

In the present work we study methods for testing regular inference algorithms. First there are introduced some theoretical basics for finite state automata and regular inference. Next we present some finite state automata learning algorithms, their principles and used testing methods, which find out algorithms quality via testing resulting automata. Following text makes the training and testing data generating process clear, describes format for saving this data and for saving finite state automata and finally the algorithms testing run alone, too. The application implementing present testing methods is a part of this work as well. It saves result statistics in chosen format. In appendices we append user and programmer documentation for this application.