



# Mental - 2024 : Bert

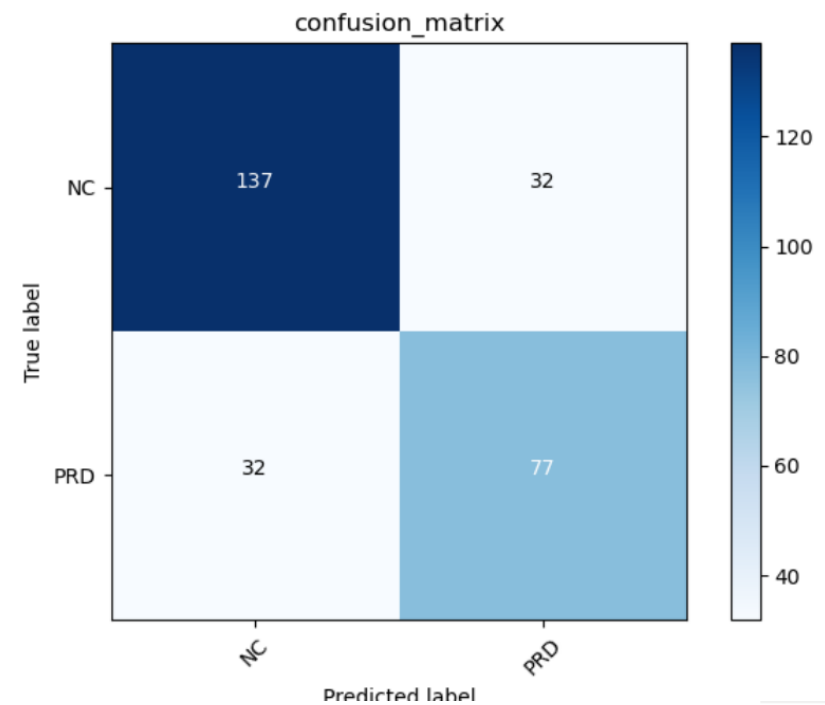
FEATURE ENGINEERING





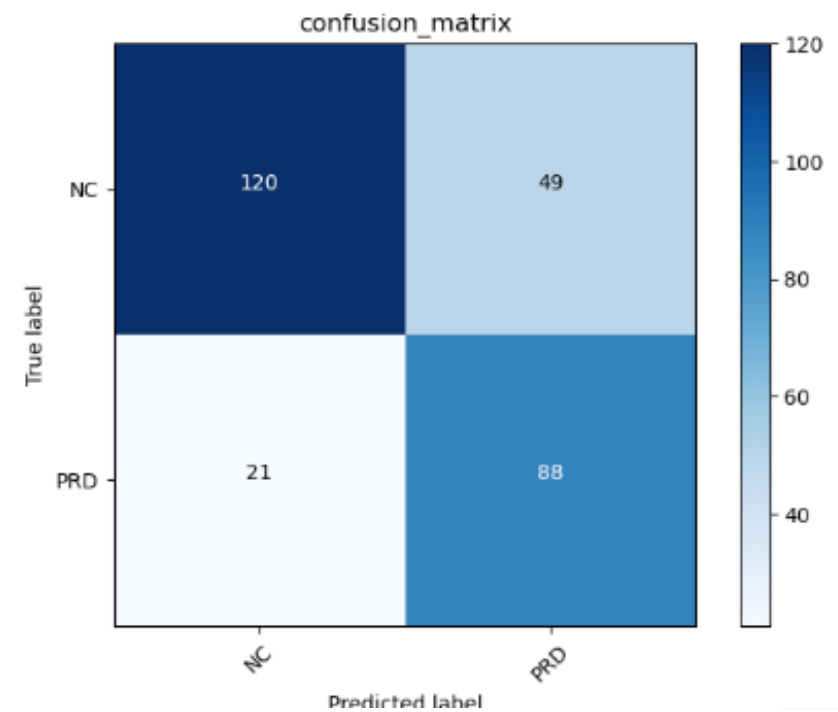
# All Feature

	precision	recall	f1-score	support
0	0.81	0.81	0.81	169
1	0.71	0.71	0.71	109
accuracy			0.77	278
macro avg	0.76	0.76	0.76	278
weighted avg	0.77	0.77	0.77	278



