T5 Exploratory Data Analysis Project

NO SHOW IN THE MEDICAL APPOINTMENTS

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INTRODUCTION

In this project, I did an Exploratory data analysis for Medical Appointment datasets in Brazil. I found some reasons why the patients don't show up in their appointments. So I got some suggestions that may improve making appointments.

TOOLS

Jupyter Notebook

SQLite

Python

Numpy

Seaborn

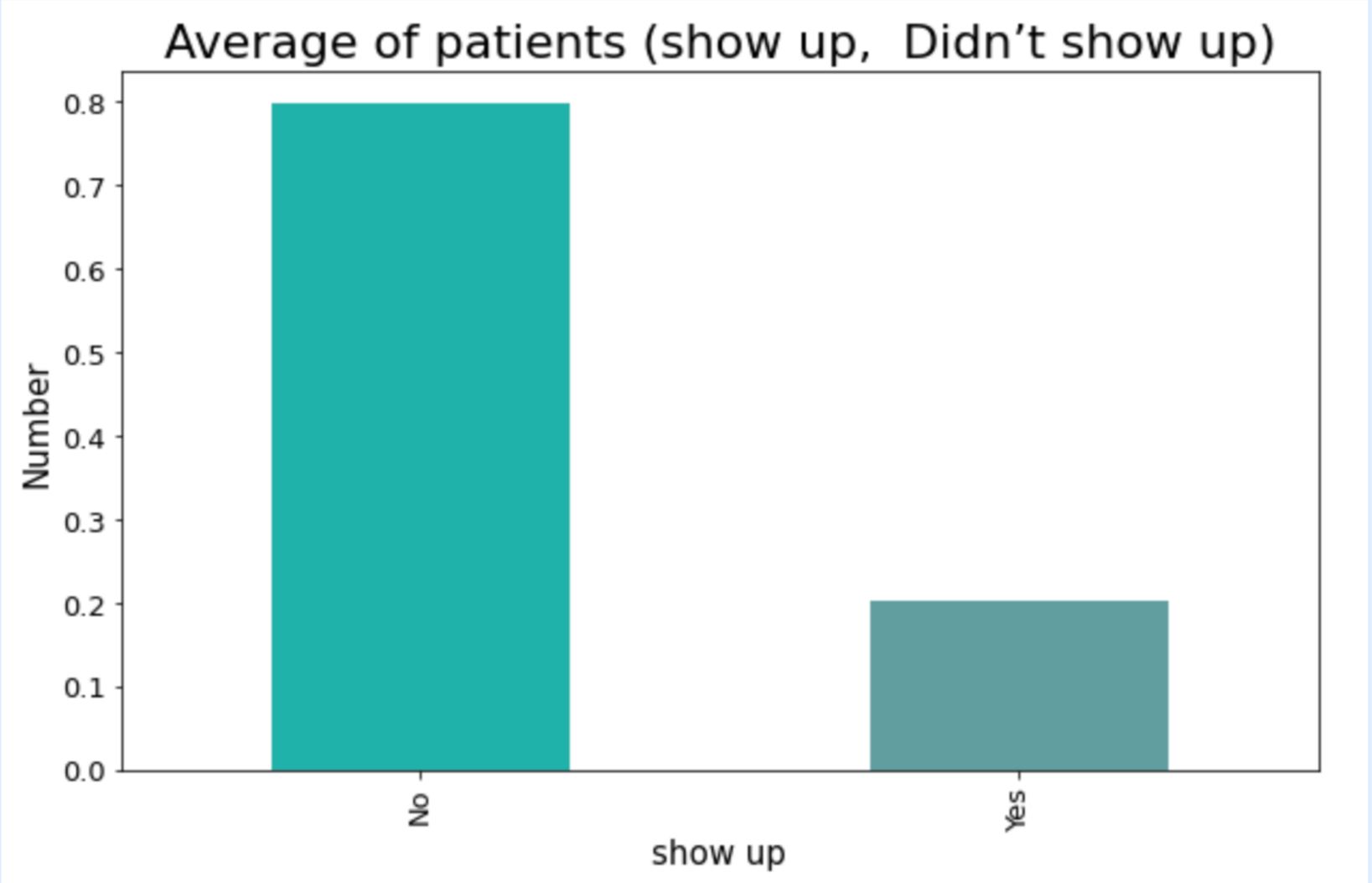
Pandas

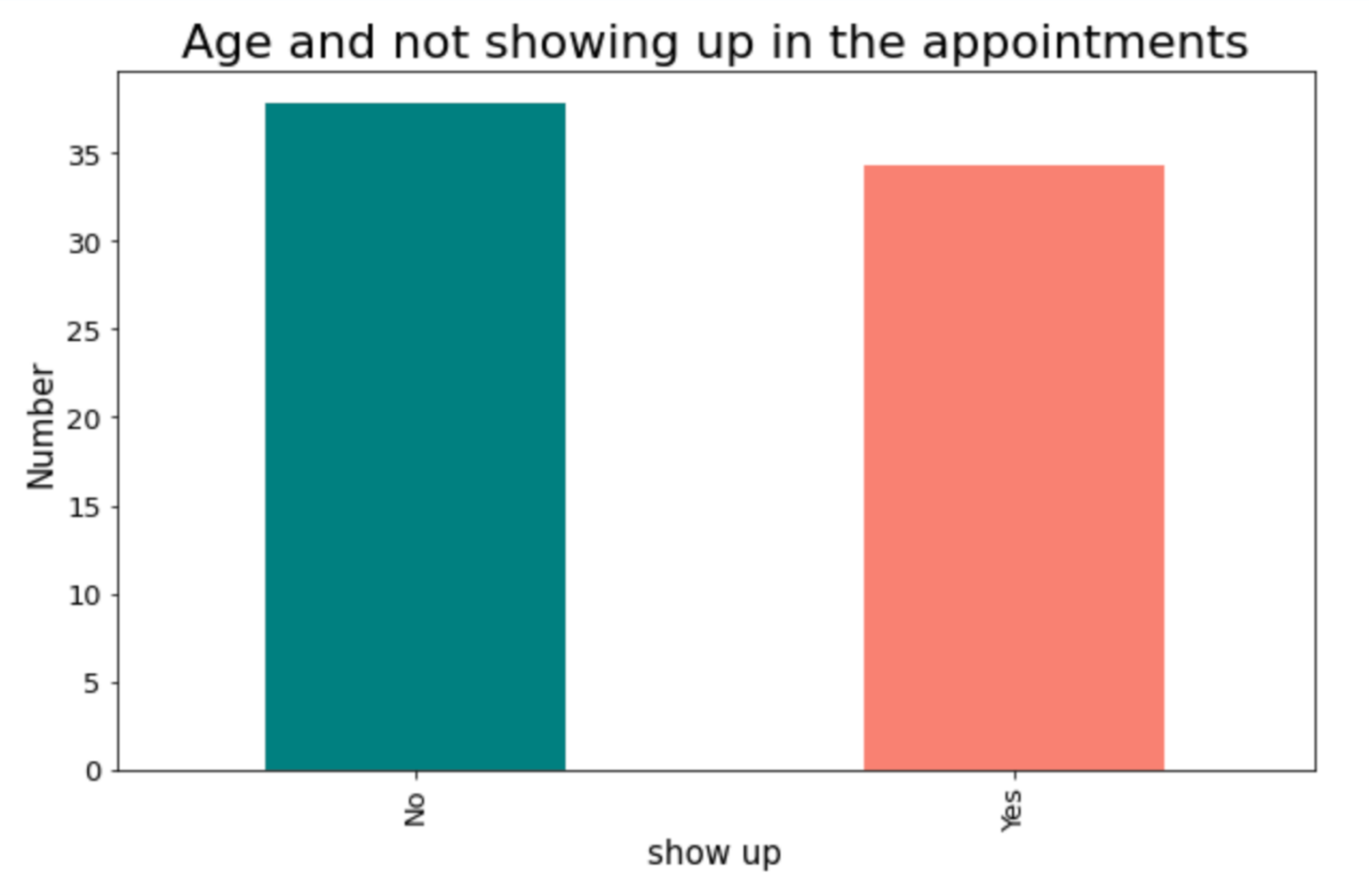
Matplotlib

In [204]:
```
df.head(5)
```

Out[204]:

