LINK: <https://www.kaggle.com/datasets/kaggler2412/dementia-patient-health-and-prescriptions-dataset>

**About Dataset**

* **Diabetic (Binary)**: Indicates whether a patient has been diagnosed with diabetes (1 for yes, 0 for no).
* **Alcohol Level (Continuous)**: Measures the alcohol consumption level of patients, possibly reflecting lifestyle choices.
* **Heart Rate (Continuous)**: Denotes the number of heartbeats per minute, a critical indicator of cardiovascular health.
* **Blood Oxygen Level (Continuous)**: The saturation of oxygen in the blood, a vital sign of respiratory function.
* **Body Temperature (Continuous)**: The measured temperature of the body in Celsius, indicating potential fever or hypothermia.
* **Weight (Continuous)**: The mass of the patient in kilograms, a fundamental measure of health.
* **MRI Delay (Continuous)**: The time delay in obtaining an MRI scan, potentially indicative of the progression or severity of medical conditions.
* **Prescription**: The specific medication prescribed to the patient, relevant for treatment analysis.
* **Dosage in mg (Continuous)**: The amount of medication prescribed, critical for dosage-effect studies.
* **Age (Continuous)**: The age of the patient, an essential demographic factor.
* **Education\_Level**: The highest level of education attained by the patient, which may correlate with health literacy.
* **Dominant\_Hand**: Indicates the dominant hand of the patient, which could relate to neurological functions.
* **Gender**: The gender of the patient, a key demographic characteristic.
* **Family\_History**: Indicates a family history of dementia, a significant risk factor.
* **Smoking\_Status**: Reflects the patient's smoking habits, an important lifestyle indicator.
* **APOE\_ε4**: Shows the presence of the APOE ε4 allele, a genetic variant associated with Alzheimer's disease.
* **Physical\_Activity**: The level of physical activity of the patient, highlighting lifestyle impacts on health.
* **Depression\_Status**: Indicates whether the patient has depression, which can be related to cognitive health.
* **Cognitive\_Test\_Scores (Continuous)**: Scores from cognitive tests, direct measures of cognitive function.
* **Medication\_History**: Records whether the patient has a history of medication use, relevant for drug interactions.
* **Nutrition\_Diet**: Describes the patient's diet, an important health factor.
* **Sleep\_Quality**: Assesses the quality of the patient's sleep, a critical aspect of health.
* **Chronic\_Health\_Conditions**: Notes any chronic health conditions the patient has, key for comorbidity studies.
* **Dementia (Binary)**: Serves as the target variable, indicating the presence (1) or absence (0) of dementia.
* This dataset serves as a rich source for analysis, providing a multifaceted view of factors that may contribute to the onset and progression of dementia. It is a valuable resource for researchers looking to explore the complex interplay between lifestyle, genetics, and health outcomes. From PUBMED, Online research sources, NHS, Google scholar and consultation with healthcare professionals.