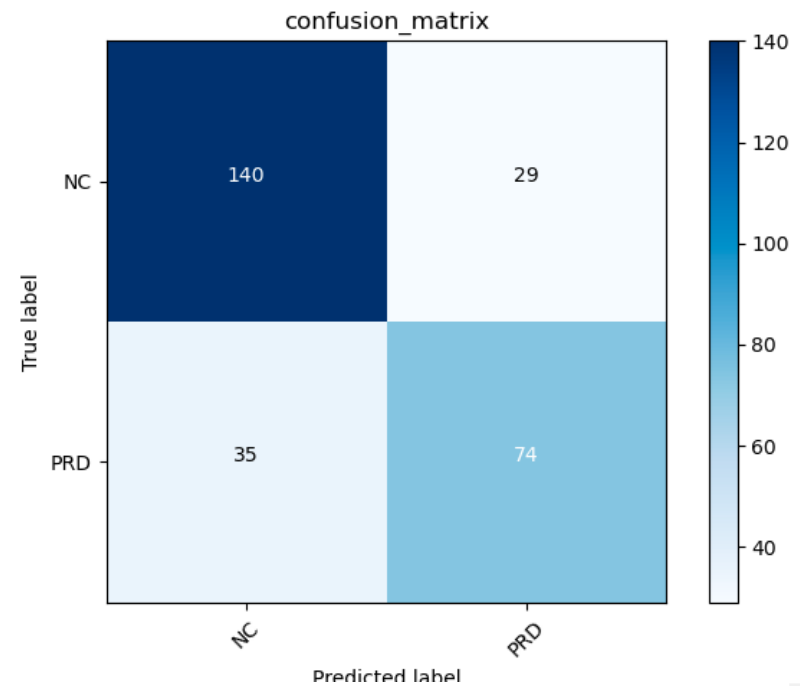
# Age

	precision	recall	f1-score	support
0	0.85	0.71	0.77	169
1	0.64	0.81	0.72	109
accuracy			0.75	278
macro avg	0.75	0.76	0.74	278
weighted avg	0.77	0.75	0.75	278



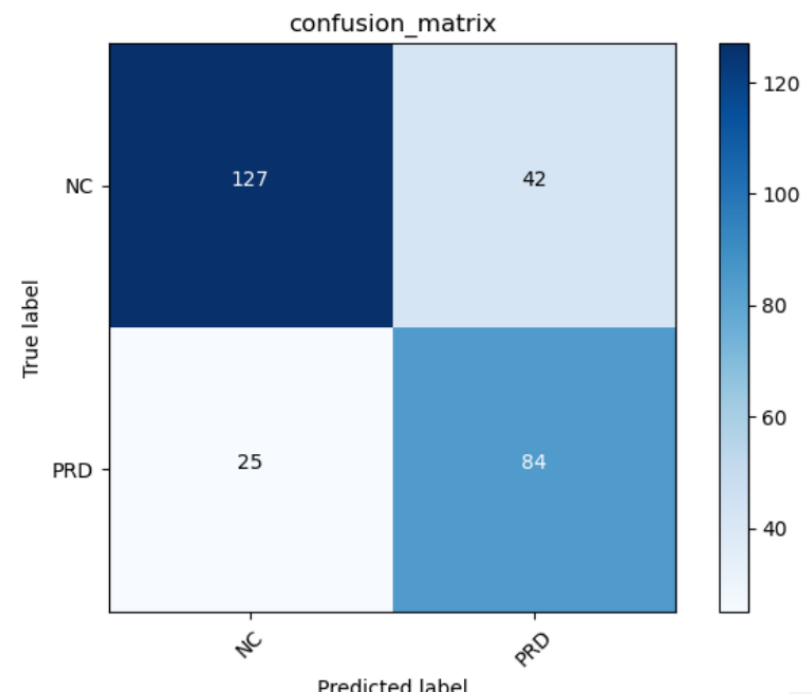
# Daily Living

	precision	recall	f1-score	support
0	0.80	0.83	0.81	169
1	0.72	0.68	0.70	109
accuracy			0.77	278
macro avg	0.76	0.75	0.76	278
weighted avg	0.77	0.77	0.77	278