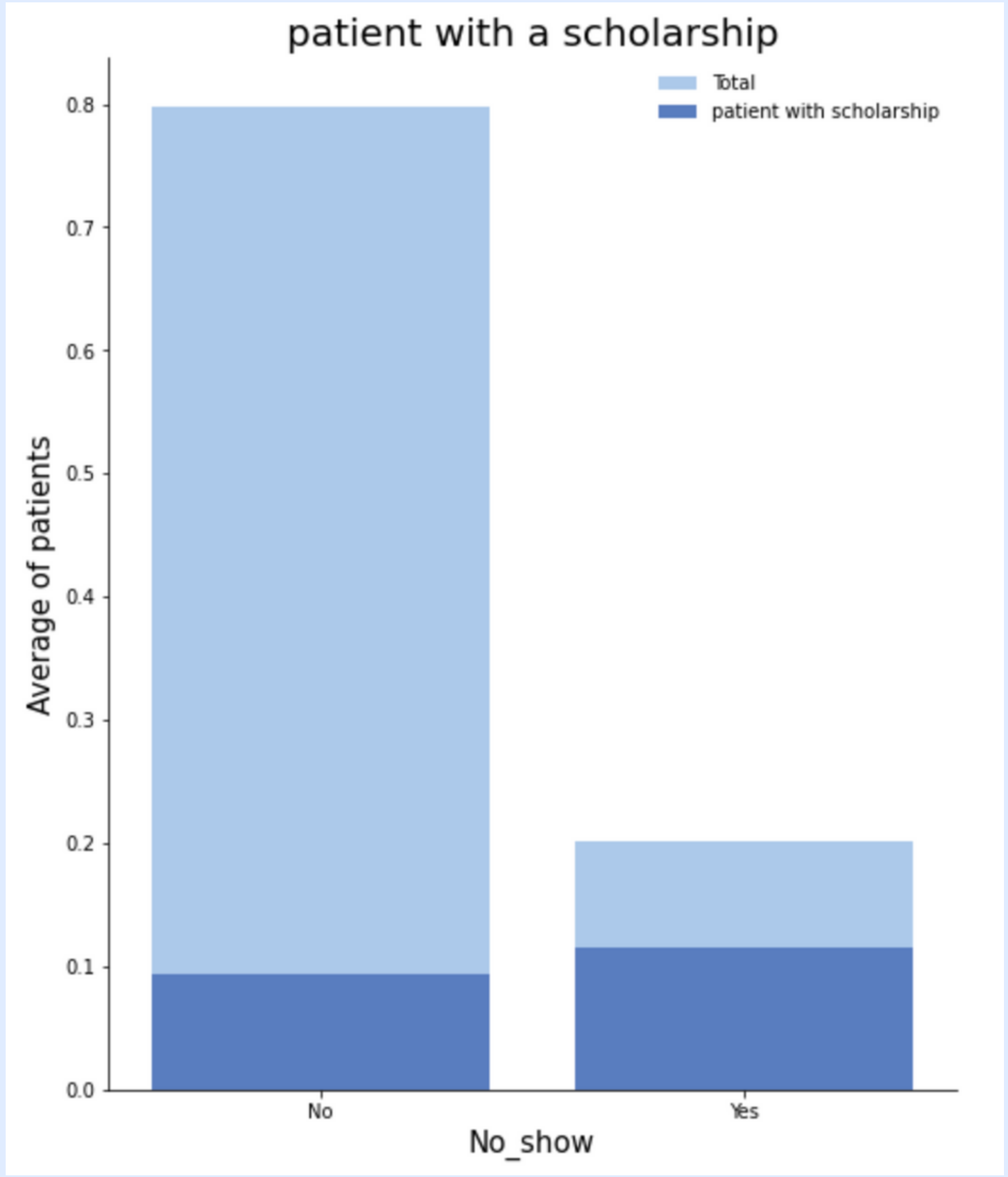
	gender	scheduled_day	appointment_day	age	scholarship	hypertension	diabetes	alcoholism	handicap	sms_received	no_show	diff_between_dates
0	F	2016-04-29	2016-04-29	62	0	1	0	0	0	0	No	0.0
1	M	2016-04-29	2016-04-29	56	0	0	0	0	0	0	No	0.0
2	F	2016-04-29	2016-04-29	62	0	0	0	0	0	0	No	0.0
3	F	2016-04-29	2016-04-29	8	0	0	0	0	0	0	No	0.0
4	F	2016-04-29	2016-04-29	56	0	1	1	0	0	0	No	0.0


