

PROJECT PROPOSAL

MEDICAL APPOINTMENT NO SHOWS

PROPOSED BY:

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INTRODUCTION

One of the problems that medical clinics face is when a person books an appointment but does not show up. Every appointment that is not attended deprives another patient of the opportunity to benefit from it.

In this project, we will predict whether the patient will show or not, the aim is to help clinics in Brazil know if the clinic or the patient is responsible for this problem and understand the causes that led to it.

DATA DESCRIPTION

The dataset collects information on more than 100k medical appointments in Brazil and 14 features which are:

- PatientId: Identification of a patient.
- AppointmentID: Identification of each appointment.
- Gender: Male or Female.
- ScheduledDay: The day someone called or registered the appointment.
- AppointmentDay: The day of the actual appointment, when they have to visit the doctor.
- Age: Indicates the age of the patient.
- Neighborhood: Indicates the place of the appointment.
- Scholarship: Indicates whether the patient is enrolled in the Brasilian welfare program.
- Hypertension: True or False
- Diabetes: True or False
- Alcoholism: True or False
- Handcap: True or False
- SMS_received: Indicate if the patients have received SMS massage before their appointment.
- No-show: Indicates 'No' if the patient showed up to their appointment, and 'Yes' if they did not show up.

TOOLS

Here the tools that will be initially uses in this project:

- Software platform: Jupyter Notebook
- Programming language: Python
- Includes libraries:
 - Pandas
 - Numpy
 - Seaborn
 - Matplotlib
 - Sklearn