

Project: Medical Appointment No Shows

In this project i investigate a dataset called no show appointments.

This dataset collects information from 100k medical appointments in Brazil and is focused on the question of whether or not patients show up for their appointment. A number of characteristics about the patient are included in each row. I've dependent variable (No-show) and independent variables (age, Hypertension, gender, name of the day and sms received)

Findings:

Does sms received affect for show up? Yes, people who received sms show up more compared to another. Does appointment no-shows occur on specific days of the week? Appointment no-shows occurred the most on Tuesdays and the least on Thursdays. Overall, appointments early in the week have a higher no-show rate. It's difficult to draw any conclusions from this.

What is the patient age distribution of no-shows versus shows? Patient age was charted to see if there was a large difference between the no-shows and shows segments. The mean age of the no-shows segment was 34 compared to the shows segment which was 38. No significant differences to note.

Conclusions

Nearly 80% of all appointments investigated were no-shows. This number was the root driver of the analysis. The following conclusions were drawn to serve as a basis for a more robust analysis in the future.