This is my analysis of “noshowappointments-kagglev2-may-2016” dataset.

Those are the questions I tried to answer:

- what is the most age range not committing to their appointments ?
- What's the relation between having a handicap and the possibility of no show ?
- What are the top neighbourhoods residents committing to their appointments and the least to commit ?
- which is the highest date of number of appointments?
- what is the percentage of missing up the appointments?

This analysis of this dataset the contain different information of people recorded to have appointments in certain dates and whether they showed up or not, this might not be completely error free but i tried my best to keep most of the rows and drop the invalid rows in the narrow limits, this analysis also might not discuss all the reasons that make people miss their appointments, may be extra information will make the conclusions more accurate like knowing the degree of streets crowdedness.

Wrangling efforts:

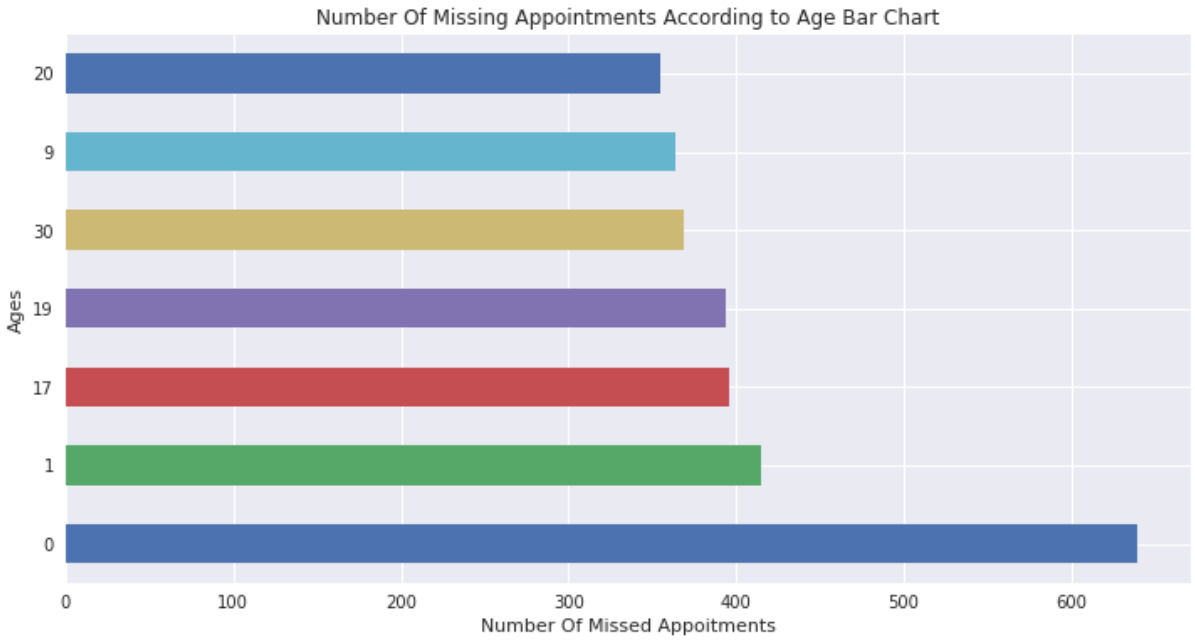
I cleaned the following quality issues:

- `ScheduledDay` and `AppointmentDay` must be formatted as timestamp
- invalid data in `Age` column(ex:"-1)
- `PatientId` is float
- `PatientId` contain decimal values

