

SVAP_Assignment

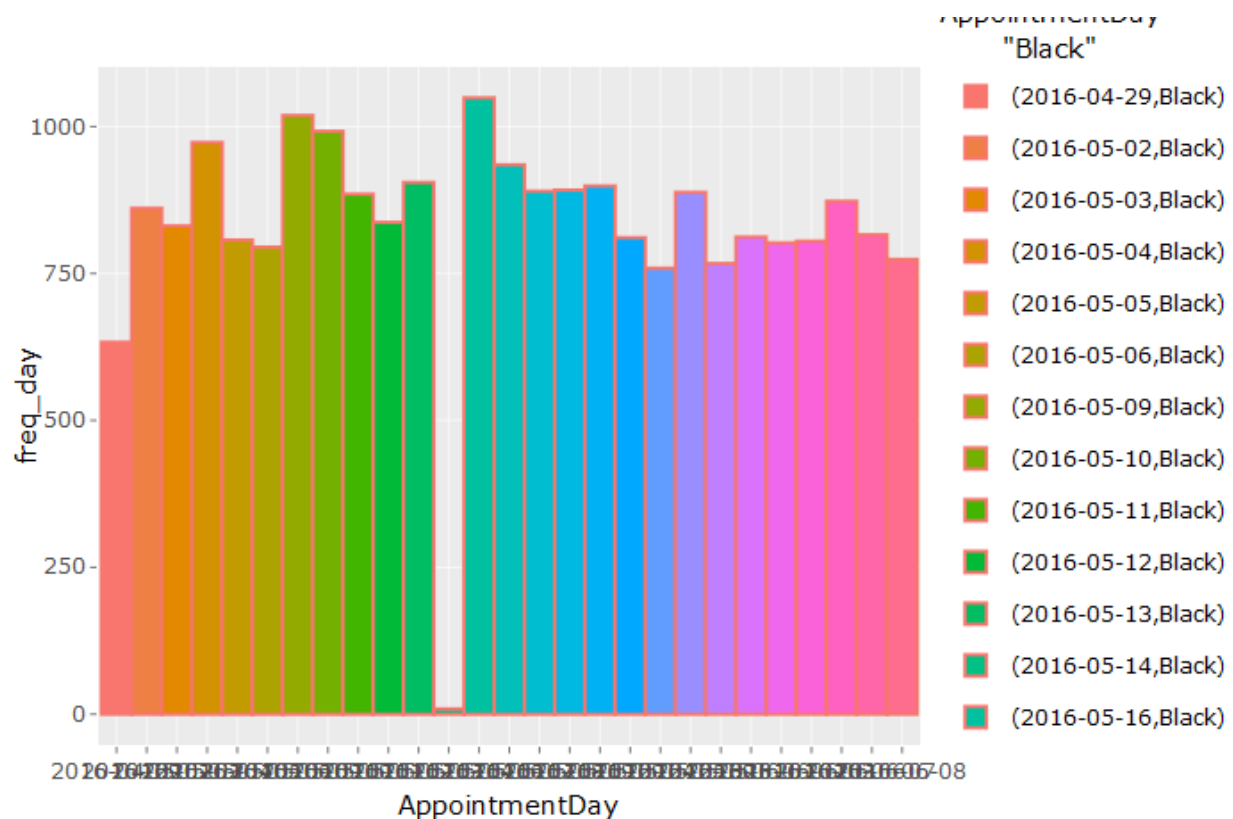
Question Framed:

What is the probability of the patients not showing up after taking the Appointments?

