

## ML2021Spring HW4 Report

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Public Score	Private Score
0.95714	0.95722

The methods I used to pass the strong baselines include:

1. Change encoder\_layer to one ConformerBlock.  
(Code reference: <https://github.com/lucidrains/conformer>)
2. Simplify the “nn.Sequential” to one layer.
3. Parameters: d\_model=160, dim\_head = 256, heads = 2, conv\_kernel\_size = 16, attn\_dropout = 0.1, batch\_size=32, total\_steps=300000  
(Other not mentioned parameters remain unchanged.)
4. Ensemble voting five model outputs. ( Five individual outputs in Kaggle public score are ranging from 0.935 to 0.952.)