

## Output of project 11

	PatientId	AppointmentID	Gender	ScheduledDay \
0	2.987250e+13	5642903	F	2016-04-29T18:38:08Z
1	5.589978e+14	5642503	M	2016-04-29T16:08:27Z
2	4.262962e+12	5642549	F	2016-04-29T16:19:04Z
3	8.679512e+11	5642828	F	2016-04-29T17:29:31Z
4	8.841186e+12	5642494	F	2016-04-29T16:07:23Z

	AppointmentDay	Age	Neighbourhood	Scholarship	Hipertension \
0	2016-04-29T00:00:00Z	62	JARDIM DA PENHA	0	1
1	2016-04-29T00:00:00Z	56	JARDIM DA PENHA	0	0
2	2016-04-29T00:00:00Z	62	MATA DA PRAIA	0	0
3	2016-04-29T00:00:00Z	8	PONTAL DE CAMBURI	0	0
4	2016-04-29T00:00:00Z	56	JARDIM DA PENHA	0	1

	Diabetes	Alcoholism	Handcap	SMS_received	No-show
0	0	0	0	0	No
1	0	0	0	0	No
2	0	0	0	0	No
3	0	0	0	0	No
4	1	0	0	0	No

<class 'pandas.core.frame.DataFrame'>

Index: 110526 entries, 0 to 110526

Data columns (total 95 columns):

#	Column	Non-Null Count	Dtype
0	Gender	110526 non-null	int64
1	Age	110526 non-null	int64
2	Scholarship	110526 non-null	int64
3	Hipertension	110526 non-null	int64
4	Diabetes	110526 non-null	int64
5	Alcoholism	110526 non-null	int64
6	Handcap	110526 non-null	int64
7	SMS_received	110526 non-null	int64
8	No_show	110526 non-null	int64
9	WaitDays	110526 non-null	int64
10	Neighbourhood_ANDORINHAS	110526 non-null	bool
11	Neighbourhood_ANTÔNIO HONÓRIO	110526 non-null	bool
12	Neighbourhood_ARIOVALDO FAVALESSA	110526 non-null	bool
13	Neighbourhood_BARRO VERMELHO	110526 non-null	bool
14	Neighbourhood_BELA VISTA	110526 non-null	bool
15	Neighbourhood_BENTO FERREIRA	110526 non-null	bool
16	Neighbourhood_BOA VISTA	110526 non-null	bool
17	Neighbourhood_BONFIM	110526 non-null	bool
18	Neighbourhood_CARATOÍRA	110526 non-null	bool
19	Neighbourhood_CENTRO	110526 non-null	bool
20	Neighbourhood_COMDUSA	110526 non-null	bool
21	Neighbourhood_CONQUISTA	110526 non-null	bool

