
The pipeline processing of NLP



B.B.Elov, Sh.M.Khamroeva, Z.Y.Xusainova

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Abstract

The problem of NLP should be divided into several small parts and solved step by step. In this article, where NLP is necessary at every stage of solving the problem, all forms of text processing are considered. The step-by-step text processing is called a pipeline process in NLP. When creating any NLP model, the pipeline process is a sequence of steps that must be carried out. The planning and development of the text processing is considered as the starting point for the creation of any NLP project. This article discusses the steps involved in implementing a pipeline process and their role in solving NLP tasks. This article analyzed the most common preliminary processing steps on the NLP processing pipeline. All processing stages are pre-trained in various NLP libraries, identified as usable models. If necessary, additional, modified preprocessing steps can be developed depending on the given problem condition. One can determine how a particular initial processing stage serves a given NLP problem by many experimentations.

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