LSTM - Tanh

Fold 1 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	79	11	4	0	33	127	79	48	54	128	0.5940	0.622	0.6077	0.6699
Suicidal Ideation	2	52	0	0	1	55	52	3	22	232	0.7027	0.9455	0.8062	0.9191
Guilty feeling	0	0	18	0	0	18	18	0	11	280	0.6207	1	0.766	0.9644
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	52	11	7	2	33	105	33	72	34	170	0.4925	0.3143	0.3837	0.657
Total	133	74	29	6	67	309	186	123	123	1113				

Macro AVG Precision 0.6153 · Macro AVG Recall 0.77636 · Macro AVG F1 0.6727 · Macro AVG acc 0.8408 · Macro F1-Score 0.6865

Fold 2 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	83	4	0	1	39	127	83	44	72	110	0.5355	0.6535	0.5886	0.6246
Suicidal Ideation	0	55	0	0	0	55	55	0	8	246	0.8730	1	0.9322	0.9741
Guilty feeling	0	0	18	0	0	18	18	0	0	291	1.0000	1	1	0.9968
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	72	4	0	0	29	105	29	76	39	165	0.4265	0.2762	0.3353	0.6278
Total	155	63	18	5	68	309	189	120	120	1116				

Macro AVG Precision 0.7270 · Macro AVG Recall 0.78594 · Macro AVG F1 0.749 · Macro AVG acc 0.8447 · Macro F1-Score 0.7553

Fold 3 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	56	33	5	2	31	127	56	71	38	144	0.5957	0.4409	0.5067	0.6472
Suicidal Ideation	0	55	0	0	0	55	55	0	64	190	0.4622	1	0.6322	0.7929
Guilty feeling	0	0	18	0	0	18	18	0	9	282	0.6667	1	0.8	0.9709
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	38	31	4	0	32	105	32	73	31	173	0.5079	0.3048	0.381	0.6634
Total	94	119	27	6	63	309	165	144	144	1092				

Macro AVG Precision 0.5798 · Macro AVG Recall 0.74914 · Macro AVG F1 0.624 · Macro AVG acc 0.8136 · Macro F1-Score 0.6537

Fold 4 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	76	20	4	2	25	127	76	51	62	120	0.5507	0.5984	0.5736	0.6343
Suicidal Ideation	0	55	0	0	0	55	55	0	28	226	0.6627	1	0.7971	0.9094
Guilty feeling	0	0	18	0	0	18	18	0	15	276	0.5455	1	0.7059	0.9515
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	62	8	11	0	24	105	24	81	25	179	0.4898	0.2286	0.3117	0.657
Total	138	83	33	6	49	309	177	132	132	1104				

Macro AVG Precision 0.5831 · Macro AVG Recall 0.7654 · Macro AVG F1 0.6377 · Macro AVG acc 0.8291 · Macro F1-Score 0.6619

Fold 5 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	43	42	1	3	38	127	43	84	35	147	0.5513	0.3386	0.4195	0.6149
Suicidal Ideation	1	54	0	0	0	55	54	1	75	179	0.4186	0.9818	0.5869	0.754
Guilty feeling	0	0	17	0	1	18	17	1	6	285	0.7391	0.9444	0.8292	0.9773
Sleep problems	0	0	0	4	0	4	4	0	3	302	0.5714	1	0.7272	0.9903
Other	34	33	5	0	33	105	33	72	39	165	0.4583	0.3143	0.3729	0.6408
Total	78	129	23	7	72	309	151	158	158	1078				

Macro AVG Precision 0.5477 · Macro AVG Recall 0.71582 · Macro AVG F1 0.5871 · Macro AVG acc 0.7955 · Macro F1-Score 0.6206

Fold 6 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	23	23	14	4	63	127	23	104	13	169	0.6389	0.1811	0.2822	0.6214
Suicidal Ideation	2	50	1	0	2	55	50	5	31	223	0.6173	0.9091	0.7353	0.8835
Guilty feeling	0	0	17	0	1	18	17	1	25	266	0.4048	0.9444	0.5667	0.9159
Sleep problems	0	0	0	4	0	4	4	0	5	300	0.4444	1	0.6153	0.9838
Other	11	8	10	1	75	105	75	30	66	138	0.5319	0.7143	0.6098	0.6893
Total	36	81	42	9	141	309	169	140	140	1096				

Macro AVG Precision 0.5275 · Macro AVG Recall 0.74978 · Macro AVG F1 0.5619 · Macro AVG acc 0.8188 · Macro F1-Score 0.6193

Fold 7 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	21	51	26	3	26	127	21	106	27	155	0.4375	0.1654	0.24	0.5696
Suicidal Ideation	1	54	0	0	0	55	54	1	68	186	0.4426	0.9818	0.6101	0.7767
Guilty feeling	1	0	12	0	5	18	12	6	51	240	0.1905	0.6667	0.2963	0.8155
Sleep problems	0	0	0	4	0	4	4	0	6	299	0.4000	1	0.5714	0.9806
Other	25	17	25	3	35	105	35	70	31	173	0.5303	0.3333	0.4093	0.6731
Total	48	122	63	10	66	309	126	183	183	1053				

Macro AVG Precision 0.4002 · Macro AVG Recall 0.62944 · Macro AVG F1 0.4254 · Macro AVG acc 0.7631 · Macro F1-Score 0.4893

Fold 8 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	26	25	6	1	69	127	26	101	28	154	0.4815	0.2047	0.2873	0.5825
Suicidal Ideation	9	36	2	0	8	55	36	19	31	223	0.5373	0.6545	0.5901	0.8382
Guilty feeling	2	0	12	0	4	18	12	6	13	278	0.4800	0.6667	0.5582	0.9385
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	17	6	5	0	77	105	77	28	81	123	0.4873	0.7333	0.5855	0.6472
Total	54	67	25	5	158	309	155	154	154	1082				

Macro AVG Precision 0.5572 · Macro AVG Recall 0.65184 · Macro AVG F1 0.582 · Macro AVG acc 0.8006 · Macro F1-Score 0.6008

Fold 9 — Predicted - Tanh

Actual Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	66	23	5	0	33	127	66	61	48	134	0.5789	0.5197	0.5477	0.6472
Suicidal Ideation	13	36	0	0	6	55	36	19	43	211	0.4557	0.6545	0.5373	0.7994
Guilty feeling	0	0	15	0	3	18	15	3	7	284	0.6818	0.8333	0.75	0.9676
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	35	20	2	0	48	105	48	57	42	162	0.5333	0.4571	0.4923	0.6796
Total	114	79	22	4	90	309	169	140	140	1096				

Macro AVG

	Macro AVG F1		Macro AVG Precision		Macro AVG Recall		Macro AVG Accuracy	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.6727	0.8336	0.6153	0.8023	0.77636	0.87518	0.8408	0.9133
Fold 2	0.749	0.8001	0.7270	0.7854	0.78594	0.84282	0.8447	0.877
Fold 3	0.624	0.8493	0.5798	0.8487	0.74914	0.86262	0.8136	0.8939
Fold 4	0.6377	0.8078	0.5831	0.7924	0.7654	0.8631	0.8291	0.8913
Fold 5	0.5871	0.7483	0.5477	0.6995	0.71582	0.82154	0.7955	0.8679
Fold 6	0.5619	0.8344	0.5275	0.8142	0.74978	0.87976	0.8188	0.9055
Fold 7	0.4254	0.8239	0.4002	0.8128	0.62944	0.85938	0.7631	0.8913
Fold 8	0.582	0.8336	0.5572	0.8023	0.65184	0.87518	0.8006	0.9133
Fold 9	0.6655	0.7874	0.6499	0.7801	0.69292	0.81368	0.8188	0.8692
Fold 10	0.5975	0.7871	0.5484	0.7595	0.70838	0.83112	0.8119	0.8947
AVG.	0.6103	0.8106	0.5736	0.7897	0.7225	0.8524	0.8137	0.8917

