

The thesis is a summary of the state-of-the-art language technologies could be used for automation of the coding phase of the quantitative content analysis pipeline. After a short introduction to the methodology of the quantitative content analysis, an overview of the available software solutions is presented. The current offer is compared with what was available in 2002. The biggest part of the thesis introduces readers to the natural language processing methods applicable while developing a system for automated quantitative content analysis. Those are both well known methods which are very likely implemented in the currently existing software and both recently published techniques which exist only as research prototypes. For better understanding of the technological parts, the last chapter contains a brief explanation of some more complex mathematical concept which are frequently used in the previous chapters.