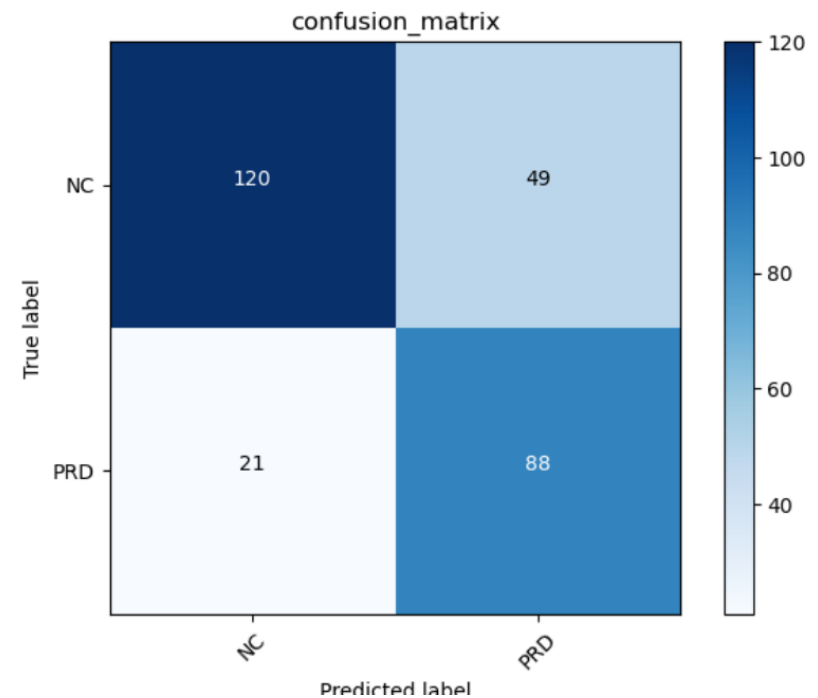
# Gender

	precision	recall	f1-score	support
0	0.84	0.75	0.79	169
1	0.67	0.77	0.71	109
accuracy			0.76	278
macro avg	0.75	0.76	0.75	278
weighted avg	0.77	0.76	0.76	278



# Home and Hobbies

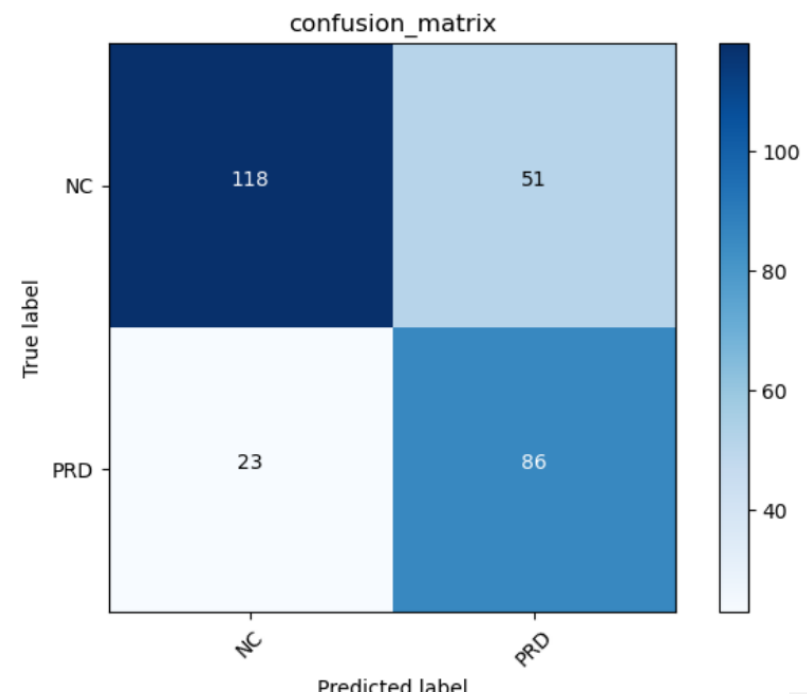
	precision	recall	f1-score	support
0	0.83	0.76	0.79	169
1	0.67	0.75	0.71	109
accuracy			0.76	278
macro avg	0.75	0.75	0.75	278
weighted avg	0.76	0.76	0.76	278