F1 Score / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.6077	0.7404	0.8062	0.8099	0.766	0.9474	0.8	0.8889	0.3837	0.7814
Fold 2	0.5886	0.5419	0.9322	0.9483	1	0.973	0.8889	0.8889	0.3353	0.6483
Fold 3	0.5067	0.6422	0.6322	0.9232	0.8	1	0.8	0.8889	0.381	0.6723
Fold 4	0.5736	0.5816	0.7971	0.9016	0.7059	0.9474	0.8	0.8889	0.3117	0.7194
Fold 5	0.4195	0.6148	0.5869	0.9091	0.8292	0.878	0.7272	0.8	0.3729	0.5397
Fold 6	0.2822	0.6667	0.7353	0.9016	0.5667	0.973	0.6153	0.8889	0.6098	0.7417
Fold 7	0.24	0.6087	0.6101	0.871	0.2963	0.9231	0.5714	1	0.4093	0.7166
Fold 8	0.2873	0.7404	0.5901	0.8099	0.5582	0.9474	0.8889	0.8889	0.5855	0.7814
Fold 9	0.5477	0.5909	0.5373	0.7536	0.75	0.9444	1	1	0.4923	0.6481
Fold 10	0.5126	0.6831	0.7068	0.9044	0.7118	0.8696	0.7272	0.8	0.3291	0.6786
AVG.	0.4566	0.6411	0.6934	0.8742	0.6984	0.9403	0.7819	0.9045	0.4211	0.6928

Precision / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.5940	0.8056	0.7027	0.7424	0.6207	0.9000	0.6667	0.8000	0.4925	0.7636
Fold 2	0.5355	0.7237	0.8730	0.9016	1.0000	0.9474	0.8000	0.8000	0.4265	0.5541
Fold 3	0.5957	0.7692	0.4622	0.8730	0.6667	1.0000	0.6667	1.0000	0.5079	0.6015
Fold 4	0.5507	0.8261	0.6627	0.8209	0.5455	0.9000	0.6667	0.8000	0.4898	0.6149
Fold 5	0.5513	0.6077	0.4186	0.8333	0.7391	0.7826	0.5714	0.6667	0.4583	0.6071
Fold 6	0.6389	0.8434	0.6173	0.8209	0.4048	0.9474	0.4444	0.8000	0.5319	0.6593
Fold 7	0.4375	0.7875	0.4426	0.7826	0.1905	0.8571	0.4000	1.0000	0.5303	0.6370
Fold 8	0.4815	0.8056	0.5373	0.7424	0.4800	0.9000	0.8000	0.8000	0.4873	0.7636
Fold 9	0.5789	0.6989	0.4557	0.6265	0.6818	0.9444	1.0000	1.0000	0.5333	0.6306
Fold 10	0.4863	0.7411	0.6104	0.8814	0.5833	0.8696	0.5714	0.6667	0.4906	0.6387
AVG.	0.5450	0.7609	0.5783	0.8025	0.5912	0.9049	0.6587	0.8333	0.4948	0.6470

Recall / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.622	0.685	0.9455	0.8909	1	1		1	0.3143	0.8
Fold 2	0.6535	0.4331	1	1	1	1		1	0.2762	0.781
Fold 3	0.4409	0.5512	1	1	1	1		1	0.3048	0.7619
Fold 4	0.5984	0.4488	1	1	1	1		1	0.2286	0.8667
Fold 5	0.3386	0.622	0.9818	1	0.9444	1		1	0.3143	0.4857
Fold 6	0.1811	0.5512	0.9091	1	0.9444	1		1	0.7143	0.8476
Fold 7	0.1654	0.4961	0.9818	0.9818	0.6667	1		1	0.3333	0.819
Fold 8	0.2047	0.685	0.6545	0.8909	0.6667	1		1	0.7333	0.8
Fold 9	0.5197	0.5118	0.6545	0.9455	0.8333	0.9444		1	0.4571	0.6667
Fold 10	0.542	0.6336	0.8393	0.9286	0.913	0.8696		1	0.2476	0.7238
AVG.	0.4266	0.5618	0.8967	0.9638	0.8969	0.9814	1.0000	1.0000	0.3924	0.7552

Accuracy / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.6699	0.8026	0.9191	0.9256	0.9644	0.9935	0.9935	0.9968	0.657	0.8479
Fold 2	0.6246	0.699	0.9741	0.9806	1	0.9968	0.9968	0.9968	0.6278	0.712
Fold 3	0.6472	0.7476	0.7929	0.9741	0.9709	1	0.9935	1	0.6634	0.7476
Fold 4	0.6343	0.7346	0.9094	0.9612	0.9515	0.9935	0.9935	0.9968	0.657	0.7702
Fold 5	0.6149	0.6796	0.754	0.9644	0.9773	0.9838	0.9903	0.9935	0.6408	0.7184
Fold 6	0.6214	0.7735	0.8835	0.9612	0.9159	0.9968	0.9838	0.9968	0.6893	0.7994
Fold 7	0.5696	0.7379	0.7767	0.9482	0.8155	0.9903	0.9806	0.9935	0.6731	0.7799
Fold 8	0.5825	0.8026	0.8382	0.9256	0.9385	0.9935	0.9968	0.9968	0.6472	0.8479
Fold 9	0.6472	0.7087	0.7994	0.89	0.9676	0.9935	1	1	0.6796	0.754
Fold 10	0.5768	0.7586	0.8777	0.9655	0.9467	0.9812	0.9906	0.9937	0.6677	0.7743
AVG.	0.6188	0.7445	0.8525	0.9496	0.9448	0.9923	0.9919	0.9971	0.6603	0.7752

		Macro AVG Precision	0.6499	Macro AVG Recall	0.69292	Macro AVG F1	0.6655	Macro AVG acc	0.8188
		Macro F1-Score	0.6707						

Fold 10 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	71	22	12	0	26	131	71	60	75	113	0.4863	0.542	0.5126	0.5768
Suicidal Ideation	7	47	2	0	0	56	47	9	30	233	0.6104	0.8393	0.7068	0.8777
Guilty feeling	1	0	21	0	1	23	21	2	15	281	0.5833	0.913	0.7118	0.9467
Sleep problems	0	0	0	4	0	4	4	0	3	312	0.5714	1	0.7272	0.9906
Other	67	8	1	3	26	105	26	79	27	187	0.4906	0.2476	0.3291	0.6677
Total	146	77	36	7	53	319	169	150	150	1126				

		Macro AVG Precision	0.5484	Macro AVG Recall	0.70838	Macro AVG F1	0.5975	Macro AVG acc	0.8119
		Macro F1-Score	0.6182						

LSTM - ReLU

Fold 1 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	87	13	1	1	25	127	87	40	21	161	0.8056	0.685	0.7404	0.8026
Suicidal Ideation	5	49	0	0	1	55	49	6	17	237	0.7424	0.8909	0.8099	0.9256
Guilty feeling	0	0	18	0	0	18	18	0	2	289	0.9000	1	0.9474	0.9935
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	16	4	1	0	84	105	84	21	26	178	0.7636	0.8	0.7814	0.8479
Total	108	66	20	5	110	309	242	67	67	1169				

		Macro AVG Precision	0.8023	Macro AVG Recall	0.87518	Macro AVG F1	0.8336	Macro AVG acc	0.9133
		Macro F1-Score	0.8372						

Fold 2 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	55	4	1	1	66	127	55	72	21	161	0.7237	0.4331	0.5419	0.699
Suicidal Ideation	0	55	0	0	0	55	55	0	6	248	0.9016	1	0.9483	0.9806
Guilty feeling	0	0	18	0	0	18	18	0	1	290	0.9474	1	0.973	0.9968
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	21	2	0	0	82	105	82	23	66	138	0.5541	0.781	0.6483	0.712
Total	76	61	19	5	148	309	214	95	95	1141				

		Macro AVG Precision	0.7854	Macro AVG Recall	0.84282	Macro AVG F1	0.8001	Macro AVG acc	0.877
		Macro F1-Score	0.8131						

