	float64	(2000, 11)	[[-0.55204276 -0.36890... - ...
X_train	float64	(8000, 11)	[[0.16958176 -0.46460... - ...
accuracy	float64	1	0.85750000000000004
cm	int64	(2, 2)	[[1523 72] [213 192]]
dataset	DataFrame	(10000, 14)	Column names: RowNumbe...
gender	DataFrame	(10000, 1)	Column names: Male
states	DataFrame	(10000, 2)	Column names: Germany, Spain

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