Show or No show?

Have you had to wait for hours before seeing your doctor because you could not get an appointment? Most likely, yes, and defiantly it was not a pleasant experience.

Would not it be nice if healthcare provider can tell if a patient is going to show up or bail on his appointment? Allowing them to plan their schedules efficiently and reduce waiting time for walk-in people. Hence, increase visitors' satisfaction.

Data Description:

The dataset used in this project was obtained from Kaggle [https://www.kaggle.com/joniarroba/noshowappointments]

It has more than 100K patients' records with 14 features. For this project, only a sample of 10K will be used.

Data features include patient's health issues, age, neighborhood, appointment day and more. I will be working with schedule day, appointment day, age and patient's id.

Tools

- Numpy and Pandas for data manipulation

- Scikit-learn for modeling

- Matplotlib and Seaborn for plotting

MVP Goal

The goal of this project is to find the characteristics that define now-show patients given above dataset and build a model that can predict it.