22	Neighbourhood_CONSOLAÇÃO	110526	non-null	bool
23	Neighbourhood_CRUZAMENTO	110526	non-null	bool
24	Neighbourhood_DA PENHA	110526	non-null	bool
25	Neighbourhood_DE LOURDES	110526	non-null	bool
26	Neighbourhood_DO CABRAL	110526	non-null	bool
27	Neighbourhood_DO MOSCOSO	110526	non-null	bool
28	Neighbourhood_DO QUADRO	110526	non-null	bool
29	Neighbourhood_ENSEADA DO SUÁ	110526	non-null	bool
30	Neighbourhood_ESTRELINHA	110526	non-null	bool
31	Neighbourhood_FONTE GRANDE	110526	non-null	bool
32	Neighbourhood_FORTE SÃO JOÃO	110526	non-null	bool
33	Neighbourhood_FRADINHOS	110526	non-null	bool
34	Neighbourhood_GOIABEIRAS	110526	non-null	bool
35	Neighbourhood_GRANDE VITÓRIA	110526	non-null	bool
36	Neighbourhood_GURIGICA	110526	non-null	bool
37	Neighbourhood_HORTO	110526	non-null	bool
38	Neighbourhood_ILHA DAS CAIEIRAS	110526	non-null	bool
39	Neighbourhood_ILHA DE SANTA MARIA	110526	non-null	bool
40	Neighbourhood_ILHA DO BOI	110526	non-null	bool
41	Neighbourhood_ILHA DO FRADE	110526	non-null	bool
42	Neighbourhood_ILHA DO PRÍNCIPE	110526	non-null	bool
43	Neighbourhood_ILHAS OCEÂNICAS DE TRINDADE	110526	non-null	bool
44	Neighbourhood_INHANGUETÁ	110526	non-null	bool
45	Neighbourhood_ITARARÉ	110526	non-null	bool
46	Neighbourhood_JABOUR	110526	non-null	bool
47	Neighbourhood_JARDIM CAMBURI	110526	non-null	bool
48	Neighbourhood_JARDIM DA PENHA	110526	non-null	bool
49	Neighbourhood_JESUS DE NAZARETH	110526	non-null	bool
50	Neighbourhood_JOANA D´ARC	110526	non-null	bool
51	Neighbourhood_JUCUTUQUARA	110526	non-null	bool
52	Neighbourhood_MARIA ORTIZ	110526	non-null	bool
53	Neighbourhood_MARUÍPE	110526	non-null	bool
54	Neighbourhood_MATA DA PRAIA	110526	non-null	bool
55	Neighbourhood_MONTE BELO	110526	non-null	bool
56	Neighbourhood_MORADA DE CAMBURI	110526	non-null	bool
57	Neighbourhood_MÁRIO CYPRESTE	110526	non-null	bool
58	Neighbourhood_NAZARETH	110526	non-null	bool
59	Neighbourhood_NOVA PALESTINA	110526	non-null	bool
60	Neighbourhood_PARQUE INDUSTRIAL	110526	non-null	bool
61	Neighbourhood_PARQUE MOSCOSO	110526	non-null	bool
62	Neighbourhood_PIEDADE	110526	non-null	bool
63	Neighbourhood_PONTAL DE CAMBURI	110526	non-null	bool
64	Neighbourhood_PRAIA DO CANTO	110526	non-null	bool
65	Neighbourhood_PRAIA DO SUÁ	110526	non-null	bool
66	Neighbourhood_REDENÇÃO	110526	non-null	bool
67	Neighbourhood_REPÚBLICA	110526	non-null	bool
68	Neighbourhood_RESISTÊNCIA	110526	non-null	bool
69	Neighbourhood_ROMÃO	110526	non-null	bool
70	Neighbourhood_SANTA CECÍLIA	110526	non-null	bool

71	Neighbourhood_SANTA CLARA	110526	non-null	bool
72	Neighbourhood_SANTA HELENA	110526	non-null	bool
73	Neighbourhood_SANTA LUÍZA	110526	non-null	bool
74	Neighbourhood_SANTA LÚCIA	110526	non-null	bool
75	Neighbourhood_SANTA MARTHA	110526	non-null	bool
76	Neighbourhood_SANTA TEREZA	110526	non-null	bool
77	Neighbourhood_SANTO ANDRÉ	110526	non-null	bool
78	Neighbourhood_SANTO ANTÔNIO	110526	non-null	bool
79	Neighbourhood_SANTOS DUMONT	110526	non-null	bool
80	Neighbourhood_SANTOS REIS	110526	non-null	bool
81	Neighbourhood_SEGURANÇA DO LAR	110526	non-null	bool
82	Neighbourhood_SOLON BORGES	110526	non-null	bool
83	Neighbourhood_SÃO BENEDITO	110526	non-null	bool
84	Neighbourhood_SÃO CRISTÓVÃO	110526	non-null	bool
85	Neighbourhood_SÃO JOSÉ	110526	non-null	bool
86	Neighbourhood_SÃO PEDRO	110526	non-null	bool
87	Neighbourhood_TABUAZEIRO	110526	non-null	bool
88	Neighbourhood_UNIVERSITÁRIO	110526	non-null	bool
89	Neighbourhood_VILA RUBIM	110526	non-null	bool
90	Weekday_Monday	110526	non-null	bool
91	Weekday_Saturday	110526	non-null	bool
92	Weekday_Thursday	110526	non-null	bool
93	Weekday_Tuesday	110526	non-null	bool
94	Weekday_Wednesday	110526	non-null	bool

dtypes: bool(85), int64(10)

