Confusion matrices for six models (XGBoost, SVM, DNN, CWT-CNN, CNN-PA, LSTM-CNN) across three tasks (T1, T2, T3). Rows and columns labeled with classes 1, 2, 6.

Model	Task	Predicted 1	Predicted 2	Predicted 6
XGBoost	T1 (true 1)	0	13	0
	T1 (true 2)	1	7	1
	T1 (true 6)	5	32	34
	T2 (true 1)	22	13	3
	T2 (true 2)	11	42	1
	T2 (true 6)	10	3	62
	T3 (true 1)	33	41	16
	T3 (true 2)	8	59	10
	T3 (true 6)	13	15	56
SVM	T1 (true 1)	3	10	0
	T1 (true 2)	0	9	0
	T1 (true 6)	4	42	25
	T2 (true 1)	33	5	0
	T2 (true 2)	22	32	0
	T2 (true 6)	12	3	60
	T3 (true 1)	53	12	25
	T3 (true 2)	14	59	4
	T3 (true 6)	14	4	66
DNN	T1 (true 1)	1	9	3
	T1 (true 2)	0	7	2
	T1 (true 6)	3	25	43
	T2 (true 1)	25	13	0
	T2 (true 2)	16	36	2
	T2 (true 6)	8	3	64
	T3 (true 1)	26	23	41
	T3 (true 2)	9	62	6
	T3 (true 6)	4	4	76
CWT-CNN	T1 (true 1)	1	12	0
	T1 (true 2)	1	7	1
	T1 (true 6)	16	38	17
	T2 (true 1)	25	10	3
	T2 (true 2)	21	33	0
	T2 (true 6)	13	0	62
	T3 (true 1)	27	31	32
	T3 (true 2)	12	61	4
	T3 (true 6)	18	1	65
CNN-PA	T1 (true 1)	3	10	0
	T1 (true 2)	0	8	1
	T1 (true 6)	11	32	28
	T2 (true 1)	9	18	11
	T2 (true 2)	1	53	0
	T2 (true 6)	2	1	72
	T3 (true 1)	22	33	35
	T3 (true 2)	10	60	7
	T3 (true 6)	4	3	77
LSTM-CNN	T1 (true 1)	1	12	0
	T1 (true 2)	1	7	1
	T1 (true 6)	24	27	20
	T2 (true 1)	20	10	8
	T2 (true 2)	13	40	1
	T2 (true 6)	21	3	51
	T3 (true 1)	20	31	39
	T3 (true 2)	9	61	7
	T3 (true 6)	5	3	76