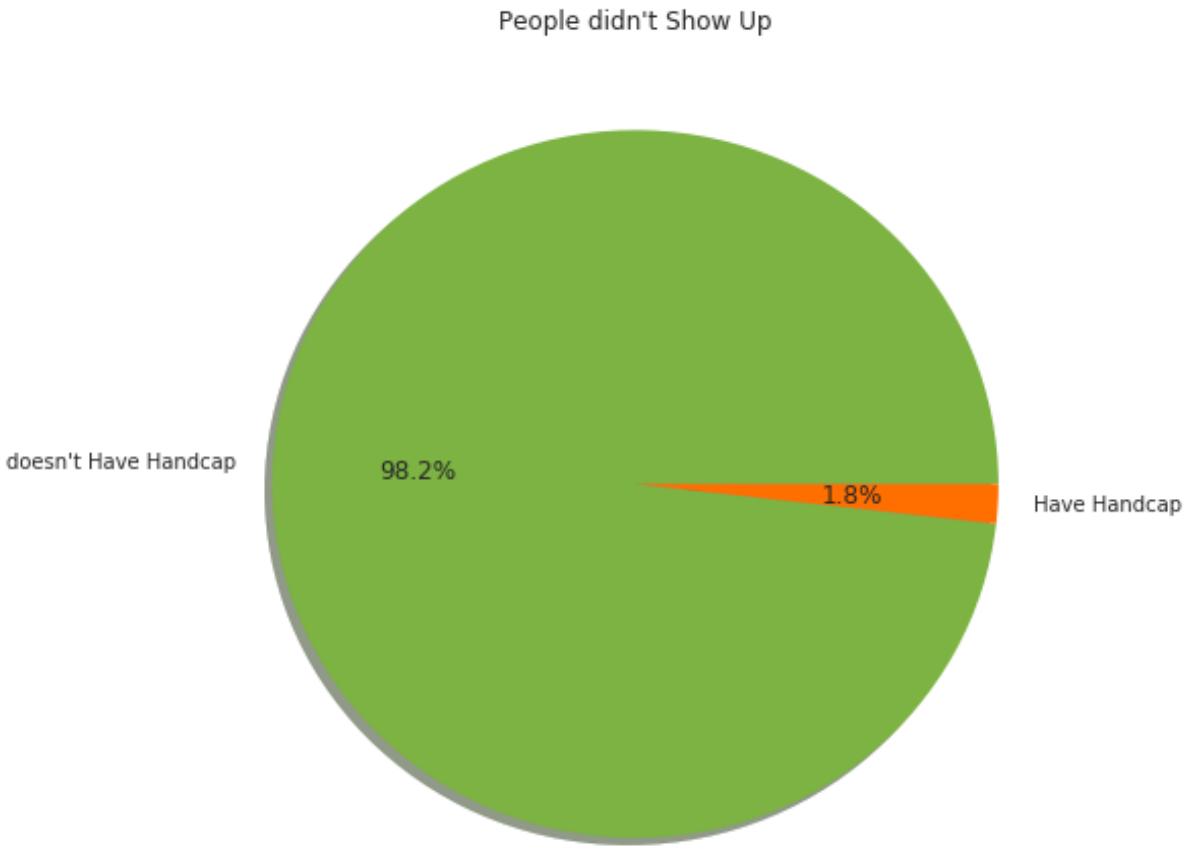
Conclusions:

Analysis of this Dataset came out with vert intersting and useful information, As showen in the charts we found that :