Fold 3 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	70	4	0	0	53	127	70	57	21	161	0.7692	0.5512	0.6422	0.7476
Suicidal Ideation	0	55	0	0	0	55	55	0	8	246	0.8730	1	0.9322	0.9741
Guilty feeling	0	0	18	0	0	18	18	0	0	291	1.0000	1	1	1
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	21	4	0	0	80	105	80	25	53	151	0.6015	0.7619	0.6723	0.7476
Total	91	63	18	4	133	309	227	82	82	1154				

		Macro AVG Precision	0.8487	Macro AVG Recall	0.86262	Macro AVG F1	0.8493	Macro AVG acc	0.8939
		Macro F1-Score	0.8556						

Fold 4 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	57	10	2	1	57	127	57	70	12	170	0.8261	0.4488	0.5816	0.7346
Suicidal Ideation	0	55	0	0	0	55	55	0	12	242	0.8209	1	0.9016	0.9612
Guilty feeling	0	0	18	0	0	18	18	0	2	289	0.9000	1	0.9474	0.9935
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	12	2	0	0	91	105	91	14	57	147	0.6149	0.8667	0.7194	0.7702
Total	69	67	20	5	148	309	225	84	84	1152				

		Macro AVG Precision	0.7924	Macro AVG Recall	0.8631	Macro AVG F1	0.8078	Macro AVG acc	0.8913
		Macro F1-Score	0.8262						

Fold 5 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	79	11	2	2	33	127	79	48	51	131	0.6077	0.622	0.6148	0.6796
Suicidal Ideation	0	55	0	0	0	55	55	0	11	243	0.8333	1	0.9091	0.9644
Guilty feeling	0	0	18	0	0	18	18	0	5	286	0.7826	1	0.878	0.9838
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	51	0	3	0	51	105	51	54	33	171	0.6071	0.4857	0.5397	0.7184
Total	130	66	23	6	84	309	207	102	102	1134				

		Macro AVG Precision	0.6995	Macro AVG Recall	0.82154	Macro AVG F1	0.7483	Macro AVG acc	0.8679
		Macro F1-Score	0.7556						

Fold 6 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	70	10	0	1	46	127	70	57	13	169	0.8434	0.5512	0.6667	0.7735
Suicidal Ideation	0	55	0	0	0	55	55	0	12	242	0.8209	1	0.9016	0.9612
Guilty feeling	0	0	18	0	0	18	18	0	1	290	0.9474	1	0.973	0.9968
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	13	2	1	0	89	105	89	16	46	158	0.6593	0.8476	0.7417	0.7994
Total	83	67	19	5	135	309	236	73	73	1163				

		Macro AVG Precision	0.8142	Macro AVG Recall	0.87976	Macro AVG F1	0.8344	Macro AVG acc	0.9055
		Macro F1-Score	0.8457						

Fold 7 — Predicted - ReLu

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	63	15	1	0	48	127	63	64	17	165	0.7875	0.4961	0.6087	0.7379
Suicidal Ideation	0	54	0	0	1	55	54	1	15	239	0.7826	0.9818	0.871	0.9482
Guilty feeling	0	0	18	0	0	18	18	0	3	288	0.8571	1	0.9231	0.9903
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	17	0	2	0	86	105	86	19	49	155	0.6370	0.819	0.7166	0.7799
Total	80	69	21	4	135	309	225	84	84	1152				

		Macro AVG Precision	0.8128	Macro AVG Recall	0.85938	Macro AVG F1	0.8239	Macro AVG acc	0.8913
		Macro F1-Score	0.8355						

Fold 8 — Predicted - ReLu

Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total

Fold 8 (Predicted - ReLu)

Actual / Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	87	13	1	1	25	127	87	40	21	161	0.8056	0.685	0.7404	0.8026
Suicidal Ideation	5	49	0	0	1	55	49	6	17	237	0.7424	0.8909	0.8099	0.9256
Guilty feeling	0	0	18	0	0	18	18	0	2	289	0.9000	1	0.9474	0.9935
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	16	4	1	0	84	105	84	21	26	178	0.7636	0.8	0.7814	0.8479
Total	108	66	20	5	110	309	242	67	67	1169				

Macro AVG Precision 0.8023 Macro AVG Recall 0.87518 Macro AVG F1 0.8336 Macro AVG acc 0.9133
Macro F1-Score 0.8372

Fold 9 — Predicted - ReLu

Actual / Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	65	21	1	0	40	127	65	62	28	154	0.6989	0.5118	0.5909	0.7087
Suicidal Ideation	2	52	0	0	1	55	52	3	31	223	0.6265	0.9455	0.7536	0.89
Guilty feeling	1	0	17	0	0	18	17	1	1	290	0.9444	0.9444	0.9444	0.9935
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	25	10	0	0	70	105	70	35	41	163	0.6306	0.6667	0.6481	0.754
Total	93	83	18	4	111	309	208	101	101	1135				

Macro AVG Precision 0.7801 Macro AVG Recall 0.81368 Macro AVG F1 0.7874 Macro AVG acc 0.8692
Macro F1-Score 0.7965

Fold 10 — Predicted - ReLu

Actual / Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	83	5	3	0	40	131	83	48	29	159	0.7411	0.6336	0.6831	0.7586
Suicidal Ideation	4	52	0	0	0	56	52	4	7	256	0.8814	0.9286	0.9044	0.9655
Guilty feeling	0	0	20	0	3	23	20	3	3	293	0.8696	0.8696	0.8696	0.9812
Sleep problems	0	0	0	4	0	4	4	0	2	313	0.6667	1	0.8	0.9937
Other	25	2	0	2	76	105	76	29	43	171	0.6387	0.7238	0.6786	0.7743
Total	112	59	23	6	119	319	235	84	84	1192				

Macro AVG Precision 0.7595 Macro AVG Recall 0.83112 Macro AVG F1 0.7871 Macro AVG acc 0.8947
Macro F1-Score 0.7937

GRU - Tanh

Fold 1 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	96	5	6	0	20	127	TP	96	FN	31	FP	49	TN	133	precision	0.6621	recall	0.7559	F1-Score	0.7059	Accuracy	0.7411
Suicidal Ideation	13	31	0	0	11	55	TP	31	FN	24	FP	9	TN	245	precision	0.7750	recall	0.5636	F1-Score	0.6526	Accuracy	0.8932
Guilty feeling	2	0	16	0	0	18	TP	16	FN	2	FP	15	TN	276	precision	0.5161	recall	0.8889	F1-Score	0.653	Accuracy	0.945
Sleep problems	0	0	0	2	2	4	TP	2	FN	2	FP	1	TN	304	precision	0.6667	recall	0.5	F1-Score	0.5714	Accuracy	0.9903
Other	34	4	9	1	57	105	TP	57	FN	48	FP	33	TN	171	precision	0.6333	recall	0.5429	F1-Score	0.5846	Accuracy	0.7379
Total	145	40	31	3	90	309		202		107		107		1129								

Macro AVG Precision 0.6506 — Macro AVG Recall 0.6503 — Macro AVG F1 0.6335 — Macro AVG acc 0.8615
Macro F1-Score 0.6505

Fold 2 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	91	8	0	0	28	127	TP	91	FN	36	FP	55	TN	127	precision	0.6233	recall	0.7165	F1-Score	0.6667	Accuracy	0.7055
Suicidal Ideation	6	49	0	0	0	55	TP	49	FN	6	FP	31	TN	223	precision	0.6125	recall	0.8909	F1-Score	0.7259	Accuracy	0.8803
Guilty feeling	0	0	18	0	0	18	TP	18	FN	0	FP	2	TN	289	precision	0.9000	recall	1	F1-Score	0.9474	Accuracy	0.9935
Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	4	TN	301	precision	0.5000	recall	1	F1-Score	0.6667	Accuracy	0.9871
Other	49	23	2	4	27	105	TP	27	FN	78	FP	28	TN	176	precision	0.4909	recall	0.2571	F1-Score	0.3375	Accuracy	0.657
Total	146	80	20	8	55	309		189		120		120		1116								