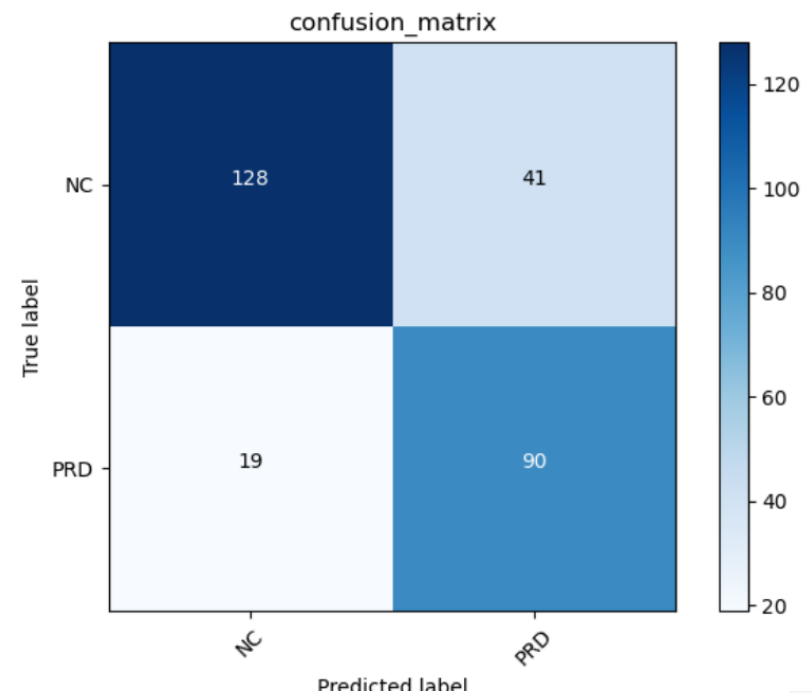
# Judgment and Problem Solving

	precision	recall	f1-score	support
0	0.81	0.80	0.81	169
1	0.70	0.72	0.71	109
accuracy			0.77	278
macro avg	0.75	0.76	0.76	278
weighted avg	0.77	0.77	0.77	278



