ALGORITHM HYPERPARAMETERS OF MEDM2T

Dataset	Parameter	Value
Static	Batch Size	128
	Optimizer	Adam
	Learning rate	0.0005 (core); 0.0001 (extended) / 0.0005 / 0.01
Labs	Batch Size	128
	Optimizer	Adam
	Learning rate	0.00005 / 0.0025 / 0.0025
Vitals	Batch Size	32
	Optimizer	Adam
	Learning rate	NA / 0.000001 / 0.00001
Vitals (C)	Batch Size	128
	Optimizer	Adam
	Learning rate	NA / 0.0005 / 0.001
Vitals (N)	Batch Size	128
	Optimizer	Adam
	Learning rate	NA / 0.001 / 0.0005
ECG	Batch Size	32
	Optimizer	Adam
	Learning rate	0.00005 / 0.00001 / 0.0005
ECG (T)	Batch Size	128
	Optimizer	Adam
	Learning rate	5E-05 / 0.0005 / 0.001
ECG (S)	Batch Size	128
	Optimizer	Adam
	Learning rate	0.005 / 0.001 / 0.0005
ECG (F)	Batch Size	128
	Optimizer	Adam
	Learning rate	0.0001 / 0.001 / 0.001
ECG (Fusion)	Batch Size	128
	Optimizer	SGD / Adam / Adam
	Learning rate	5E-05 / 0.001 / 5E-05
Multimodal	Batch Size	32 / 32 / 64
	Optimizer	Adam
	Learning rate	1E-06 (core); 5E-06 (extended) / 5E-05 / 1E-05

When values differ across tasks, they are reported in the format Task 1 / Task 2 / Task 3; Vitals (C), Vitals (N) denote categorical and numerical vitals; ECG (T), ECG (S), ECG (F) denote ECG text, signals and features; ECG (Fusion) is a fusion of ECG text, signals and features.