



## ${\tt Data Collection} and {\tt Preprocessing Phase}$

Date	15June2024
TeamID	740041
ProjectTitle	
	Mentalhealthprediction
MaximumMarks	6Marks

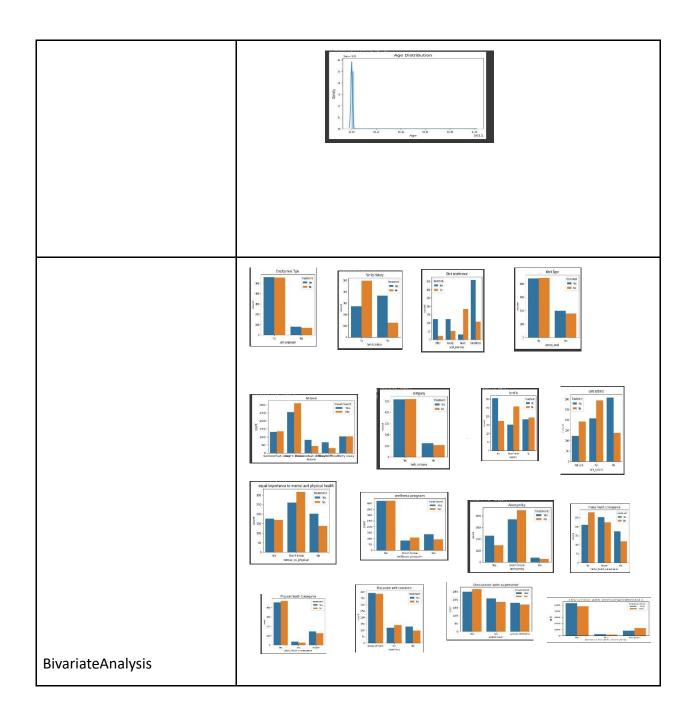
 ${\bf Data Exploration and Preprocessing Report}$ 

Dataexploration formental health prediction involves an alyzing and understanding datasets to identify patterns and correlations relevant to mental health factors. Preprocessing includes cleaning data, handling missing values, and transforming variables to prepare for predictive modeling and analysis.

Section	Description						
	<u>Dimension</u> : 5rows*27columns						
	<u>Descriptivestatistics</u>						
	Timestamp Age Gender Country state self_employed family_history treatment work_interfere no_employees leave mental_health_consequence phys_hea						
	0 27 37 Female United IL NaN No Yes Often 6-25 Somewhat No 11:29:31						
	2014-08- United IN NaN No No Rarely Morethan Don't Maybe 1 27 44 M States IN NaN No No Rarely 1000 know Maybe 11:29:37						
	2014-08. 2 27 32 Male Canada NaN NaN No No Rarely 6-25 difficult No 11:29-44						
	2014-08. United NaN NaN Yes Yes Often 26-100 difficult Yes 3 27 31 Male Kingdom NaN NaN Yes Yes Often 26-100 difficult Yes 11:29-46						
	2014-08- 4 27 31 Male United TX NaN No No Never 100-500 Don't No 11:30-22						
Data	5 rows × 27 columns						
Data	·						
Overview							
Univariate Analysis							











MultivariateAnalysis													
OutliersandAnomalies	-												
DataPreprocessingCo	eScr	een	sho	ts									
		data - pd.		"/conter	nt/survey.	esv")							
	Ð		anp Age			state self	_employed famil	y_history tre No	atment work	_interfere no Often	_employees .		ntal_health_consequence phys_hea
			08- 27 44 9:37								More than 1000	Don't know	Maybe
			-08- 27 32 244									Somewhat difficult	No
		2014 3 11:29 2014 4 11:30	27 31 0:46 -08 -27 31		United Kingdom United States						26-100 100-500	Somewhat difficult  Don't know	Yes No
		11:30 5 rows × 27		Male	States	1.8	NaN	NO	No	Never	100-500	know	NO
LoadingData													





	data.ismult().sum()  Timestump 0 Age 0 Gender 0 Country 0 State 515 sulf employed 18 family_listary 0 tone, latertere 264 so, employees 264 rende_pork rende_pork rende_pork tech_company 0 benefits 0 core, options 0 sulless_progrom 0 seek_belp 0 anonymity 1 leave mantal_boalth_consequence 0 plys_health_consequence 0 plys_health_consequence 0 mutal_boalth_interview 0 mut
HandlingMissingData	
DataTransformation	
FeatureEngineering	Attached the codes in final submission.
SaveProcessedData	_