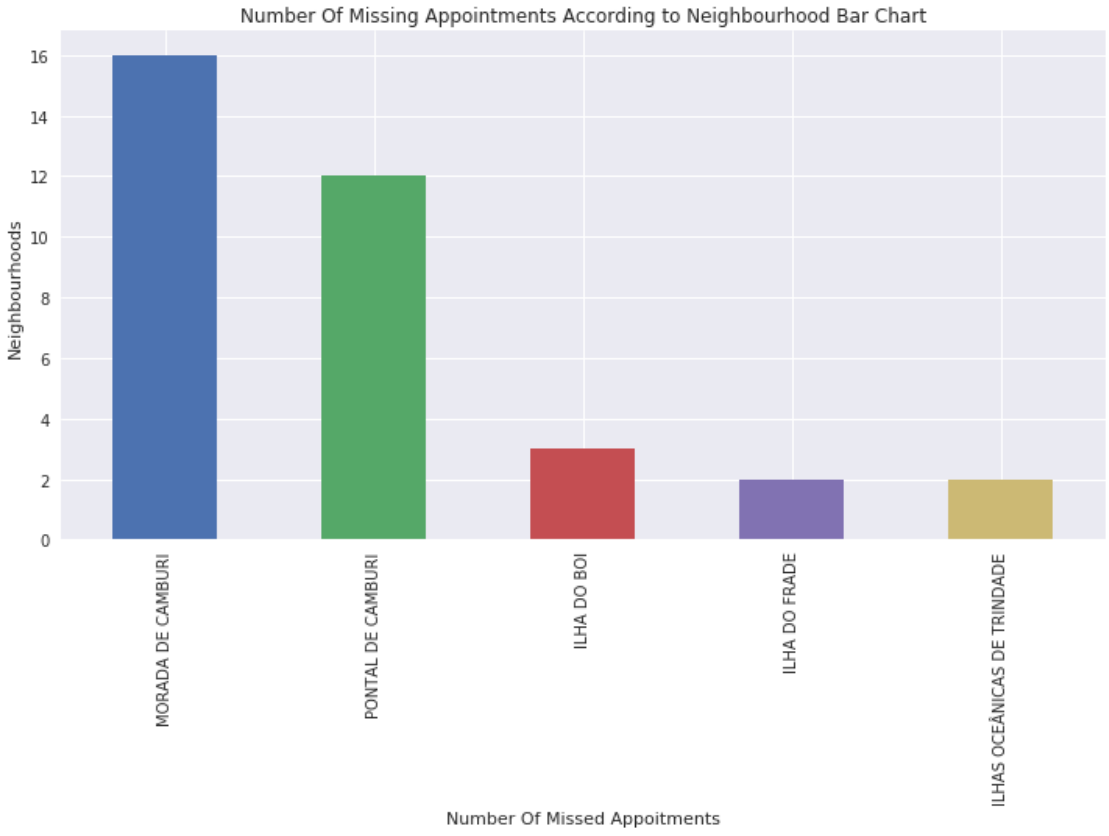
1. Ages below 21 are the most excpected to miss up their appointment and Babies (below one year) are the most to miss up.