Average of patients (show up, Didn’t show up)
Number
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
No
Yes
show up

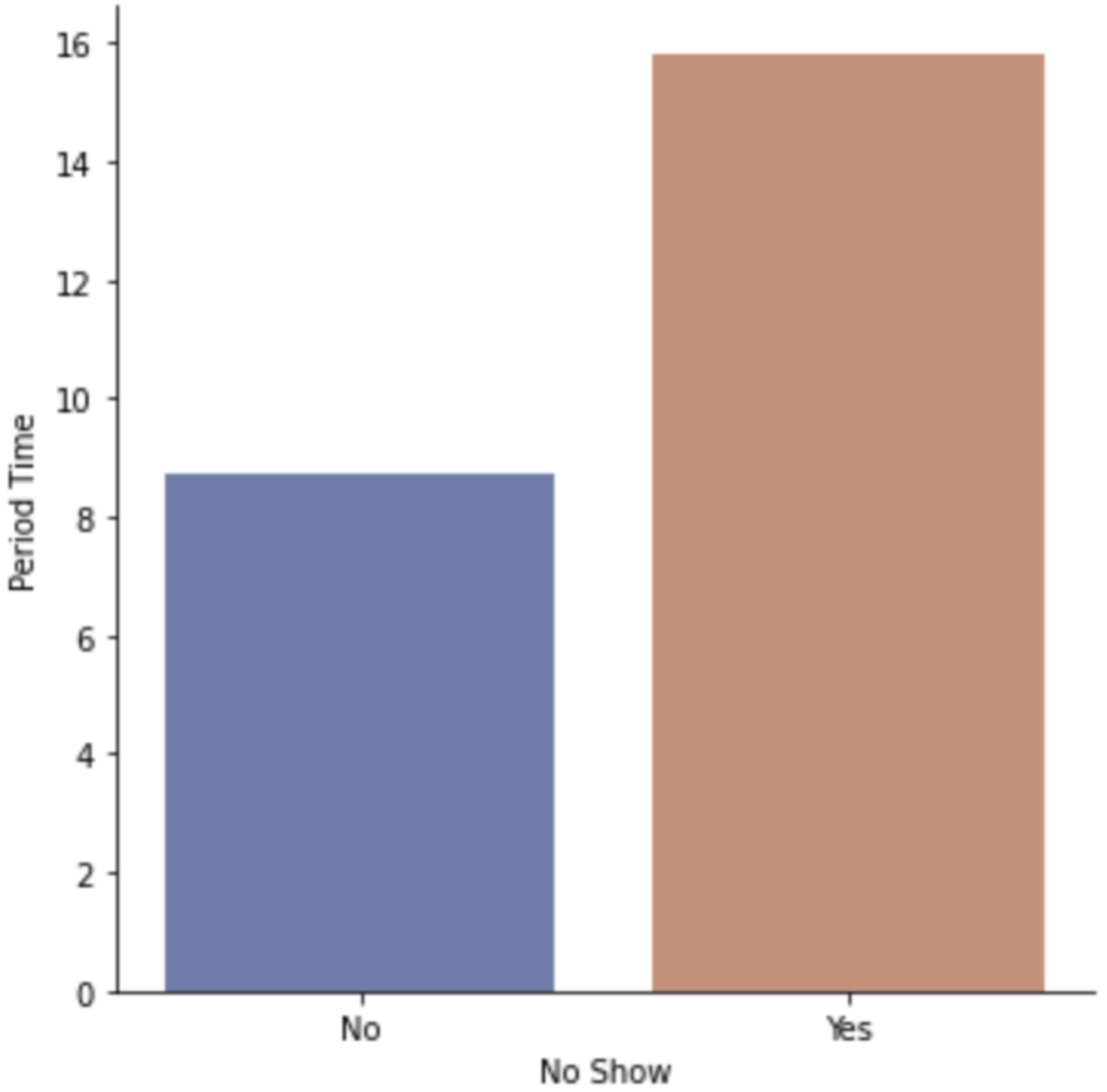

Age and not showing up in the appointments
Number
0
5
10
15
20
25
30
35
No
Yes
show up