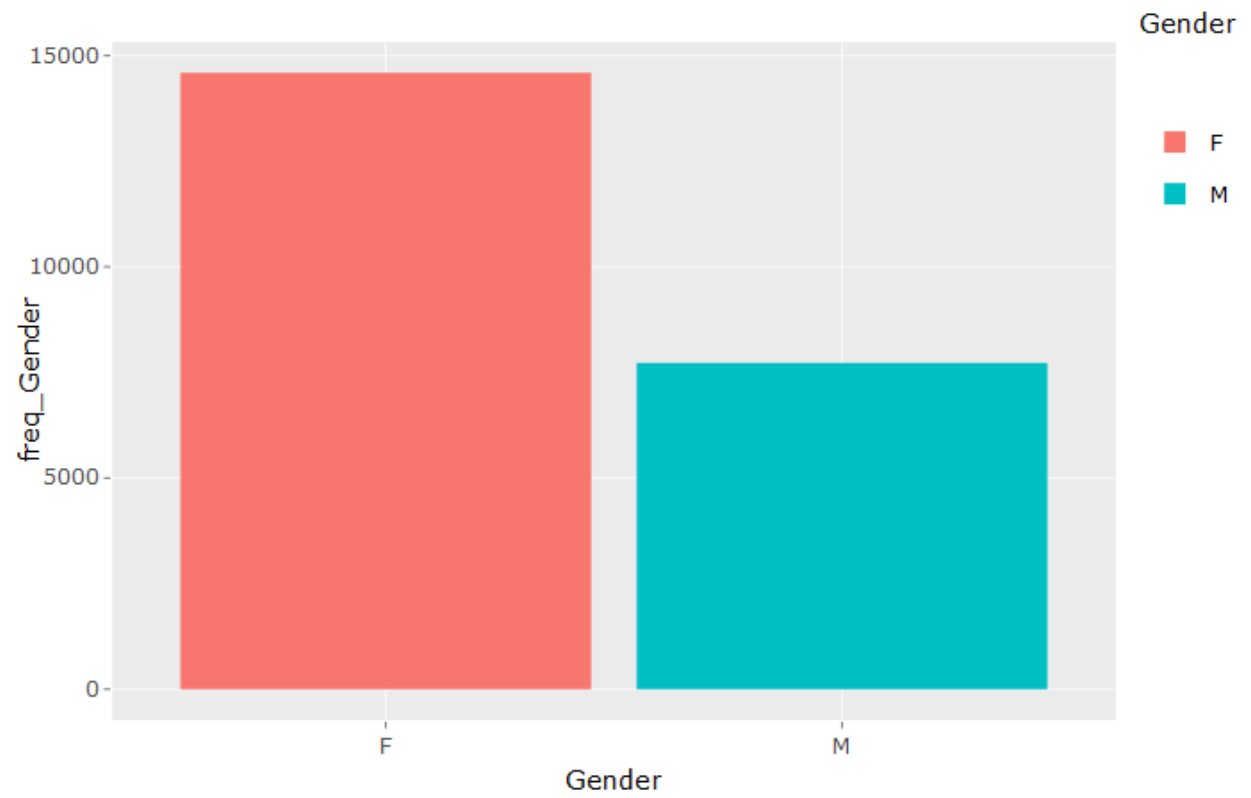
- If the prediction of the number of patients turning up is known then the Hospital Staff can be maintained and decisions can be taken accordingly

Inference:

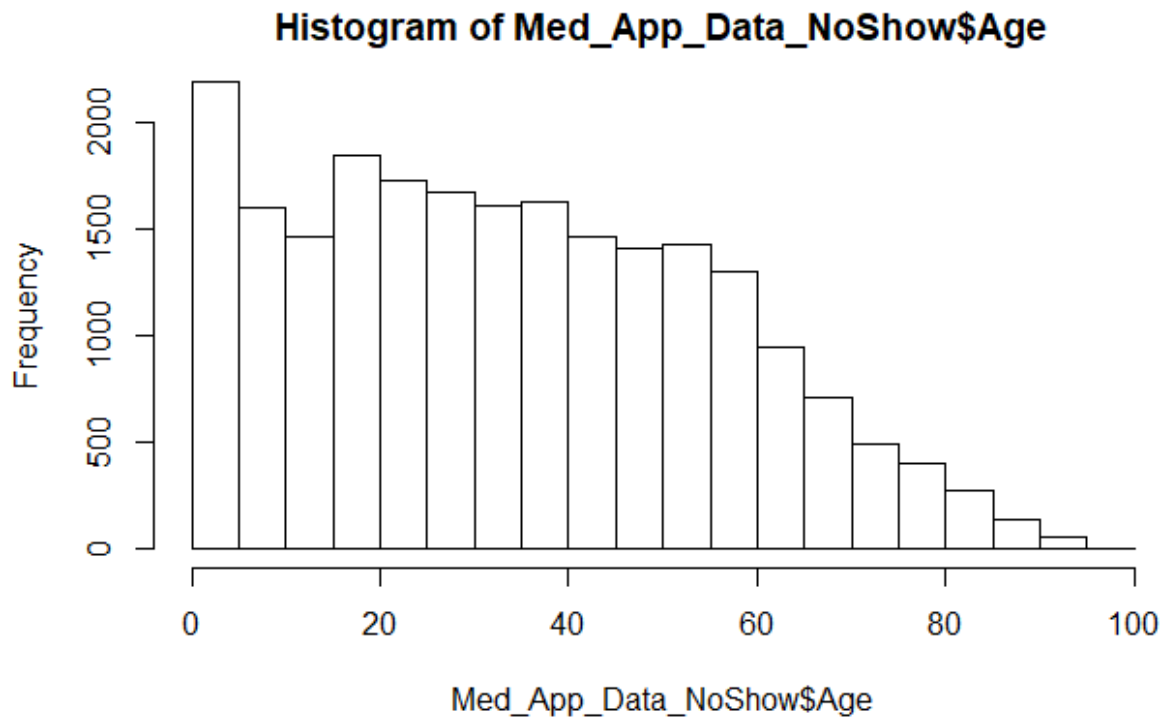
1. Most of the appoints were scheduled for 2016-05-16, and many people didn't turn up on 2016-06-06 , also almost all the days of appointment around 3K people did not turn up.