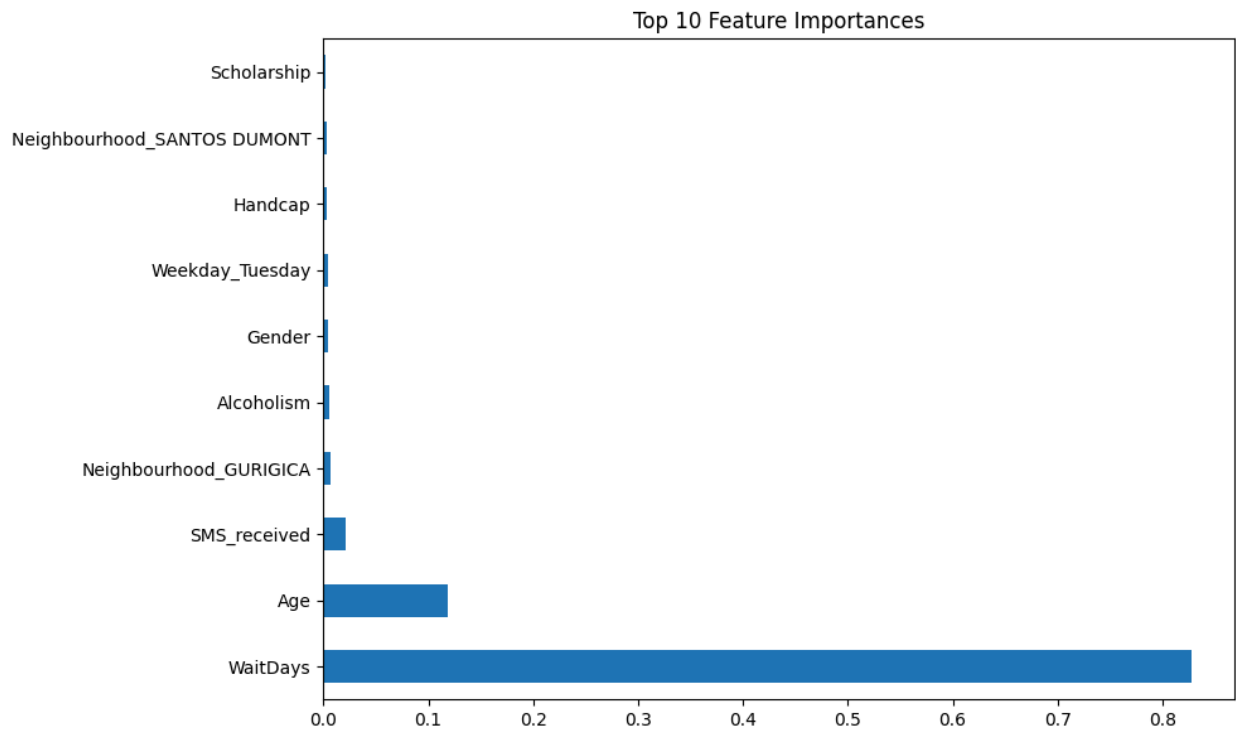
memory usage: 18.2 MB

None

Accuracy: 0.8016828010494889

	precision	recall	f1-score	support
0	0.80	1.00	0.89	17715
1	0.58	0.01	0.01	4391
accuracy			0.80	22106
macro avg	0.69	0.50	0.45	22106
weighted avg	0.76	0.80	0.72	22106

Predictions saved as appointment\_predictions.csv



[5]:

```
import os
print("Saving to:", os.getcwd())
```

Saving to: D:\JN

[3]:

```
Accuracy: 0.8016828010494889
      precision    recall  f1-score   support

     0       0.80      1.00      0.89      17715
     1       0.58      0.01      0.01       4391

   accuracy          0.80      22106
  macro avg       0.69      0.50      0.45      22106
 weighted avg       0.76      0.80      0.72      22106
```

✓ File saved as predictions.csv