

PhD Eng. Piotr Jozwiak, assistant professor  
Lodz University of Technology, Department of System Management and Innovation,  
Faculty of Organization and Management  
email: piotrj@p.lodz.pl, +48 6313759

## MONITORING OF TECHNOLOGIES DEVELOPMENT FOR AUTOMOTIVE INDUSTRY WITH TEXTMINIG

### Introduction.

Text mining methods is growing field of knowledge management with new applications appearing in last years. With this paper author is analyzing possibility to apply text mining methods to unstructured data in automotive industry field for technology monitoring purposes.

### Research

As research source abstracts coming from Ebsco Information Services online database ebscohost.com available at Lodz University of Technology were used. Database was searched with phrase “autonomous vehicles”. Search phrase selection was related to author interests in topic based on information on such prototype vehicles coming from car manufacturers like Toyota, Volvo and new players like Google and also as author is working on design of autonomous innovation support system.

Results were limited to come from papers published in year 2015. As result 11882 articles in English language were returned and for this article research purposes first 100 articles sorted by relevance according to Ebsco algorithms were selected.

Data analysis was performed with Rapidminer 5 software with text mining extension installed. Process screenshot is presented on figure 1.

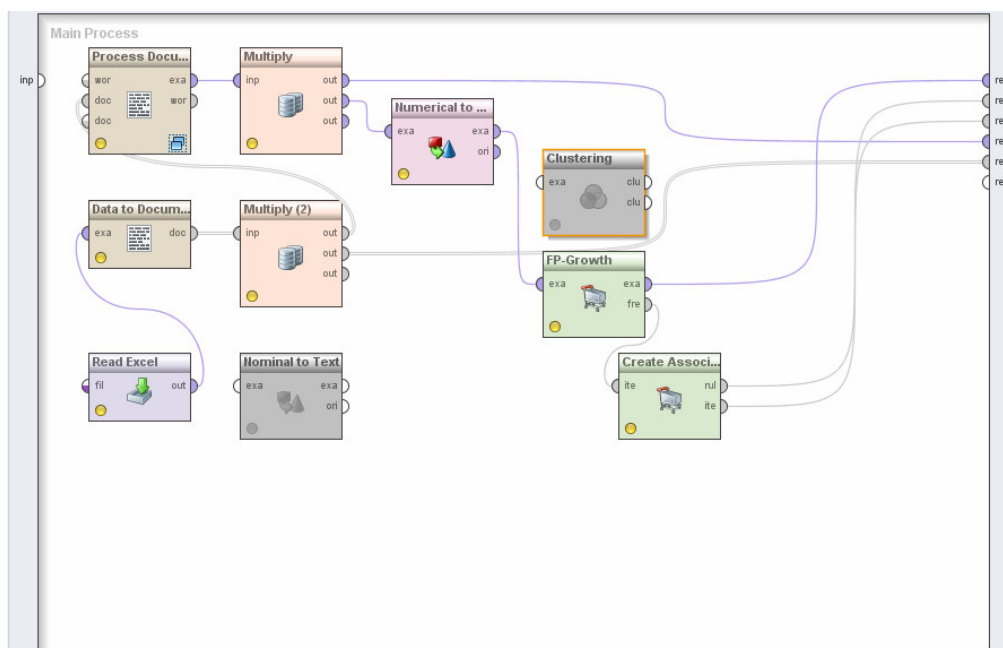


Figure 1. Text mining process in Rapidminer

