Implement Temporal Memory Learning sample with Serialization

Information Technology Course

Module Software Engineering

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# Abstract­­

This paper gives an example how Serialization with Temporal Memory can be used in “MultiSequence Learning” project. In this example, the serialization method is implemented to save the trained model of “MSL” and keep it locally on computer. The de-serialization method is also implemented to later load the last trained model which will be the input for the following training. The project aims to make “Predictor” object, which is the output of the “MSL” be serializable. The paper gives a clear demonstration how we could do it easily with the “HtmClassifier”, a class used for serialization which is already implemented in the “NeoCortexApi” solution. The example made in this project will show how the methods for serialization and de-serialization are used to save and load the trained model, how the last trained model will be used for next training.

# Table of Abbreviation

MSL MultiSequence Learning

SP Spatial Pooler

TM Temporal Memory

# Introduction

# Methods

# Results

# Conclusion

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