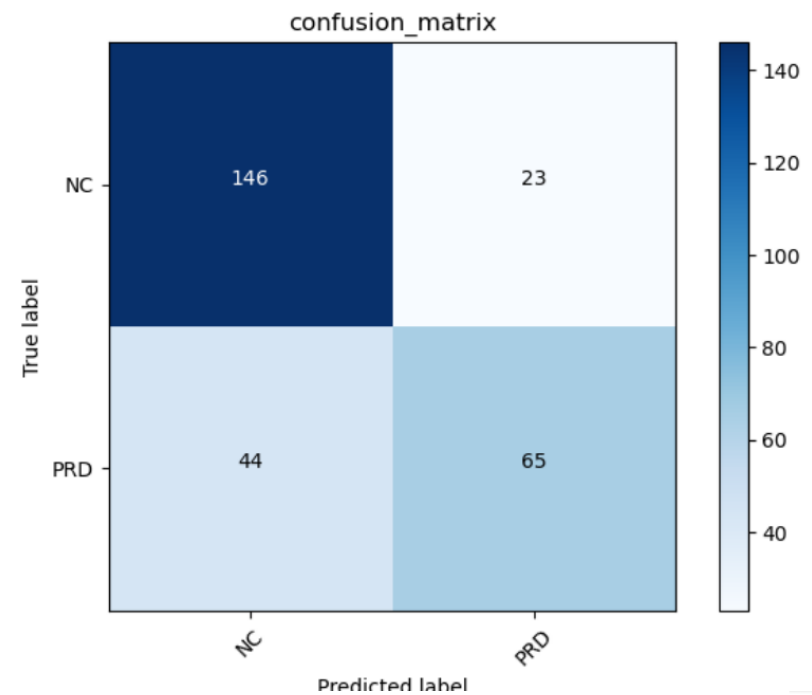
# Language

	precision	recall	f1-score	support
0	0.87	0.76	0.81	169
1	0.69	0.83	0.75	109
accuracy			0.78	278
macro avg	0.78	0.79	0.78	278
weighted avg	0.80	0.78	0.79	278



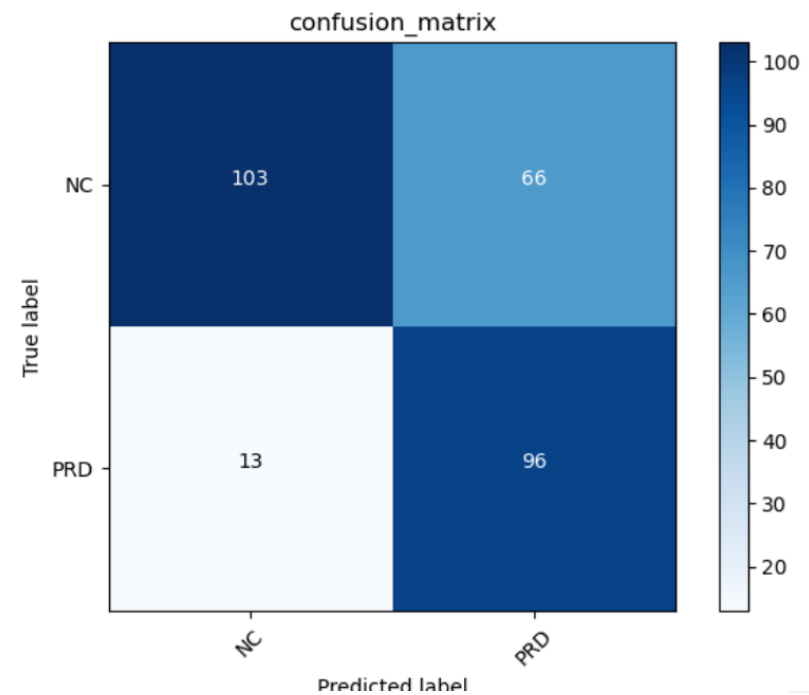
# Main Complaints

	precision	recall	f1-score	support
0	0.77	0.86	0.81	169
1	0.74	0.60	0.66	109
accuracy			0.76	278
macro avg	0.75	0.73	0.74	278
weighted avg	0.76	0.76	0.75	278