Macro AVG Precision 0.6253 — Macro AVG Recall 0.7729 — Macro AVG F1 0.6688 — Macro AVG acc 0.8447
Macro F1-Score 0.6913

Fold 3 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	94	8	1	1	23	127	TP	94	FN	33	FP	36	TN	146	precision	0.7231	recall	0.7402	F1-Score	0.7316	Accuracy	0.7767
Suicidal Ideation	0	55	0	0	0	55	TP	55	FN	0	FP	21	TN	233	precision	0.7237	recall	1	F1-Score	0.8397	Accuracy	0.932
Guilty feeling	0	0	18	0	0	18	TP	18	FN	0	FP	5	TN	286	precision	0.7826	recall	1	F1-Score	0.878	Accuracy	0.9838
Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
Other	36	13	4	0	52	105	TP	52	FN	53	FP	23	TN	181	precision	0.6933	recall	0.4952	F1-Score	0.5777	Accuracy	0.754
Total	130	76	23	5	75	309		223		86		86		1150								

Macro AVG Precision 0.7445 — Macro AVG Recall 0.84708 — Macro AVG F1 0.7832 — Macro AVG acc 0.8887
Macro F1-Score 0.7925

Fold 4 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	91	13	6	1	16	127	TP	91	FN	36	FP	89	TN	93	precision	0.5056	recall	0.7165	F1-Score	0.5929	Accuracy	0.5955
Suicidal Ideation	26	18	0	0	11	55	TP	18	FN	37	FP	26	TN	228	precision	0.4091	recall	0.3273	F1-Score	0.3637	Accuracy	0.7961
Guilty feeling	2	3	9	0	4	18	TP	9	FN	9	FP	7	TN	284	precision	0.5625	recall	0.5	F1-Score	0.5294	Accuracy	0.9482
Sleep problems	2	0	0	1	1	4	TP	1	FN	3	FP	2	TN	303	precision	0.3333	recall	0.25	F1-Score	0.2857	Accuracy	0.9838
Other	59	10	1	1	34	105	TP	34	FN	71	FP	32	TN	172	precision	0.5152	recall	0.3238	F1-Score	0.3977	Accuracy	0.6667
Total	180	44	16	3	66	309		153		156		156		1080								

Macro AVG Precision 0.4651 — Macro AVG Recall 0.42352 — Macro AVG F1 0.4339 — Macro AVG acc 0.7981
Macro F1-Score 0.4434

Fold 5 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	78	32	1	1	15	127	TP	78	FN	49	FP	76	TN	106	precision	0.5065	recall	0.6142	F1-Score	0.5552	Accuracy	0.5955
Suicidal Ideation	2	52	0	0	1	55	TP	52	FN	3	FP	55	TN	199	precision	0.4860	recall	0.9455	F1-Score	0.642	Accuracy	0.8123
Guilty feeling	9	0	9	0	0	18	TP	9	FN	9	FP	7	TN	284	precision	0.5625	recall	0.5	F1-Score	0.5294	Accuracy	0.9482
Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
Other	65	23	6	0	11	105	TP	11	FN	94	FP	16	TN	188	precision	0.4074	recall	0.1048	F1-Score	0.1667	Accuracy	0.644
Total	154	107	16	5	27	309		154		155		155		1081								

Macro AVG Precision 0.5525 — Macro AVG Recall 0.6329 — Macro AVG F1 0.5564 — Macro AVG acc 0.7994
Macro F1-Score 0.59

Fold 6 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	50	34	6	0	37	127	TP	50	FN	77	FP	34	TN	148	precision	0.5952	recall	0.3937	F1-Score	0.4739	Accuracy	0.6408
Suicidal Ideation	6	38	1	0	10	55	TP	38	FN	17	FP	55	TN	199	precision	0.4086	recall	0.6909	F1-Score	0.5135	Accuracy	0.767
Guilty feeling	2	6	5	0	5	18	TP	5	FN	13	FP	20	TN	271	precision	0.2000	recall	0.2778	F1-Score	0.2326	Accuracy	0.8932
Sleep problems	0	0	2	1	1	4	TP	1	FN	3	FP	1	TN	304	precision	0.5000	recall	0.25	F1-Score	0.3333	Accuracy	0.9871
Other	26	15	11	1	52	105	TP	52	FN	53	FP	53	TN	151	precision	0.4952	recall	0.4952	F1-Score	0.4952	Accuracy	0.657
Total	84	93	25	2	105	309		146		163		163		1073								

Macro AVG Precision 0.4398 — Macro AVG Recall 0.42152 — Macro AVG F1 0.4097 — Macro AVG acc 0.789
Macro F1-Score 0.4305

Fold 7 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	66	30	5	0	26	127	TP	66	FN	61	FP	50	TN	132	precision	0.5690	recall	0.5197	F1-Score	0.5432	Accuracy	0.6408
Suicidal Ideation	1	53	0	0	1	55	TP	53	FN	2	FP	39	TN	215	precision	0.5761	recall	0.9636	F1-Score	0.7211	Accuracy	0.8673
Guilty feeling	6	0	7	0	5	18	TP	7	FN	11	FP	14	TN	277	precision	0.3333	recall	0.3889	F1-Score	0.359	Accuracy	0.9191
Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
Other	43	9	9	1	43	105	TP	43	FN	62	FP	32	TN	172	precision	0.5733	recall	0.4095	F1-Score	0.4778	Accuracy	0.6958
Total	116	92	21	5	75	309		173		136		136		1100								

Macro AVG Precision 0.5703 — Macro AVG Recall 0.65634 — Macro AVG F1 0.598 — Macro AVG acc 0.824
Macro F1-Score 0.6103

Fold 8 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	71	15	2	1	38	127	TP	71	FN	56	FP	50	TN	132	precision	0.5868	recall	0.5591	F1-Score	0.5726	Accuracy	0.657
Suicidal Ideation	8	31	0	0	16	55	TP	31	FN	24	FP	21	TN	233	precision	0.5962	recall	0.5636	F1-Score	0.5794	Accuracy	0.8544
Guilty feeling	6	0	5	0	7	18	TP	5	FN	13	FP	8	TN	283	precision	0.3846	recall	0.2778	F1-Score	0.3226	Accuracy	0.932
Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
Other	36	6	6	0	57	105	TP	57	FN	48	FP	61	TN	143	precision	0.4831	recall	0.5429	F1-Score	0.5113	Accuracy	0.6472
Total	121	52	13	5	118	309		168		141		141		1095								

Macro AVG Precision 0.5701 — Macro AVG Recall 0.58868 — Macro AVG F1 0.575 — Macro AVG acc 0.8175
Macro F1-Score 0.5793

Fold 9 — Predicted - Tanh

Actual \ Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy	
Anhedonic	101	3	3	1	19	127	TP	101	FN	26	FP	76	TN	106	precision	0.5706	recall	0.7953	F1-Score	0.6645	Accuracy	0.6699
Suicidal Ideation	28	22	0	0	5	55	TP	22	FN	33	FP	13	TN	241	precision	0.6286	recall	0.4	F1-Score	0.4889	Accuracy	0.8511
Guilty feeling	8	0	6	0	4	18	TP	6	FN	12	FP	6	TN	285	precision	0.5000	recall	0.3333	F1-Score	0.4	Accuracy	0.9417
Sleep problems	0	0	0	1	3	4	TP	1	FN	3	FP	2	TN	303	precision	0.3333	recall	0.25	F1-Score	0.2857	Accuracy	0.9838
Other	40	10	3	1	51	105	TP	51	FN	54	FP	31	TN	173	precision	0.6220	recall	0.4857	F1-Score	0.5455	Accuracy	0.7249
Total	177	35	12	3	82	309		181		128		128		1108								

