

≡ QUANTIC

an analytics company

WEEK 7 - DELIVERABLES

This project addresses a vital organizational problem, ensuring alignment with business goals. It is guided by a structured lifecycle with a clear deadline, while a comprehensive data intake report safeguards data quality and relevance.

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LISUM25



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About Us

Quantic is an analytics company that places a strong emphasis on healthcare. We are dedicated to the idea that data can be a catalyst for positive change in the healthcare industry. With a talented team of data scientists and analysts, our primary objective is to tackle complex healthcare challenges and enhance patient outcomes. Our distinctive approach combines state-of-the-art data analytics with deep healthcare sector knowledge to deliver actionable insights, fostering informed decisions and meaningful advancements in healthcare provision. At Quantic, we are committed to a future where healthcare is not only data-driven but also healthier and more efficient.

Our Team



Name	Email	Country	Institution	Specialization
Ansel Vallejo	msavg@hotmail.com	Japan	Flatiron School	Data Science

Overview



One of the persistent challenges faced by pharmaceutical companies lies in comprehending the duration of drug persistence as per physician prescriptions. To solve this problem, ABC Pharma Company recognized this issue and engaged Quantic to streamline and automate the identification process. By leveraging data analytics, the pharmaceutical company aimed to gain valuable insights into drug persistency patterns, ultimately enhancing their decision-making and ensuring better patient care. The collaboration between ABC Pharma and Quantic demonstrates a commitment to harnessing data-driven solutions to address critical industry challenges. Through this initiative, they strive to advance pharmaceutical practices and optimize patient outcomes.

Business Scope



The project scope entails the development of an automated system in collaboration with Quantic to analyze and identify drug persistency patterns within the pharmaceutical domain. This data-driven solution will enhance decision-making for ABC Pharma Company, ultimately leading to improved patient care and the advancement of pharmaceutical practices.

Data Intake Report

Name: *Healthcare_dataset*
Report date: *October 17th 2023*
Internship Batch: LISUM25
Version:1.0
Data intake by: Ansel Vallejo
Data intake reviewer: N/A
Data storage location: N/A

Tabular data details:

City

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	899 KB

Proposed Approach:

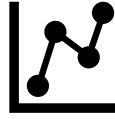
- Check data for any missing values.
- Remove any unnecessary data.
- Uniformed formatting.
- Check for duplication.

Problem Description



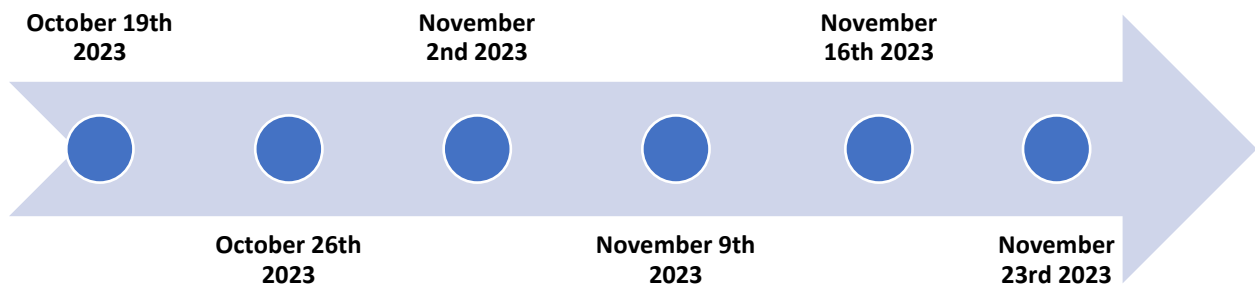
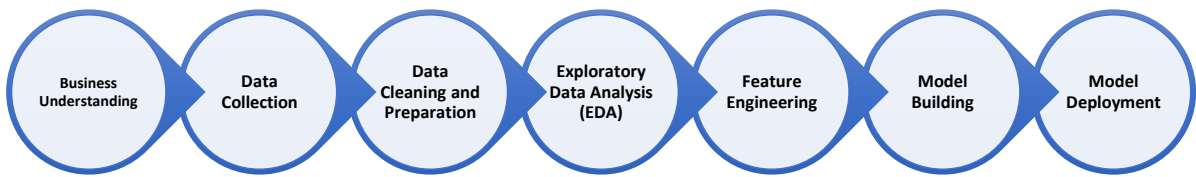
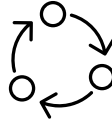
The problem at hand is the challenge pharmaceutical companies face in comprehending the duration of drug persistency based on physician prescriptions. Understanding how long patients adhere to prescribed drug regimens is essential for improving treatment efficacy, patient outcomes, and pharmaceutical practices. The lack of an efficient and automated system for identifying persistency patterns has been a persistent obstacle in achieving these objectives.

Business Understanding



The core of our business understanding lies in recognizing the critical relationship between patient adherence to prescribed drug regimens and the effectiveness of pharmaceutical treatments. In the pharmaceutical industry, the ability to comprehend and improve drug persistency is not only vital for patient care but also influences the success of pharmaceutical products and practices.

Project Lifecycle



Final Project Report
and Code

November 30th 2023

References

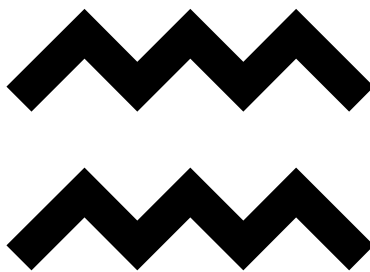


Github



https://github.com/anvadev/Healthcare-Drug_Persistence

End of Documentation



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