

Finite State Automata and Transducers with SFST

Lab Session

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The main goal of this lab session is to make you familiarize with the concepts of *finite state automata and transducers in SFST*. The Stuttgart Finite State Transducer (SFST) is a toolbox for the implementation of morphological analysers and other tools which are based on finite state transducer technology (source: <http://www.cis.uni-muenchen.de/~schmid/tools/SFST/>)

Prerequisites

Please download the the example files discussed in the tutorial from ILIAS (examples.zip). Moreover, you can find all the required files to run the SFST toolbox in:

```
/mount/studenten/MethodsCL/2019/NLP/tools/SFST
```

In order to easily run the executables from the terminal you should add the following path to your \$PATH variable. In the terminal, type (all on the same line and without spaces):

```
PATH=/mount/studenten/MethodsCL/2019/NLP/tools/SFST/src:$PATH
```

Please note that this makes a temporary change to your home environment; if you open a new terminal window, you should follow the same procedure again.

If you want to work locally on your laptop, you can download the most recent SFST tool from: <http://www.cis.uni-muenchen.de/~schmid/tools/SFST> and add the path as described (remember to change to folder structure accordingly).

Task 1

Today you will work on the SFST tutorial by Prof. Stefan Evert. Please, download the tutorial from ILIAS and start working on it.