Summary — Macro AVG

	Macro AVG F1		Macro AVG Precision		Macro AVG Recall		Macro AVG Accuracy	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.6335	0.6135	0.6506	0.7337	0.6503	0.6053	0.8615	0.8615
Fold 2	0.6688	0.6329	0.6253	0.5815	0.7729	0.74512	0.8447	0.8149
Fold 3	0.7832	0.7260	0.7445	0.6782	0.84708	0.81216	0.8887	0.6654
Fold 4	0.4339	0.3547	0.4651	0.3512	0.42352	0.36166	0.7981	0.7993
Fold 5	0.5564	0.5221	0.5525	0.4777	0.6329	0.60656	0.7994	0.7851
Fold 6	0.4097	0.4199	0.4398	0.4246	0.42152	0.4364	0.789	0.789
Fold 7	0.598	0.5708	0.5703	0.5559	0.65634	0.6176	0.824	0.8084
Fold 8	0.575	0.5288	0.5701	0.5217	0.58868	0.56098	0.8175	0.7903
Fold 9	0.4769	0.4035	0.5309	0.4026	0.45286	0.40762	0.8343	0.7929
Fold 10	0.5184	0.4779	0.5413	0.4685	0.51264	0.49444	0.8107	0.7918
AVG.	0.5654	0.5250	0.5691	0.5196	0.5959	0.5648	0.8268	0.8099

F1 Score / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.7059	0.7004	0.6526	0.6947	0.653	0.7111	0.5714	0.4	0.5846	0.5612
Fold 2	0.6667	0.4796	0.7259	0.7083	0.9474	0.6667	0.6667	0.8889	0.3375	0.4211
Fold 3	0.7316	0.5812	0.8397	0.9483	0.878	0.8718	0.8889	0.6667	0.5777	0.5622
Fold 4	0.5929	0.609	0.3637	0.4182	0.5294	0.2927	0.2857	0	0.3977	0.4536
Fold 5	0.5552	0.4909	0.642	0.6963	0.5294	0.4286	0.8889	0.8	0.1667	0.1948
Fold 6	0.4739	0.4225	0.5135	0.6731	0.2326	0.2745	0.3333	0.25	0.4952	0.4794
Fold 7	0.5432	0.5625	0.7211	0.7879	0.359	0.3871	0.8889	0.8889	0.4778	0.2278
Fold 8	0.5726	0.5302	0.5794	0.5577	0.3226	0.3256	0.8889	0.8889	0.5113	0.3415
Fold 9	0.6645	0.473	0.4889	0.5333	0.4	0.2778	0.2857	0.2222	0.5455	0.511
Fold 10	0.5809	0.4359	0.6471	0.661	0.55	0.4	0.4444	0.4	0.3696	0.4482
AVG.	0.6087	0.5285	0.6174	0.6679	0.5401	0.4636	0.6143	0.5450	0.4464	0.4201

Precision / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.6621	0.6467	0.7750	0.8250	0.5161	0.5926	0.6667	1.0000	0.6333	0.6044
Fold 2	0.6233	0.5638	0.6125	0.5730	0.9000	0.5000	0.5000	0.8000	0.4909	0.4706
Fold 3	0.7231	0.6355	0.7237	0.9016	0.7826	0.8095	0.8000	0.5000	0.6933	0.5446
Fold 4	0.5056	0.5827	0.4091	0.4182	0.5625	0.2609	0.3333	0.0000	0.5152	0.4944
Fold 5	0.5065	0.4533	0.4860	0.5875	0.5625	0.3750	0.8000	0.6667	0.4074	0.3061
Fold 6	0.5952	0.5233	0.4086	0.7143	0.2000	0.2121	0.5000	0.2500	0.4952	0.4234
Fold 7	0.5690	0.5031	0.5761	0.6753	0.3333	0.4615	0.8000	0.8000	0.5733	0.3396
Fold 8	0.5868	0.4620	0.5962	0.5918	0.3846	0.2800	0.8000	0.8000	0.4831	0.4746
Fold 9	0.5706	0.5000	0.6286	0.5600	0.5000	0.2778	0.3333	0.2000	0.6220	0.4754
Fold 10	0.5116	0.4951	0.7174	0.6290	0.6471	0.4091	0.4000	0.4000	0.4304	0.4094
AVG.	0.5854	0.5366	0.5933	0.6476	0.5389	0.4179	0.5933	0.5417	0.5344	0.4543

Recall / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.7559	0.7638	0.5636	0.6	0.8889	0.8889	0.5	0.25	0.5429	0.5238
Fold 2	0.7165	0.4173	0.8909	0.9273	1	1	1	1	0.2571	0.381
Fold 3	0.7402	0.5354	1	1	1	0.9444	1	1	0.4952	0.581
Fold 4	0.7165	0.6378	0.3273	0.4182	0.5	0.3333	0.25	0	0.3238	0.419
Fold 5	0.6142	0.5354	0.9455	0.8545	0.5	0.5	1	1	0.1048	0.1429
Fold 6	0.3937	0.3543	0.6909	0.6364	0.2778	0.3889	0.25	0.25	0.4952	0.5524
Fold 7	0.5197	0.6378	0.9636	0.9455	0.3889	0.3333	1	1	0.4095	0.1714
Fold 8	0.5591	0.622	0.5636	0.5273	0.2778	0.3889	1	1	0.5429	0.2667
Fold 9	0.7953	0.4488	0.4	0.5091	0.3333	0.2778	0.25	0.25	0.4857	0.5524
Fold 10	0.6718	0.3893	0.5893	0.6964	0.4783	0.3913	0.5	0.5	0.3238	0.4952
AVG.	0.6483	0.5342	0.6935	0.7115	0.6750	0.6250	0.5645	0.5447	0.3981	0.4086

Accuracy / Each Class

	Anhedonic		Suicidal Ideation		Guilty feeling		Sleep problems		Other	
	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU	Tanh	ReLU
Fold 1	0.7411	0.7314	0.8932	0.9061	0.945	0.9579	0.9903	0.9903	0.7379	0.7217
Fold 2	0.7055	0.6278	0.8803	0.8641	0.9935	0.9417	0.9871	0.9968	0.657	0.644
Fold 3	0.7767	0.6828	0.932	0.9806	0.9838	0.9838	0.9968	0.9871	0.754	0.6926
Fold 4	0.5955	0.6634	0.7961	0.7929	0.9482	0.9061	0.9838	0.9773	0.6667	0.657
Fold 5	0.5955	0.5437	0.8123	0.8673	0.9482	0.9223	0.9968	0.9935	0.644	0.5987
Fold 6	0.6408	0.6019	0.767	0.89	0.8932	0.8803	0.9871	0.9806	0.657	0.5922
Fold 7	0.6408	0.5922	0.8673	0.9094	0.9191	0.9385	0.9968	0.9968	0.6958	0.6052
Fold 8	0.657	0.5469	0.8544	0.8511	0.932	0.9061	0.9968	0.9968	0.6472	0.6505
Fold 9	0.6699	0.589	0.8511	0.8414	0.9417	0.9159	0.9838	0.9773	0.7249	0.6408
Fold 10	0.6019	0.5862	0.8871	0.8746	0.9436	0.9154	0.9843	0.9843	0.6364	0.5987
AVG.	0.6625	0.6165	0.8541	0.8778	0.9448	0.9268	0.9904	0.9881	0.6821	0.6401

	Macro AVG Precision	0.5309	Macro AVG Recall	0.45286	Macro AVG F1	0.4769	Macro AVG acc	0.8343
	Macro F1-Score	0.4888						

Fold 10 — Predicted - Tanh

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	88	5	4	0	34	131	TP	88	FN	43	FP	84	TN	104	precision	0.5116	recall	0.6718	F1-Score	0.5809	Accuracy	0.6019
	Suicidal Ideation	19	33	0	1	3	56	TP	33	FN	23	FP	13	TN	250	precision	0.7174	recall	0.5893	F1-Score	0.6471	Accuracy	0.8871
	Guilty feeling	4	0	11	0	8	23	TP	11	FN	12	FP	6	TN	290	precision	0.6471	recall	0.4783	F1-Score	0.55	Accuracy	0.9436
	Sleep problems	2	0	0	2	0	4	TP	2	FN	2	FP	3	TN	312	precision	0.4000	recall	0.5	F1-Score	0.4444	Accuracy	0.9843
	Other	59	8	2	2	34	105	TP	34	FN	71	FP	45	TN	169	precision	0.4304	recall	0.3238	F1-Score	0.3696	Accuracy	0.6364
	Total	172	46	17	5	79	319		168		151		151		1125								

