**Model: "sequential":EEG-Valance**

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Layer (type) Output Shape Param #

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lstm (LSTM) (None, None, 512) 1193984

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batch\_normalization (BatchNo (None, None, 512) 2048

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dropout (Dropout) (None, None, 512) 0

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lstm\_1 (LSTM) (None, None, 256) 787456

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batch\_normalization\_1 (Batch (None, None, 256) 1024

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dropout\_1 (Dropout) (None, None, 256) 0

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lstm\_2 (LSTM) (None, None, 128) 197120

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batch\_normalization\_2 (Batch (None, None, 128) 512

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dropout\_2 (Dropout) (None, None, 128) 0

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lstm\_3 (LSTM) (None, None, 64) 49408

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batch\_normalization\_3 (Batch (None, None, 64) 256

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dropout\_3 (Dropout) (None, None, 64) 0

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lstm\_4 (LSTM) (None, 32) 12416

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batch\_normalization\_4 (Batch (None, 32) 128

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dropout\_4 (Dropout) (None, 32) 0

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dense (Dense) (None, 10) 330

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Total params: 2,244,682

Trainable params: 2,242,698

Non-trainable params: 1,984

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