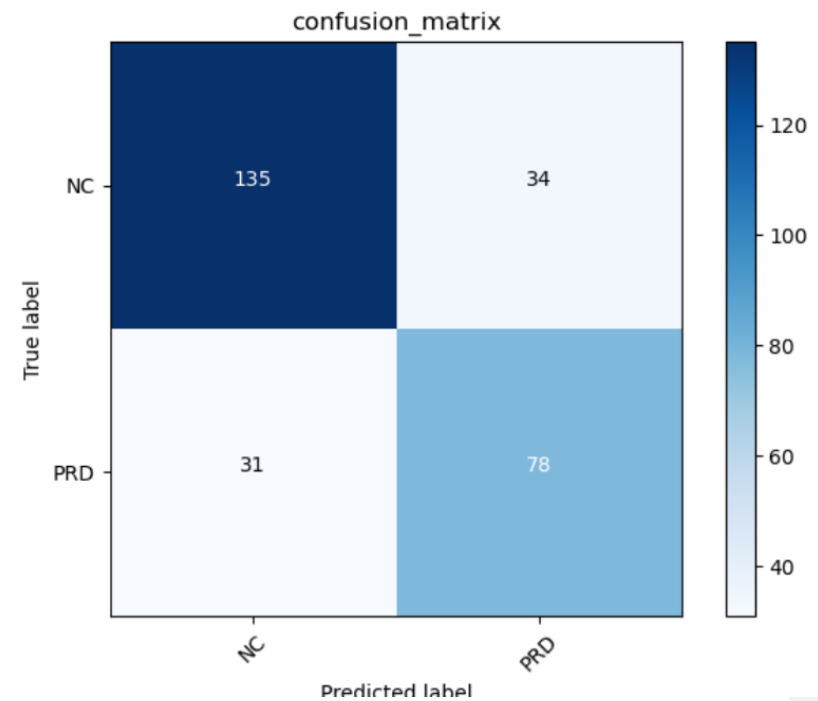
# Memory

	precision	recall	f1-score	support
0	0.89	0.61	0.72	169
1	0.59	0.88	0.71	109
accuracy			0.72	278
macro avg	0.74	0.75	0.72	278
weighted avg	0.77	0.72	0.72	278



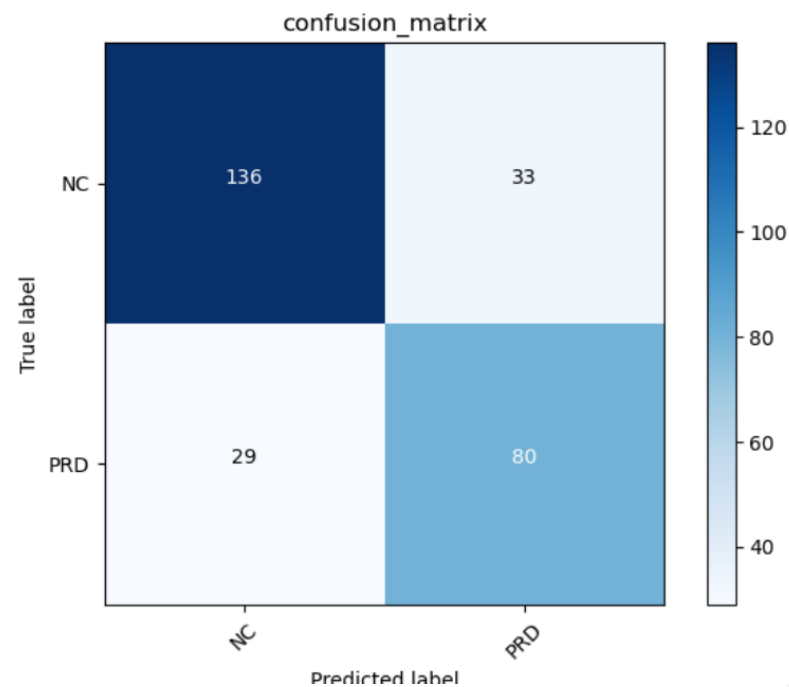
# Orientation

	precision	recall	f1-score	support
0	0.81	0.80	0.81	169
1	0.70	0.72	0.71	109
accuracy			0.77	278
macro avg	0.75	0.76	0.76	278
weighted avg	0.77	0.77	0.77	278



