

March 26th, 2021

AI+BD ML Lab. Day 5

Early Stopping

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- When the model is too fit to the training dataset so when the performance for non-training data degrades, we call it “overfitted”.
- So how can we prevent it? One way is “early stopping”.



- **Earlystopping can be done with two mechanism.**
 - Wait for “patience” times of no validation loss decreasing.
 - If the era of no validation loss decreasing continues for “patience” times, then stop the training.
 - After stopping the training, set the parameters of network as its best parameter (who shown the lowest validation loss).
- **You can get two advantages from earlystopping**
 - You don’t have to wait for a long time for meaningless training.
 - You can prevent overfitting.
- **But actually earlystopped model has a poor performance than more-trained model.**
 - So, just use earlystopping when you taking aim about the appropriate epoch count.



Code without earlystopping~.ipynb :

<https://git.io/aibd-ne-5>

Code without earlystopping~.ipynb :

<https://git.io/aibd-es-5>