

Hyperband Model 1

LR: 8.6e-5
L2: 1.3e-6
Dropout: 20%

Conv1D | F: 32 KS: 10

Conv1D | F: 24 KS: 2

Conv1D | F: 56 KS: 8

Max Pooling | PS: 1

Conv1D | F: 32 KS: 11

Max Pooling | PS: 1

Conv1D | F: 32 KS: 14

Conv1D | F: 24 KS: 13

Max Pooling | PS: 1

Dense | Nodes: 24

Dense | Nodes: 28

Dense | Nodes: 16

Dense | Nodes: 3

Hyperband Model 2

LR: 3.8e-3
L2: 1.1e-4
Dropout: 0%

Conv1D | F: 16 KS: 2

Conv1D | F: 56 KS: 11

Conv1D | F: 32 KS: 3

Max Pooling | PS: 2

Conv1D | F: 40 KS: 10

Conv1D | F: 40 KS: 5

Conv1D | F: 8 KS: 9

Conv1D | F: 48 KS: 12

Max Pooling | PS: 1

Dense | Nodes: 24

Dense | Nodes: 20

Dense | Nodes: 16

Dense | Nodes: 20

Dense | Nodes: 3

Hyperband Model 3

LR: 1.1e-4
L2: 8.3e-6
Dropout: 10%

Conv1D | F: 16 KS: 7

Conv1D | F: 16 KS: 3

Conv1D | F: 24 KS: 14

Conv1D | F: 16 KS: 5

Conv1D | F: 40 KS: 4

Max Pooling | PS: 2

Conv1D | F: 56 KS: 12

Conv1D | F: 32 KS: 4

Conv1D | F: 32 KS: 4

Conv1D | F: 16 KS: 5

Max Pooling | PS: 2

Dense | Nodes: 24

Dense | Nodes: 24

Dense | Nodes: 20

Dense | Nodes: 20

Dense | Nodes: 3

Manual Selection

LR: 1.0e-5
L2: 5e-4
Dropout: 0%

Conv1D | F: 20 KS: 3

Conv1D | F: 20 KS: 3

Conv1D | F: 20 KS: 3

Conv1D | F: 20 KS: 3

Max Pooling | PS: 4

Dense | Nodes: 5

Dense | Nodes: 4

Dense | Nodes: 3

Legend

LR: Learning Rate

L2: L2 Regularization

Conv1D: 1D Convolutional Layer

F: Filters

KS: Kernel Size

PS: Pool Size

Dense: Fully Connected Layer