No Show to Appointment

In this project, your analysis will focus on missed medical appointments, aiming to recommend strategies for reducing this issue. The dataset is from a healthcare provider in the state of Espirito Santo, Brazil. The dataset is obtained from Kaggle which includes 18 variables and more than 72k cases (patients) (https://www.kaggle.com). Two of these variables are the ID (patient and appointment ID) variable while one of them is the dependent (outcome) variable (Show up) (See table 1).

Table 1: Project dictionary (Reference: https://www.kaggle.com):

Variable	Definition
Age	Patient age
Gender	Patient sex
Scheduled Day	Day of the scheduling an appointment
Appointment day	Day of the appointment
Month	Month of the appointment
Calling time	The hour of calling to schedule an appointment
Waiting time (lead time)	Waiting time for the appointment in minute
Financial aid	Status of having a financial support
Hypertension	Status of having high blood pressure
Diabetes	Status of being diabetic
Alcoholism	Status of being an alcoholic
Handicap	Status of being handicap
Appointment reminder (SMS received)	Status of receiving reminder message or call
Time between appointments	Number of days between two consecutive scheduled appointments
Prior no-show	The proportion of the prior no-show
Show up	Whether the patient showed up or not