Week 7: Problem Understanding

Team Name:				
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Project Life Cycle

Tasks	**08/11/2021 Week 0**	**15/11/2021 Week 1**	**22/11/2021 Week 2**	**29/11/2021 Week 3**	**6/12/2021 Week 4**
Week 7					
Week 8					
Week 9					
Week 10					
Week 11					
Week 12					

Problem Description

ABC is a pharmaceutical business that wants to know the persistency of a drug after a physician has prescribed it for a patient. This company has approached an analytics firm to automate the identifying procedure. This analytics firm has entrusted our team with the task of developing a solution to automate the persistence of a medicine for the client ABC.

Business Understanding

One of the long-lasting business issues in the world of pharmaceutical companies is the persistency of drugs which can significantly affect the outcome of medical treatments. One of the important factors that is related to persistency is the adherence of the patient to the prescribed regimens, meaning if the patient is committed to the prescribed regimens or not. There is a lot of information about Non-Tuberculous Mycobacterial (NTM) infections. In fact, related studies show that around 50%-60% of the patients with different illnesses in US miss doses, take the wrong doses, or drop off treatment in the first year. (reference 1). Additionally, the illness, either chronic or acute can be related to the adherence and persistency of drugs.

ABC company also one of pharmaceutical companies, wants to know how long a medicine will last in a patient's system (persistency of a drug). Based on prescription data, the ABC corporation needs to determine whether a patient is persistent or not. ABC pharma would manufacture medicines in that number based on the persistency count so that they could operate their firm effectively and avoid the risks of NTM infections.

Data Intake Report

Name: Health care- Data Science Specialization
Report date: 5 November 2021
Internship Batch: LISUM04
Version:1.0
Data intake by: Seyedeh Marzieh Hosseini
Data intake reviewer: Bao Khanh Nguyen
Data storage location:

Tabular data details: https://github.com/Khanhbao8695/HealthCar_DS2021

Total number of observations	3424
Total number of files	1
Total number of features	69
Base format of the file	xlsx
Size of the data	898KB

GitHub Repository:

Project Link: https://github.com/Khanhbao8695/HealthCar_DS2021