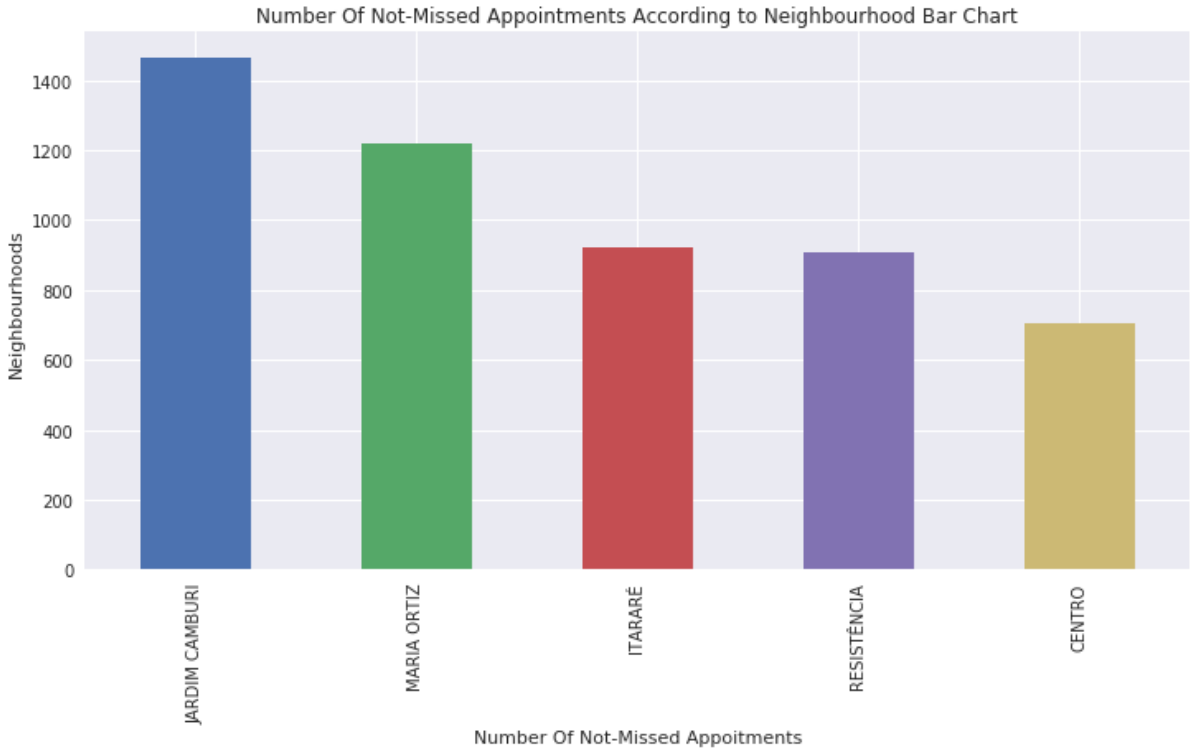


2. 1.8% of people missed up thier appointments have handcap.¶

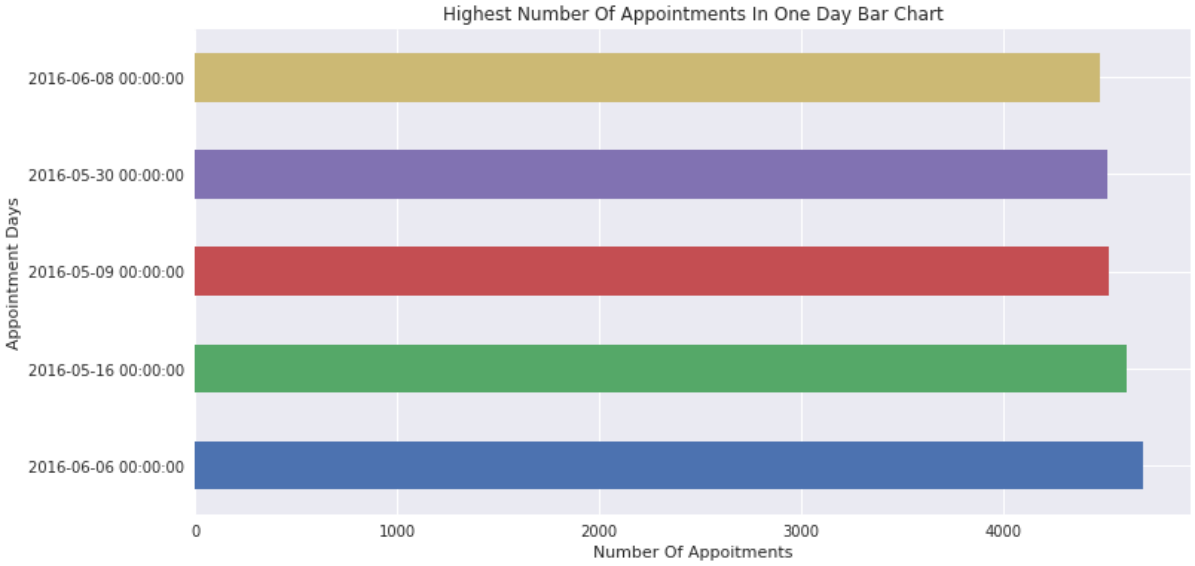


3. residents of JARDIM CAMBURI, MARIA ORTIZ, ITARARÉ, RESISTÊNCIA and CENTRO are the most commiting to thier appointments and residents of PONTAL DE CAMBURI, ILHA DO BOI, ILHAS OCEÂNICAS DE TRINDADE, ILHA DO FRADE and AEROPORTO are the most missing thier appointments.




Number Of Not-Missed Appointments According to Neighbourhood Bar Chart
Neighbourhoods
0
200
400
600
800
1000
1200
1400
JARDIM CAMBURI
MARIA ORTIZ
ITARARÉ
RESISTÊNCIA
CENTRO
Number Of Not-Missed Appoitments

4. greatest number of appointments in one day was on june 6, 2016.



5. 16.8% of people didn't show up in their appointments.