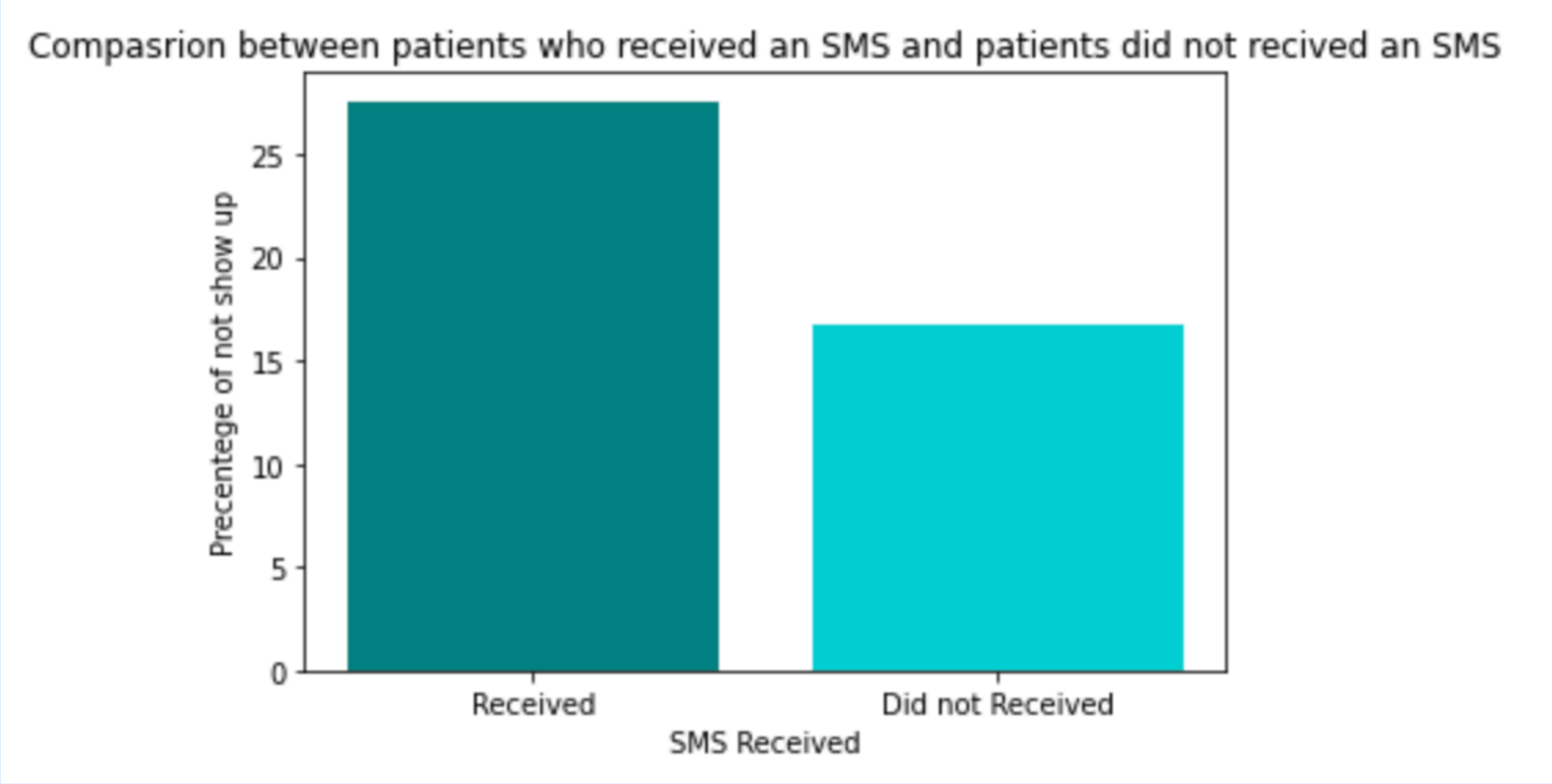
Scholarship column

a social welfare program of the Government of Brazil. Bolsa Família provides financial aid to poor Brazilian families


patient with a scholarship
Total
patient with scholarship
Average of patients
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
No
Yes
No_show

period time between schedule and appointment days




Compasrion between patients who received an SMS and patients did not recived an SMS
Precentege of not show up
0
5
10
15
20
25
Received
Did not Received
SMS Received

Any Questions?

THANK YOU!