	Macro AVG Precision	0.5413	Macro AVG Recall	0.51264	Macro AVG F1	0.5184	Macro AVG acc	0.8107
	Macro F1-Score	0.5266						

GRU - ReLU

Fold 1 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	97	3	5	0	22	127	TP	97	FN	30	FP	53	TN	129	precision	0.6467	recall	0.7638	F1-Score	0.7004	Accuracy	0.7314
	Suicidal Ideation	11	33	0	0	11	55	TP	33	FN	22	FP	7	TN	247	precision	0.8250	recall	0.6	F1-Score	0.6947	Accuracy	0.9061
	Guilty feeling	2	0	16	0	0	18	TP	16	FN	2	FP	11	TN	280	precision	0.5926	recall	0.8889	F1-Score	0.7111	Accuracy	0.9579
	Sleep problems	0	0	0	1	3	4	TP	1	FN	3	FP	0	TN	305	precision	1.0000	recall	0.25	F1-Score	0.4	Accuracy	0.9903
	Other	40	4	6	0	55	105	TP	55	FN	50	FP	36	TN	168	precision	0.6044	recall	0.5238	F1-Score	0.5612	Accuracy	0.7217
	Total	150	40	27	1	91	309		202		107		107		1129								

	Macro AVG Precision	0.7337	Macro AVG Recall	0.6053	Macro AVG F1	0.6135	Macro AVG acc	0.8615
	Macro F1-Score	0.6634						

Fold 2 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	53	20	9	0	45	127	TP	53	FN	74	FP	41	TN	141	precision	0.5638	recall	0.4173	F1-Score	0.4796	Accuracy	0.6278
	Suicidal Ideation	4	51	0	0	0	55	TP	51	FN	4	FP	38	TN	216	precision	0.5730	recall	0.9273	F1-Score	0.7083	Accuracy	0.8641
	Guilty feeling	0	0	18	0	0	18	TP	18	FN	0	FP	18	TN	273	precision	0.5000	recall	1	F1-Score	0.6667	Accuracy	0.9417
	Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
	Other	37	18	9	1	40	105	TP	40	FN	65	FP	45	TN	159	precision	0.4706	recall	0.381	F1-Score	0.4211	Accuracy	0.644
	Total	94	89	36	5	85	309		166		143		143		1093								

	Macro AVG Precision	0.5815	Macro AVG Recall	0.74512	Macro AVG F1	0.6329	Macro AVG acc	0.8149
	Macro F1-Score	0.6532						

Fold 3 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	68	5	1	2	51	127	TP	68	FN	59	FP	39	TN	143	precision	0.6355	recall	0.5354	F1-Score	0.5812	Accuracy	0.6828
	Suicidal Ideation	0	55	0	0	0	55	TP	55	FN	0	FP	6	TN	248	precision	0.9016	recall	1	F1-Score	0.9483	Accuracy	0.9806
	Guilty feeling	1	0	17	0	0	18	TP	17	FN	1	FP	4	TN	287	precision	0.8095	recall	0.9444	F1-Score	0.8718	Accuracy	0.9838
	Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	4	TN	301	precision	0.5000	recall	1	F1-Score	0.6667	Accuracy	0.9871
	Other	38	1	3	2	61	105	TP	61	FN	44	FP	51	TN	153	precision	0.5446	recall	0.581	F1-Score	0.5622	Accuracy	0.6926
	Total	107	61	21	8	112	309		205		104		104		1132								

	Macro AVG Precision	0.6782	Macro AVG Recall	0.81216	Macro AVG F1	0.726	Macro AVG acc	0.8654
	Macro F1-Score	0.7392						

Fold 4 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	81	13	7	2	24	127	TP	81	FN	46	FP	58	TN	124	precision	0.5827	recall	0.6378	F1-Score	0.609	Accuracy	0.6634
	Suicidal Ideation	19	23	2	0	11	55	TP	23	FN	32	FP	32	TN	222	precision	0.4182	recall	0.4182	F1-Score	0.4182	Accuracy	0.7929
	Guilty feeling	0	3	6	0	9	18	TP	6	FN	12	FP	17	TN	274	precision	0.2609	recall	0.3333	F1-Score	0.2927	Accuracy	0.9061
	Sleep problems	2	0	1	0	1	4	TP	0	FN	4	FP	3	TN	302	precision	0.0000	recall	0	F1-Score	0	Accuracy	0.9773
	Other	37	16	7	1	44	105	TP	44	FN	61	FP	45	TN	159	precision	0.4944	recall	0.419	F1-Score	0.4536	Accuracy	0.657
	Total	139	55	23	3	89	309		154		155		155		1081								

	Macro AVG Precision	0.3512	Macro AVG Recall	0.36166	Macro AVG F1	0.3547	Macro AVG acc	0.7993
	Macro F1-Score	0.3564						

Fold 5 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	68	20	5	2	32	127	TP	68	FN	59	FP	82	TN	100	precision	0.4533	recall	0.5354	F1-Score	0.4909	Accuracy	0.5437
	Suicidal Ideation	6	47	0	0	2	55	TP	47	FN	8	FP	33	TN	221	precision	0.5875	recall	0.8545	F1-Score	0.6963	Accuracy	0.8673
	Guilty feeling	9	0	9	0	0	18	TP	9	FN	9	FP	15	TN	276	precision	0.3750	recall	0.5	F1-Score	0.4286	Accuracy	0.9223
	Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	2	TN	303	precision	0.6667	recall	1	F1-Score	0.8	Accuracy	0.9935
	Other	67	13	10	0	15	105	TP	15	FN	90	FP	34	TN	170	precision	0.3061	recall	0.1429	F1-Score	0.1948	Accuracy	0.5987
	Total	150	80	24	6	49	309		143		166		166		1070								

	Macro AVG Precision	0.4777	Macro AVG Recall	0.60656	Macro AVG F1	0.5221	Macro AVG acc	0.7851
	Macro F1-Score	0.5345						

Fold 6 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	45	10	13	2	57	127	TP	45	FN	82	FP	41	TN	141	precision	0.5233	recall	0.3543	F1-Score	0.4225	Accuracy	0.6019
	Suicidal Ideation	8	35	2	0	10	55	TP	35	FN	20	FP	14	TN	240	precision	0.7143	recall	0.6364	F1-Score	0.6731	Accuracy	0.89
	Guilty feeling	2	0	7	0	9	18	TP	7	FN	11	FP	26	TN	265	precision	0.2121	recall	0.3889	F1-Score	0.2745	Accuracy	0.8803
	Sleep problems	0	0	0	1	3	4	TP	1	FN	3	FP	3	TN	302	precision	0.2500	recall	0.25	F1-Score	0.25	Accuracy	0.9806
	Other	31	4	11	1	58	105	TP	58	FN	47	FP	79	TN	125	precision	0.4234	recall	0.5524	F1-Score	0.4794	Accuracy	0.5922
	Total	86	49	33	4	137	309		146		163		163		1073								

	Macro AVG Precision	0.4246	Macro AVG Recall	0.4364	Macro AVG F1	0.4199	Macro AVG acc	0.789
	Macro F1-Score	0.4304						