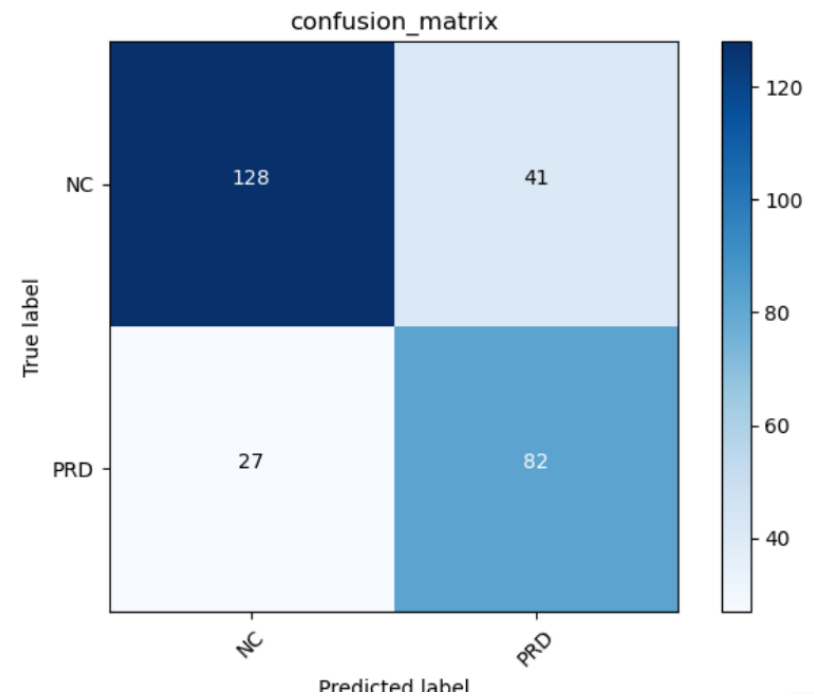
# Personality and Behavior

	precision	recall	f1-score	support
0	0.82	0.80	0.81	169
1	0.71	0.73	0.72	109
accuracy			0.78	278
macro avg	0.77	0.77	0.77	278
weighted avg	0.78	0.78	0.78	278



# Social Activity

	precision	recall	f1-score	support
0	0.83	0.76	0.79	169
1	0.67	0.75	0.71	109
accuracy			0.76	278
macro avg	0.75	0.75	0.75	278
weighted avg	0.76	0.76	0.76	278



A thick dark gray horizontal bar spans the top of the slide. In the top-left corner, there is a light gray quarter-circle and a small rectangle with horizontal lines. In the bottom-right corner, there is a light gray quarter-circle and a small rectangle with horizontal lines. A thick dark gray horizontal bar spans the bottom of the slide.

# Full dataset



	Precision(NC)	Precision(PRD)	Recall(NC)	Recall(PRD)	F1-Score(NC)	F1-Score(PRD)	Accuracy	Support
All_Feature	0.81	0.71	0.81	0.71	0.81	0.71	0.77	169/109
Age	0.85	0.64	0.71	0.81	0.77	0.72	0.75	
Daily Living	0.80	0.72	0.83	0.68	0.81	0.70	0.77	
Gender	0.84	0.67	0.75	0.77	0.79	0.71	0.76	
Home And Hobbies	0.85	0.64	0.71	0.81	0.77	0.72	0.75	
Judgement and Problem Solving	0.84	0.63	0.70	0.79	0.76	0.70	0.73	
Language	0.87	0.69	0.76	0.83	0.81	0.75	0.78	
Main Complaints	0.77	0.74	0.86	0.60	0.81	0.66	0.76	
Memory	0.89	0.59	0.61	0.88	0.72	0.71	0.72	
Orientation	0.81	0.70	0.80	0.72	0.81	0.71	0.77	
Personality and Behavior	0.82	0.71	0.80	0.73	0.81	0.72	0.78	
Social Activity	0.83	0.67	0.76	0.75	0.79	0.71	0.75	

# Language + Personality and Behavior

	precision	recall	f1-score	support
0	0.80	0.81	0.80	169
1	0.70	0.68	0.69	109
accuracy			0.76	278
macro avg	0.75	0.74	0.75	278
weighted avg	0.76	0.76	0.76	278

