# Week 7: Deliverables

**Team Details**

| Name | Email | Country | College/Company | Specialization |
|---|---|---|---|---|
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## Problem Statement

One of the challenges for all pharmaceutical companies is to understand the persistency of drug as per the physician prescription. To solve this problem ABC pharma company approached an analytics company to automate this process of identification. With an objective to gather insights on the factors that are impacting the persistency, it is necessary to build a classification for the given dataset, using the variable 'Persistency_Flag' as target variable and other attributes as prediction variables.

## Business Understanding

ABC it is a private pharma company. Due to the problem to the persistency of drug as per the physician prescription, a data science project is applied to predict the classification of 'Persistency_Flag' variable. In other words, based on the previously patient's characteristics it is possible to predict if futures patients will use the drugs during the role treatment or if they won't.

The object of this project is providing answer of the main questions made by the company's CEO, which are:

- What is the 'Persistency_Flag' classification for future patients?

**The answer for these questions is presented below**:

- A dashboard with several hypotheses and insights to help the company CEO with future decisions.

The tools used for this project are: Python 3.8, Jupyter Notebook, Google Colab.

**Project Lifecycle**
Two weeks—deadline (13/11/2022)

**Data Intake Report**
Name: Healthcare – Persistency of a drug
Report date: 11/12/2022
Internship Batch: LISUM11: 30
Version:<1.0>
Data intake by: Fabian Umeh, Rukevwe Ovuowo, and Olutayo Oladeinbo
Data intake reviewer: Group members
Data storage location: https://github.com/Fabian-Umeh/Healthcare-Drug-Persistency
Tabular data details:
Total number of observations: 3424
Total number of files: 1
Total number of features:69
Base format of the file: .csv
Size of the data: 898 KB