

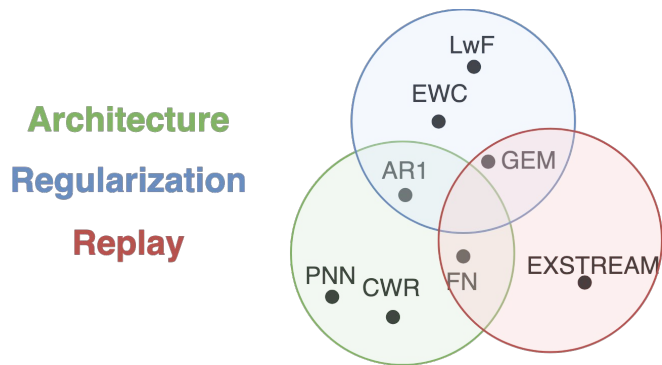


Reducing catastrophic forgetting with learning on synthetic data

Wojciech Masarczyk, Ivona Tautkute



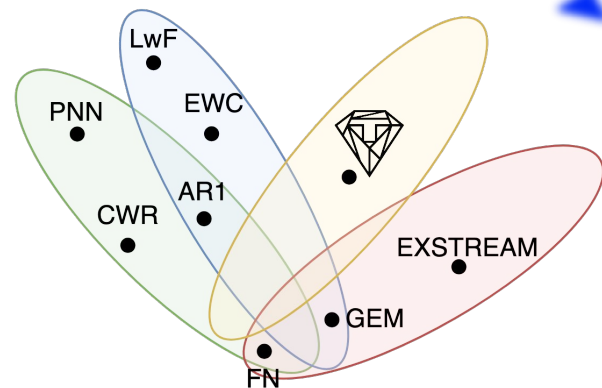
Current approaches



[V. Lomonaco - 2019](#)
[G. I. Parisi et al. - 2018](#)

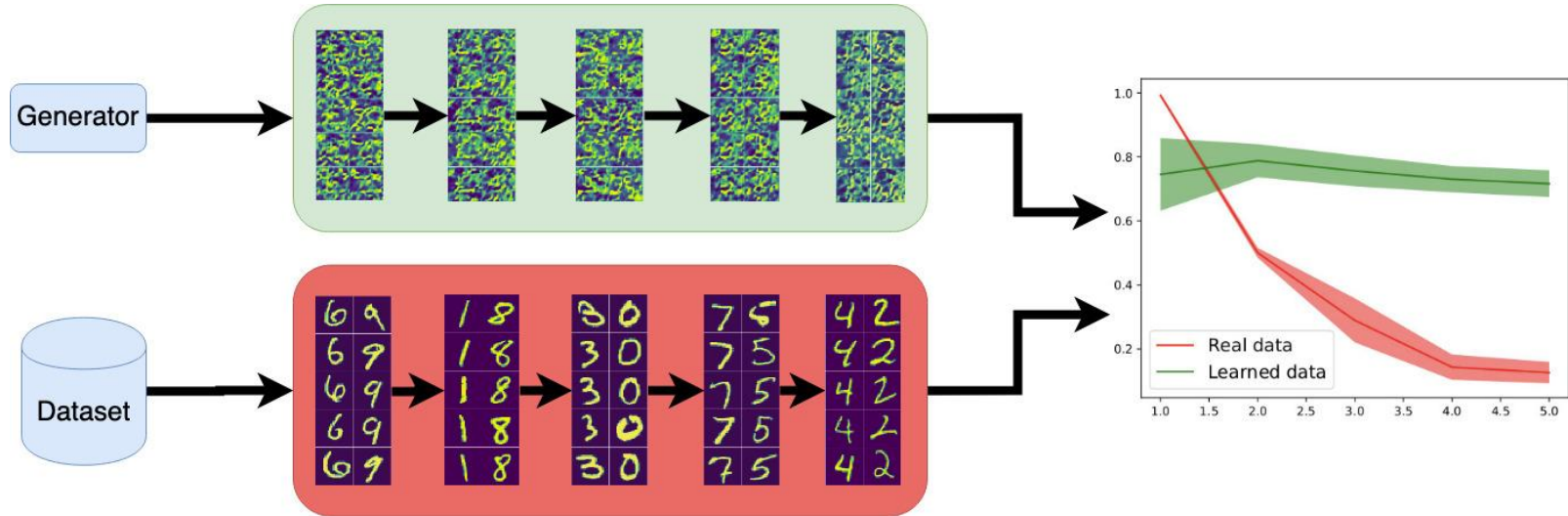


Architecture
Regularization
Replay
Data



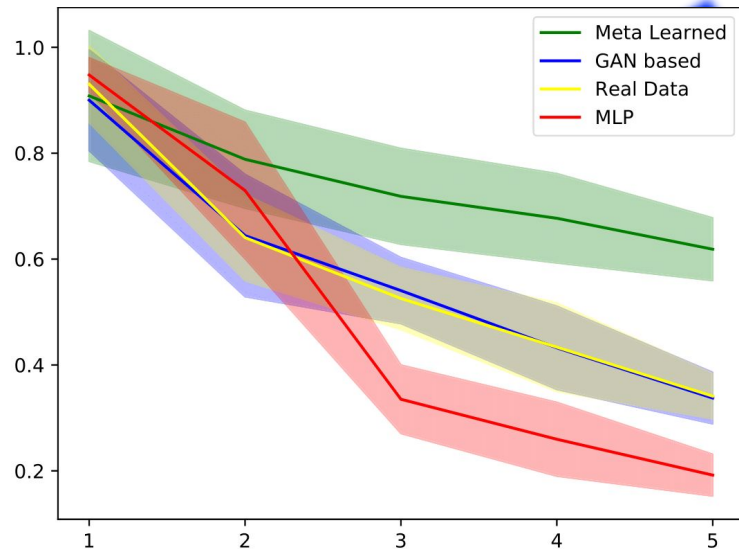
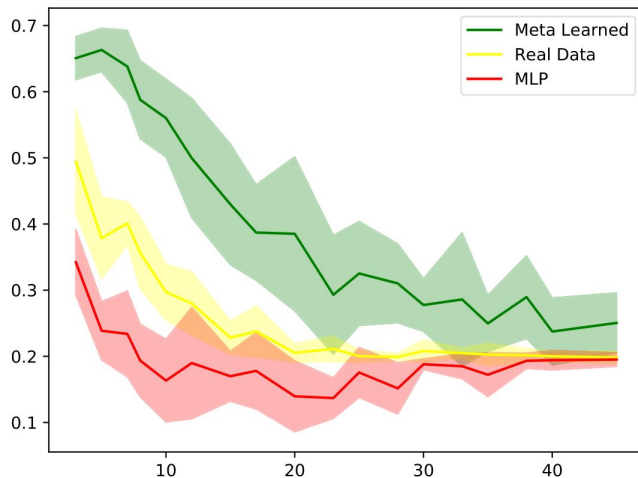
Method

Is it possible to generate such data synthetically which learned in sequence does not result in catastrophic forgetting?



Results

- Hypothesis validated
- Synthetic data can be useful in CL
- Robustness to longer optimization loops



[Check our paper for details!](#)