University of Liverpool | MSc Computer Science
COMP702 | Open Source Temporal Network Library

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ATTENDEES

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SYNOPSIS

Weekly meeting

NOTES

Basic package functionality should include creating the network from input data. Adding/removing time stamped edges. Taking measurements/implementing basic algorithms (like demonstrating the optimal/shortest path). The initial network can work with a discrete timeline/timestamps (natural numbers). The timeline can be assumed to be an input parameter or sequence of edges. Later, a more general set of timestamps could be defined with floats, to represent a continuous timeline.

Some other implementations include teneto, pathpy. Both packages work on a single class implementation (network), with time-stamped edges & vertices loaded into a dictionary. Proposed to create a more generalized/granular framework that uses more classes for components like the edges & vertices themselves (good idea).

ACTION ITEMS

- Continue research into temporal networks (build base knowledge).
- Start logbook.