

User Instructions

jTLEX: A Java Library for Timeline Extraction

How to Use

jTLEX is a java library made with the intention of taking files in the TimeML format and parsing them to produce a timeline of the events within presented in a means that provides a simpler means of understanding information within. Due to jTLEX being a java library the way in which to make use of the jTLEX library is to download the jTLEX library and add it to your class path. Once the jTLEX library has been added to your class path you will then be able to use the classes from the jTLEX library as you would with any of the default java library classes, by importing the jTLEX class that you wish to use in the code you are currently writing (i.e., import edu.fiu.jtlex.data.GraphTCSP;).

Features

The jTLEX java library contains several classes intended for the purpose of parsing TimeML files. Some of the jTLEX library features are as follows:

- TimeMLParser – a class which goes through a TimeML and parses it to produce the time, event, and link tags from the text within the file to allow for an easier means of understanding the TimeML file.
- Graph – a class which takes a TimeML file and produces a graph with the info from the file.
- GraphTCSP – a class which takes a TimeML graph and converts it into a Temporal Constraint Satisfaction Problem.
- IndeterminacyDetector – a class which locates any timepoint links in a TimeML graph which are indeterminant and returns a list of the indeterminant time points.
- InconsistencyDetector – a class which takes a TimeML graph and determines if it contains any inconsistencies, if any inconsistencies are located splits them of into a subgraph.
- Timeline – a class which creates an ordered list of the extracted events from a TimeML graph.