Project: Healthcare - Persistency of a drug

Week 9 Deliverables

Batch code: LISUM20

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Submission to: Data Glacier

Project Team:

Group Name: Ensemble Elites				
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Problem Description:

ABC Pharma is facing a significant challenge in understanding the persistency of drug usage as per physician prescriptions. The persistency of drug usage refers to the extent to which patients continue to take their prescribed medications over a specific period of time.

Currently, ABC Pharma Company relies on manual methods to track and analyze drug persistency. This involves reviewing patient records, conducting surveys, and relying on self-reporting, which can be time-consuming, prone to errors, and lack real-time insights.

To address this challenge, ABC Pharma Company has decided to approach an analytics company to automate the process of identifying drug persistency. The goal is to develop a data-driven solution that can accurately and efficiently track the usage

of prescribed medications by patients, enabling ABC Pharma Company to gain valuable insights into the patterns of medication adherence.

Data Cleansing and Transformation:

The data had no null values and duplicate values, therefore nothing was done about that. The outliers which were detected using box plots and the interquartile range method were dropped and a new shape of the data was gotten.

- There are no missing values in the dataset
- There are no duplicate values in the dataset
- Identified outliers are removed using the interquartile range method

GitHub Repo Link:

https://github.com/omalichazeezee/health_persistency_of_a_drug