

Distributed Training of Recurrent Neural Networks by FGM Protocol

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Outline

1 Theoretical Background

- Machine Learning
- Geometric Monitoring Methods

2 Implementation

- Deep Learning using GM protocol
- Deep Learning using FGM protocol

3 Experimental Results

- Protocols comparison
- Safe functions comparison

4 Conclusion

- Contribution
- Future Work



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Future work

- Implement an actual system that uses FGM to train RNNs.
- Use the rebalancing version of FGM to train RNNs.
- Convert the type of learning to online, taking into consideration the Concept Drift.



Questions?

