* Hello everyone, my name is Igor Queiroz, I am the data scientist who created this ML classification model webapp, which solves the business problem of Healthcare - Persistency of a Drug.
* So this business problem is based on of the most comoum roblem of diferent pharmacaetical companies, which is, understend the persistency of a drug during the patient treatment.

In order to solve this problem, a ML classification model was created .

What this ML model does? It classify if futures patients will use the drugs during the entire treatment or if they won’t, if they are going to stop to take the drug in the middle of the treatment, for example.

So, In order to create this ML model the most important patient caracteristics was picked up with the aim of get a high accuracy classification.

Again, as u can see, those are the patients caracteristcs:

Region, where the patient lives;

Ntm\_Speciality\_Bucket, type of medical specialists that are providing the treatment;

Dexa\_Freq\_During\_Rx, quantity of dexa scan exam.

Types of comorbidity, types of drugs ingested by the patient in the same period of time before treatment

Types of comorbidity, t he simultaneous presence of two or more diseases or medical conditions in a patient.

And the quantity of concomitancy and comordity.

With those caracteristics it is possible classify if a future patient will use the drugs during the entire treatment or if they won’t.

So as u can see, selecting the classes of each caracteristics, it is possible to prdict their persistency of a drug.