



## **MEDICATION CARE**

proposed by Najla Bin-Melha

# **Medication care**

29 September 2021

## **OVERVIEW**

Medication care Pharmacy provides all medicines and health supplies related to medicines in terms of dosages, interactions, side effects, contraindications, precautions and care.

## **THEORETICAL FRAMEWORK**

Very crowded train station in New York with more than 7 million inside the station and 2 million outside in one day the train station is divided into different tracks, some of these stations have come under stress resulting in some of the tracks being reset at the busy stations from the less stressful stations. A problem arose as a result of this procedure, in the case of Shahad's: "Shahad" who suffers from a chronic heart disease and works in a new sector and an area far from her home and suffers from fatigue and stress and is still struggling to cope. With the new sector, you are more likely to make the mistake of forgetting and not taking medication with it.

How do we prevent this from happening? The Pharmaceutical Care Pharmacy will provide all the appropriate medicines and supplies and reduce the stress of not forgetting and taking medicine with Shahad.

## **QUESTION(S)/NEED**

Does the pharmacy speed up the process of giving the medication to the patient?  
Does the time reduce to look for pharmacy outside station?  
Does help passengers to find medicine as soon as possible?

## **SCOPE**

I will start with the dataset from MTA website to analysis data 3 months from 2 January 2021 to 27 March 2021 by using five fields (Station, Date, Time, Entries and Exits) and they have more than 18,872,010 observation.

## **OBJECTIVES**

1. Reducing the effort in searching for a pharmacy outside the train station Passengers entering and exiting.
2. Reducing the time in searching for a pharmacy for the entries and exits of passengers.

## **TOOLS**

### **Technology :**

1. Python
2. Jupyter Notebook
3. SQLite

### **Libraries :**

1. NumPy
2. Pandas
3. matplotlib

## **MVP GOAL**

We will situation pharmacy automation.