

Goal of this work was to develop a tool for testing algorithms of grammatical inference of context-free languages. Grammatical inference is a process of learning of grammars and languages from data. Learning could mean finding a suitable model that describes data. Due to this model we could for instance compress this data, create new data or find out which data are consistent with this model. The model in our tool is context-free grammar. We describe how to generate the context-free grammar and data from which the algorithm can try to learn the language of this grammar. The problem of context-free grammar complexity was solved in order to evaluate success achieved by an algorithm in different learning tasks. Also some alternatives of evaluating success of an algorithm are described. This tool is also useful to create data for publishing results of the algorithm.