Project About Investigate a Dataset
(Medical Appointments No Shows)

Introduction

   I have joined Udicity Scholarship. I have to do some work to apply what I have learnt in the content of course as a tangible application to use Python programming code,statistics, visualizations that will help in illustrating relations between attributes & answering to questions Using descriptive statistics, So I decide to investigate No show appointment dataset to translate all effort in my previous study to valuable work.

Tools:

- Python, libraries: numpy, pandas, matplotlib, seaborn.
- Jupyter notebook (Anaconda server).

Data description:

The goal of this project is to analyze & investigate medical appointment records for healthcare system in Brazil. Dataset has many attributes about patients & if the patients have viewed thier appointments or not. My investigation will focus on finding the relations & trends for patients attributes with showing the appointments. This investigation will be carried out using descriptive statistics & visualizations.

Column Name	Value(s)	Description
PatienID	Float numer	identification of a patient
AppointmentID	Int Number	identification of each appointment
Gender	F or M (object)	it says 'F' if female or 'M' if man
ScheduledDay	Date & timezone (object)	What day the patient set up their appointment
AppointmentDay	Date & timezone(object)	the day of the actual appointment, when they have to visit the doctor
Age	Int Number	how old is the patient
Neighbourhood	object	indicates the location of the hospital
Scholarship	0 or 1 (int Number)	indicates whether or not the patient is enrolled in the Brasilian welfare program (Bolsa Família) or not
Hipertension	0 or 1 (int Number)	indicates if the patient has hypertension or not

Diabetes	0 or 1 (int Number)	indicates if the patient has diabetes or not
Alcoholism	0 or 1 (int Number)	indicates if the patient has Alcoholism or not
Handcap	0 or 1 (int Number)	indicates if the patient is handicaped or not
SMS_received	0 or 1 (int Number)	The patient received SMS message or not
No-show	Yes or No (object)	it says 'No' if the patient showed up to their appointment, and 'Yes' if they did not show up