**MET CS 699 DATA MINING**

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**DATA MINING: DATA SET**

**MEDICAL APPOINTMENTS SHOW UP**

**DATASET DESCRIPTIONS:** The source of my data set is Kaggle.com. I find this dataset descriptive for my project. As it contains 110.527 medical appointments with 14 associated attributes. In which the most crucial is the patient show up or not show up to the appointment.

In this modern era, people are engaged with their crucial stuff. Which is the reason why they miss their medical appointment. Missed appointments or no-shows are defined as “patients who neither kept nor canceled their scheduled appointments”.

Surveys or Studies conducted previously in primary care settings found that the rates of missed appointments in the United States vary from 5% to 55%.

Missed appointments or no-shows are defined as “patients who neither kept nor canceled scheduled appointments”. Missed appointments cost the United States healthcare system more than $150 billion a year. It causes disruption in the continuity of the provision of healthcare services, adds to the dissatisfaction of patients due to delays in getting new appointments and hinders the detection and treatment of diseases. The rates of missed appointments vary between countries and healthcare systems. Studies conducted previously in primary care settings found that the rates of missed appointments were (5%-55%, in different series) in the United States, (29.5%) in Saudi Arabia, (36%) in Israel, and (6.5%-7.7%) in the United Kingdom. Only a few studies have been conducted in Latin American populations.

**Data Attributes:**

**Patient\_Id:**

Patient Id is the unique Id, which is the identification of the patient.

Appointment\_ID:

Appointment Id is the unique attribute which is assign to each patient who wants an appointment schedule.

Gender:

Gender is an attribute of the person which identifies the person.

Appointment\_Day:

This is the day of the actual appointment which is given to each and every individual person who makes aAS medical appointment.

Age:

This is the asttribute of the appointment holder which tells how old is the person.

### Neighbourhood

### It is the place where appointment of the person takes place.

### SMS\_received

### This is the attribute which shows the confirmation of the appointment of the person.

### No\_Show

### This is the no show appointment of the person, which makes an appointment but did not appear.

### Scheduled\_day

### This is the day where all the appointments are scheduled for person who made a medical appointment.

Hypertension: This is the one of the attribute of the patient. By which it got affected.

Alcoholism: This is the second attribute of the patient which leads to medical appointment.

Diabetes: This is the third attribute of the patient which leads to medical appointment.

Handicap: This is the fourth attribute of the patient which leads to the medical appointment.