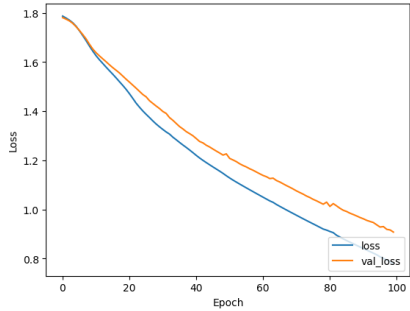
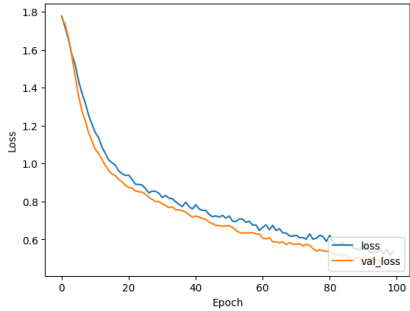


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**1. Model Implementation**

	LSTM	EEGNet
epoch	100	100
training time	15m 19.3s	3m 3.5s
accuracy	0.9079	0.9671
numbers of parameters	85958	2118
training loss curve		
others	The EEGNet has lesser number of parameters, but got a higher accuracy and efficiency than the LSTM model. It is also worthy to notice that the loss curve of the LSTM model decreases slower.	

**2. Model Competition**

From the previous implementation, we can see that EEGNet could have a higher accuracy. So, the model I used here was based on the EEGNet. Though, I added one more LSTM layer to the EEGNet, since the EEG signal may depend on time. The input dimension was adjusted to (200, 22) as a result. Also, the output of the LSTM layer would be reshaped to fit into the input of the EEGNet. The LSTM+EEGNet model iterated 100 times and could reach 0.9868.