**How to read and interpret the comma separated file for CNTRO Timeline for a given annotation?**

For each note-annotation (OWL) file, CNTRO timeline library creates a comma-separated (CSV) file. This file when opened in MS Excel will show you the information extracted/inferred from annotation file.

Annotators and reviewers can review and edit the information and report about any information, which is different from expected.

* **Please note to open this csv file use MS Excel and when you save this file – choose “Save As…” csv file.**
* **Please review and make note of file name or which patient note, you reviewed and found errors.**

When you open the file it will have the following parts:

1. **Relationship Matrix:**

In this section events are assigned integer ID’s starting with zero (0).

Columns are temporal relations.



In this example (taken from TDS\_3.csv), We have 6 events from (EVENT 0 to Event 5). Their relation with other Events are shown in this matrix. For example “Event 3 is BEFORE Event 4”. An event can be related to multiple events, for example here “Event 1 is BEFORE Event 2, 3, and 4”. If one event is related to multiple events, then target events IDs delimited by a semicolon (“;”). Please note that this is a CSV file so we did not use comma “,” as delimiter.

Please review the relationships that are based on asserted and inferred relationships exported from the Pellet reasoner.

If you have to edit (for correction) the entries, please add or delete along with semicolons with it. For example, if we have add EVENTID-5 to EVENTID-2 for BEFORE relation:

From: “EVENTID-2” 🡪 BEFORE 🡪 “3;4”

To: “EVENTID-2” 🡪 BEFORE 🡪 “3;4;5”

If you have to delete a target item: Let’s say delete target Event 4 from BEFORE relation, then:

From: “EVENTID-2” 🡪 BEFORE 🡪 “3;4”

To: “EVENTID-2” 🡪 BEFORE 🡪 “3”

If there is no target event and you want to add one, then just put the Event ID in empty cell.

1. **Event Description:**

This section describes Events. This section is useful to map which event id is mapped to which event.

For example Events above has following description in the csv file:



You can also review their time information and please note down if something is missing or wrong.

1. Asserted and Inferred Relations:

This section lists out the asserted and inferred relationships between two events. Please note down that event descriptions text strings may be truncated to 50 characters (max), to make it align better.



1. Timeline Buckets:

This last section is display the sequence that timeline library exports. This is the computed sequence of events that library understand. If two events are equal or start at the same time, they will appear on same line and in same bucket (between curly brackets).

Please review and make notes of incorrect sequence entries.