Fold 7 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total		TP		FN		FP		TN		precision		recall		F1-Score		Accuracy
Actual	Anhedonic	81	21	1	0	24	127	TP	81	FN	46	FP	80	TN	102	precision	0.5031	recall	0.6378	F1-Score	0.5625	Accuracy	0.5922
	Suicidal Ideation	0	52	0	0	3	55	TP	52	FN	3	FP	25	TN	229	precision	0.6753	recall	0.9455	F1-Score	0.7879	Accuracy	0.9094
	Guilty feeling	4	0	6	0	8	18	TP	6	FN	12	FP	7	TN	284	precision	0.4615	recall	0.3333	F1-Score	0.3871	Accuracy	0.9385
	Sleep problems	0	0	0	4	0	4	TP	4	FN	0	FP	1	TN	304	precision	0.8000	recall	1	F1-Score	0.8889	Accuracy	0.9968
	Other	76	4	6	1	18	105	TP	18	FN	87	FP	35	TN	169	precision	0.3396	recall	0.1714	F1-Score	0.2278	Accuracy	0.6052
	Total	161	77	13	5	53	309		161		148		148		1088								

	Macro AVG Precision	0.5559	Macro AVG Recall	0.6176	Macro AVG F1	0.5708	Macro AVG acc	0.8084
	Macro F1-Score	0.5851						

Fold 8 — Predicted - ReLu

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total

Predicted - ReLu

Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	79	17	3	1	27	127	79	48	92	90	0.4620	0.622	0.5302	0.5469
Suicidal Ideation	18	29	5	0	3	55	29	26	20	234	0.5918	0.5273	0.5577	0.8511
Guilty feeling	9	1	7	0	1	18	7	11	18	273	0.2800	0.3889	0.3256	0.9061
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	65	2	10	0	28	105	28	77	31	173	0.4746	0.2667	0.3415	0.6505
Total	171	49	25	5	59	309	147	162	162	1074				

Macro AVG Precision 0.5217 · Macro AVG Recall 0.56098 · Macro AVG F1 0.5288 · Macro AVG acc 0.7903
Macro F1-Score 0.5406

Fold 9 — Predicted - ReLu

Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	57	9	9	1	51	127	57	70	57	125	0.5000	0.4488	0.473	0.589
Suicidal Ideation	16	28	2	0	9	55	28	27	22	232	0.5600	0.5091	0.5333	0.8414
Guilty feeling	6	1	5	2	4	18	5	13	13	278	0.2778	0.2778	0.2778	0.9159
Sleep problems	3	0	0	1	0	4	1	3	4	301	0.2000	0.25	0.2222	0.9773
Other	32	12	2	1	58	105	58	47	64	140	0.4754	0.5524	0.511	0.6408
Total	114	50	18	5	122	309	149	160	160	1076				

Macro AVG Precision 0.4026 · Macro AVG Recall 0.40762 · Macro AVG F1 0.4035 · Macro AVG acc 0.7929
Macro F1-Score 0.4051

Fold 10 — Predicted - ReLu

Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	51	14	8	1	57	131	51	80	52	136	0.4951	0.3893	0.4359	0.5862
Suicidal Ideation	11	39	0	0	6	56	39	17	23	240	0.6290	0.6964	0.661	0.8746
Guilty feeling	2	0	9	0	12	23	9	14	13	283	0.4091	0.3913	0.4	0.9154
Sleep problems	2	0	0	2	0	4	2	2	3	312	0.4000	0.5	0.4444	0.9843
Other	37	9	5	2	52	105	52	53	75	139	0.4094	0.4952	0.4482	0.5987
Total	103	62	22	5	127	319	153	166	166	1110				

Macro AVG Precision 0.4685 · Macro AVG Recall 0.49444 · Macro AVG F1 0.4779 · Macro AVG acc 0.7918
Macro F1-Score 0.4811

SVM

Fold 1

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	67	4	36	0	20	127	67	60	51	131	0.5678	0.5276	0.547	0.6408
Suicidal Ideation	12	31	1	0	11	55	31	24	14	240	0.6889	0.5636	0.62	0.877
Guilty feeling	2	0	16	0	0	18	16	2	46	245	0.2581	0.8889	0.4	0.8447
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	37	10	9	0	49	105	49	56	31	173	0.6125	0.4667	0.5298	0.7184
Total	118	45	62	4	80	309	167	142	142	1094				

Macro AVG Precision 0.6255 Macro AVG Recall 0.68936 Macro AVG F1 0.6194 Macro AVG acc 0.8162
Macro F1-Score 0.6559

Fold 2

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	82	11	11	0	23	127	82	45	31	151	0.7257	0.6457	0.6834	0.754
Suicidal Ideation	0	37	18	0	0	55	37	18	19	235	0.6607	0.6727	0.6666	0.8803
Guilty feeling	0	0	18	0	0	18	18	0	31	260	0.3673	1	0.5373	0.8997
Sleep problems	0	0	0	4	0	4	4	0	0	305	1.0000	1	1	1
Other	31	8	2	0	64	105	64	41	23	181	0.7356	0.6095	0.6666	0.7929
Total	113	56	49	4	87	309	205	104	104	1132				

Macro AVG Precision 0.6979 Macro AVG Recall 0.78558 Macro AVG F1 0.7108 Macro AVG acc 0.8654
Macro F1-Score 0.7391

Fold 3

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	96	7	13	0	11	127	96	31	34	148	0.7385	0.7559	0.7471	0.7896
Suicidal Ideation	0	55	0	0	0	55	55	0	16	238	0.7746	1	0.873	0.9482
Guilty feeling	0	0	18	0	0	18	18	0	18	273	0.5000	1	0.6667	0.9417
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	34	9	5	2	55	105	55	50	11	193	0.8333	0.5238	0.6433	0.8026
Total	130	71	36	6	66	309	228	81	81	1155				

Macro AVG Precision 0.7026 Macro AVG Recall 0.85594 Macro AVG F1 0.746 Macro AVG acc 0.8951
Macro F1-Score 0.7717

Fold 4

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	74	17	12	4	20	127	74	53	33	149	0.6916	0.5827	0.6325	0.7217
Suicidal Ideation	0	45	0	0	10	55	45	10	30	224	0.6000	0.8182	0.6923	0.8706
Guilty feeling	0	3	11	0	4	18	11	7	17	274	0.3929	0.6111	0.4783	0.9223
Sleep problems	2	0	0	2	0	4	2	2	7	298	0.2222	0.5	0.3077	0.9709
Other	31	10	5	3	56	105	56	49	34	170	0.6222	0.5333	0.5743	0.7314
Total	107	75	28	9	90	309	188	121	121	1115				

Macro AVG Precision 0.5058 Macro AVG Recall 0.60906 Macro AVG F1 0.537 Macro AVG acc 0.8434
Macro F1-Score 0.5526

Fold 5

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	83	15	7	3	19	127	83	44	73	109	0.5321	0.6535	0.5866	0.6214
Suicidal Ideation	3	45	2	0	5	55	45	10	19	235	0.7031	0.8182	0.7563	0.9061
Guilty feeling	7	0	11	0	0	18	11	7	15	276	0.4231	0.6111	0.5	0.9288
Sleep problems	0	0	0	4	0	4	4	0	4	301	0.5000	1	0.6667	0.9871
Other	63	4	6	1	31	105	31	74	24	180	0.5636	0.2952	0.3875	0.6828
Total	156	64	26	8	55	309	174	135	135	1101				

Macro AVG Precision 0.5444 Macro AVG Recall 0.6756 Macro AVG F1 0.5794 Macro AVG acc 0.8252
Macro F1-Score 0.6029

Fold 6

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	81	16	6	1	23	127	81	46	49	133	0.6231	0.6378	0.6304	0.6926
Suicidal Ideation	8	41	0	0	6	55	41	14	26	228	0.6119	0.7455	0.6721	0.8706
Guilty feeling	5	7	6	0	0	18	6	12	14	277	0.3000	0.3333	0.3158	0.9159
Sleep problems	0	0	1	2	1	4	2	2	2	303	0.5000	0.5	0.5	0.9871
Other	36	3	7	1	58	105	58	47	30	174	0.6591	0.5524	0.6011	0.7508
Total	130	67	20	4	88	309	188	121	121	1115				

Macro AVG Precision 0.5388 Macro AVG Recall 0.5538 Macro AVG F1 0.5439 Macro AVG acc 0.8434
Macro F1-Score 0.5462

