

Date	20June2024
TeamID	740041
ProjectTitle	Mentalhealthprediction
MaximumMarks	2Marks

Section	Description
ProjectOverview	<p>Themachinelearningprojectaimstopredictmentalhealth outcomesbasedonpersonalanddemographicinformation. Usingadatasetwithfeaturesuchas employmentstatus,mentalhealthhistory,andlifestyle factors,theobjectiveistobuildamodelt predictsmentalhealthstatus(e.g.,presenceofmentalhealth condition,severity).Thiswillfacilitateearlyinterventionand personalizedtreatmentplanning.</p>
DataCollectionPlan	<p>-Searchfordatasetsrelatedtomentalhealthassessments, psychologicalsurveys,anddemographicdetails.&lt;br&gt;Prioritizedatasetswithdiversedemograp includingage,gender,employmentstatus,andlifestyle factors..</p>

RawDataSources Identified	The raw data sources for this project included datasets obtained from mental health surveys and research studies, Kaggle, UCIMachine Learning Repository, and public health databases. The provided sampled data represents a subset of the collected information, encompassing variables such as age, gender, employment status, mental health history, and lifestyle factors for machine learning.
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### Data Collection and Preprocessing Phase

Data Collection Plan & Raw Data Sources Identification Report:

Identify and gather clinical records, surveys, behavioral data, public datasets, and research studies. Ensure ethical compliance and data quality throughout the process.

DataCollectionPlan:

RawDataSourcesReport:

Source Name	Description	Location/URL	Format	Size	Access Permissions
Kaggle Dataset	The dataset comprises personal details (age, gender, employment status), mental health metrics (survey responses, diagnoses), and lifestyle factors (exercise frequency, sleep patterns).	<a href="https://www.kaggle.com/datasets/osmi/mental-health-in-tech-survey">https://www.kaggle.com/datasets/osmi/mental-health-in-tech-survey</a>	CSV	TBD	Public