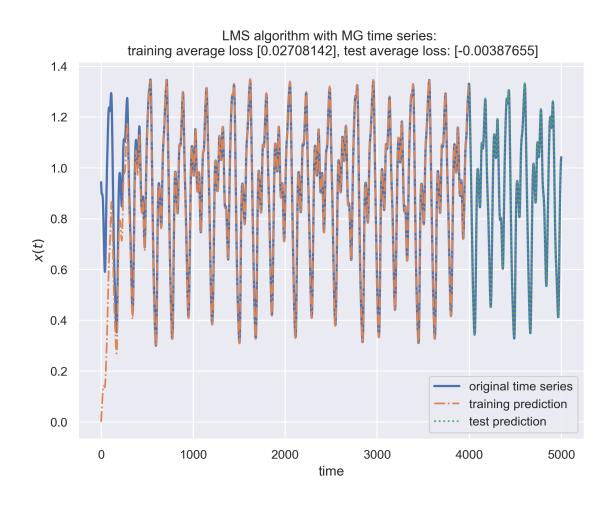# EEE 511 Team Assignment 01

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Widrow-Hoff's LMS algorithm for Mackey Glass time series prediction

Run & Test the LMS algorithm

The dataset (time series) can be generated through `mackey_glass_series.py`

```
python3 mackey_glass_series.py
```

The source code of the data generator is from [NoLiTSA](#). The generated dataset will be directly saved into the `./mackey-glass/data/` folder.

To run / test the LMS algorithm

```
python3 widrow_hoff.py
```

Requirements

```
python       3.7.5
seaborn      0.9.0
numpy        1.17.4
matplotlib   3.1.1
```

It is also feasible to test the LMS algorithm without using the `seaborn`, comment out line 14 of `widrow_hoff.py` then use.