Fold 7

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	70	37	6	0	14	127	70	57	57	125	0.5512	0.5512	0.5512	0.6311
Suicidal Ideation	1	53	0	0	1	55	53	2	43	211	0.5521	0.9636	0.702	0.8544
Guilty feeling	3	0	10	0	5	18	10	8	15	276	0.4000	0.5556	0.4651	0.9256
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	53	6	9	2	35	105	35	70	20	184	0.6364	0.3333	0.4375	0.7087
Total	127	96	25	6	55	309	172	137	137	1099				

Macro AVG Precision 0.5613 Macro AVG Recall 0.68074 Macro AVG F1 0.5912 Macro AVG acc 0.8227
Macro F1-Score 0.6153

Fold 8

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	78	26	5	2	16	127	78	49	49	133	0.6142	0.6142	0.6142	0.6828
Suicidal Ideation	6	44	1	0	4	55	44	11	32	222	0.5789	0.8	0.6717	0.8608
Guilty feeling	6	1	7	0	4	18	7	11	14	277	0.3333	0.3889	0.359	0.9191
Sleep problems	0	0	0	4	0	4	4	0	2	303	0.6667	1	0.8	0.9935
Other	37	5	8	0	55	105	55	50	24	180	0.6962	0.5238	0.5978	0.7605
Total	127	76	21	6	79	309	188	121	121	1115				

Macro AVG Precision 0.5779 Macro AVG Recall 0.66538 Macro AVG F1 0.6085 Macro AVG acc 0.8433
Macro F1-Score 0.6185

Fold 9

Actual \ Predicted	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total	TP	FN	FP	TN	precision	recall	F1-Score	Accuracy
Anhedonic	103	6	3	1	14	127	103	24	67	115	0.6059	0.811	0.6936	0.7055
Suicidal Ideation	25	20	3	0	7	55	20	35	11	243	0.6452	0.3636	0.4651	0.8511
Guilty feeling	2	1	12	0	3	18	12	6	7	284	0.6316	0.6667	0.6487	0.9579
Sleep problems	0	0	0	4	0	4	4	0	1	304	0.8000	1	0.8889	0.9968
Other	40	4	1	0	60	105	60	45	24	180	0.7143	0.5714	0.6349	0.7767
Total	170	31	19	5	84	309	199	110	110	1126				

Macro AVG Precision 0.6794 Macro AVG Recall 0.68254 Macro AVG F1 0.6662 Macro AVG acc 0.8576

SVM — Summary

Fold	Macro AVG F1	Macro AVG Precision	Macro AVG Recall	Macro AVG Accuracy
Fold 1	0.6194	0.6255	0.68936	0.8162
Fold 2	0.7108	0.6979	0.78558	0.8654
Fold 3	0.746	0.7026	0.85594	0.8951
Fold 4	0.537	0.5058	0.60906	0.8434
Fold 5	0.5794	0.5444	0.6756	0.8252
Fold 6	0.5439	0.5388	0.5538	0.8434
Fold 7	0.5912	0.5613	0.68074	0.8227
Fold 8	0.6085	0.5779	0.66538	0.8433
Fold 9	0.6662	0.6794	0.68254	0.8576
Fold 10	0.5166	0.4913	0.58112	0.8132
AVG.	0.6119	0.5925	0.6779	0.8426

F1 Score / Each Class

	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other
Fold 1	0.547	0.62	0.4	1	0.5298
Fold 2	0.6834	0.6666	0.5373	1	0.6666
Fold 3	0.7471	0.873	0.6667	0.8	0.6433
Fold 4	0.6325	0.6923	0.4783	0.3077	0.5743
Fold 5	0.5866	0.7563	0.5	0.6667	0.3875
Fold 6	0.6304	0.6721	0.3158	0.5	0.6011
Fold 7	0.5512	0.702	0.4651	0.8	0.4375
Fold 8	0.6142	0.6717	0.359	0.8	0.5978
Fold 9	0.6936	0.4651	0.6487	0.8889	0.6349
Fold 10	0.5639	0.708	0.4681	0.4286	0.4142
AVG.	0.625	0.6827	0.4839	0.7192	0.5487

Precision / Each Class

	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other
Fold 1	0.5678	0.6889	0.2581	1.0000	0.6125
Fold 2	0.7257	0.6607	0.3673	1.0000	0.7356
Fold 3	0.7385	0.7746	0.5000	0.6667	0.8333
Fold 4	0.6916	0.6000	0.3929	0.2222	0.6222
Fold 5	0.5321	0.7031	0.4231	0.5000	0.5636
Fold 6	0.6231	0.6119	0.3000	0.5000	0.6591
Fold 7	0.5512	0.5521	0.4000	0.6667	0.6364
Fold 8	0.6142	0.5789	0.3333	0.6667	0.6962
Fold 9	0.6059	0.6452	0.6316	0.8000	0.7143
Fold 10	0.5556	0.7018	0.4583	0.3000	0.4409
AVG.	0.6206	0.6517	0.4065	0.6322	0.6514

Recall / Each Class

	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other
Fold 1	0.5276	0.5636	0.8889	1	0.4667
Fold 2	0.6457	0.6727	1	1	0.6095
Fold 3	0.7559	1	1	1	0.5238
Fold 4	0.5827	0.8182	0.6111	0.5	0.5333
Fold 5	0.6535	0.8182	0.6111	1	0.2952
Fold 6	0.6378	0.7455	0.3333	0.5	0.5524
Fold 7	0.5512	0.9636	0.5556	1	0.3333
Fold 8	0.6142	0.8	0.3889	1	0.5238
Fold 9	0.811	0.3636	0.6667	1	0.5714
Fold 10	0.5725	0.7143	0.4783	0.75	0.3905
AVG.	0.6352	0.7460	0.6534	0.8750	0.4800

Accuracy / Each Class

	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other
Fold 1	0.6408	0.877	0.8447	1	0.7184
Fold 2	0.754	0.8803	0.8997	1	0.7929
Fold 3	0.7896	0.9482	0.9417	0.9935	0.8026
Fold 4	0.7217	0.8706	0.9223	0.9709	0.7314
Fold 5	0.6214	0.9061	0.9288	0.9871	0.6828
Fold 6	0.6926	0.8706	0.9159	0.9871	0.7508
Fold 7	0.6311	0.8544	0.9256	0.9935	0.7087
Fold 8	0.6828	0.8608	0.9191	0.9935	0.7605
Fold 9	0.7055	0.8511	0.9579	0.9968	0.7767
Fold 10	0.6364	0.8966	0.9216	0.9749	0.6364
AVG.	0.6876	0.8816	0.9177	0.9897	0.7361

Macro F1-Score 0.681

	Class	Anhedonic	Suicidal Ideation	Guilty feeling	Sleep problems	Other	Total												
				Predicted															
Actual	Anhedonic	75	7	11	1	37	131	TP	75	FN	56	FP	60	TN	128	precision	0.5556	recall	0.5725	F1-Score	0.5639	Accuracy	0.6364
	uicidal Ideation	12	40	0	1	3	56	TP	40	FN	16	FP	17	TN	246	precision	0.7018	recall	0.7143	F1-Score	0.708	Accuracy	0.8966
	Guilty feeling	0	0	11	0	12	23	TP	11	FN	12	FP	13	TN	283	precision	0.4583	recall	0.4783	F1-Score	0.4681	Accuracy	0.9216
	Sleep problems	1	0	0	3	0	4	TP	3	FN	1	FP	7	TN	308	precision	0.3000	recall	0.75	F1-Score	0.4286	Accuracy	0.9749
	Other	47	10	2	5	41	105	TP	41	FN	64	FP	52	TN	162	precision	0.4409	recall	0.3905	F1-Score	0.4142	Accuracy	0.6364
	Total	135	57	24	10	93	319	170		149		149		1127									

Macro AVG Precision 0.4913 Macro AVG Recall 0.58112 Macro AVG F1 0.5166 Macro AVG acc 0.8132
Macro F1-Score 0.5325