2. Twice the number of women as of men skip the appointments.

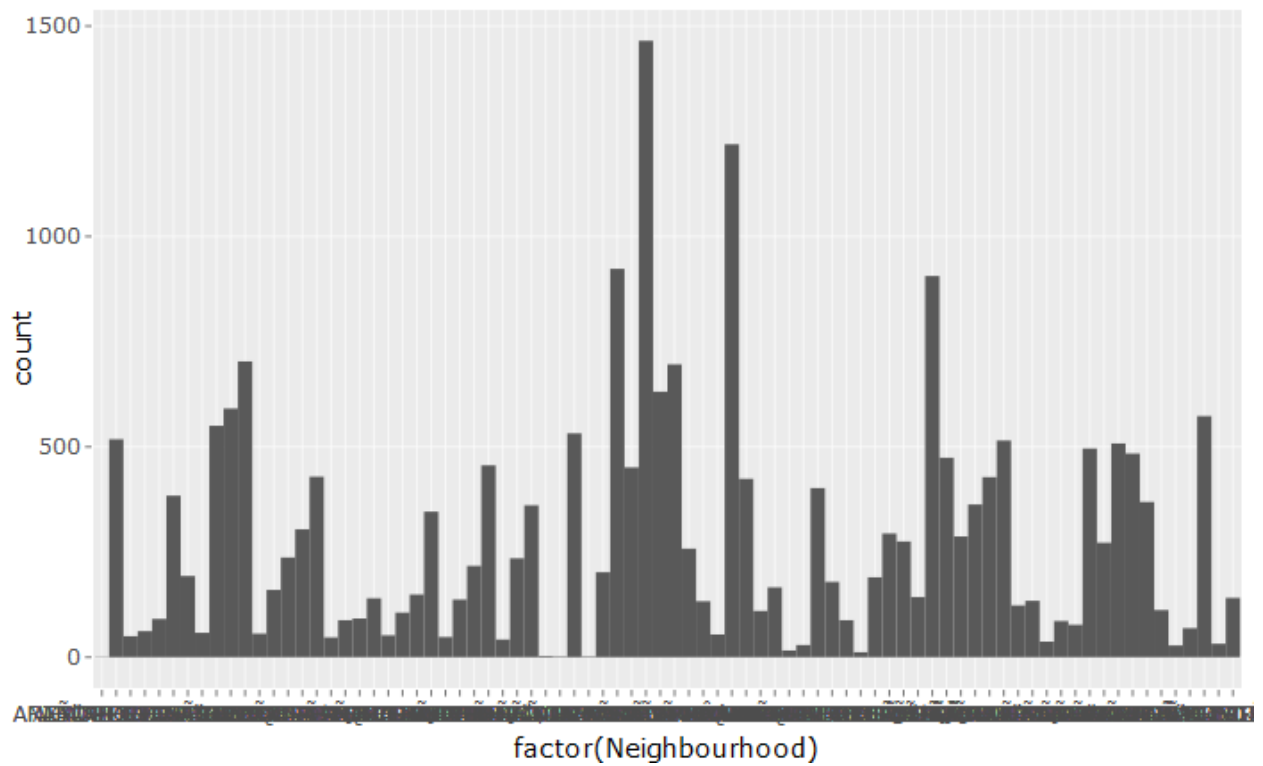


- Most of the appointments are skipped by the patients of the age group 0-5, also lower the age higher the possibility of not showing up

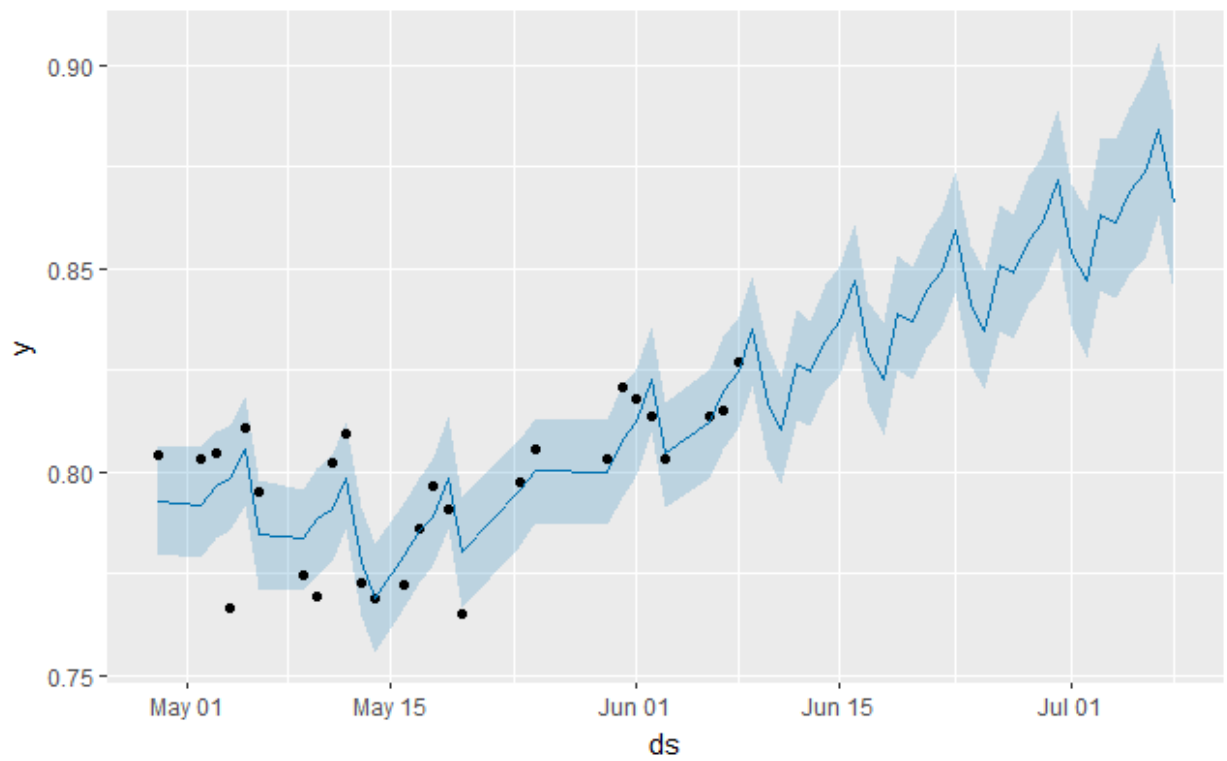


4. People from JARDIM CAMBURI and MARIA ORTIZ skip the appointments

If the location of the hospital is given , then the reason for the people from these places may be because of the distance from place to the hospital , this could be analyzed , unfortunately its not given.



Predicted Model:



INSIGHT:

The probability of Patients not showing up is increasing as shown in the above plot and is independent on the factors diabetic,Hipertension,Alcoholism,Handcap,Scholarship and SMS_received.