

# Pre-experiment on using semantic information for improvement of coreference resolution for Russian

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**Abstract.** Coreference resolution is not an easy task, and more so because one referent can be represented in text by different NPs. Several ways of solving this problem have been suggested, among which is using semantic information of the referent. With the goal of eventually creating a coreference resolver for Russian, I considered this idea as potentially improving quality of the analysis. As the result of a pre-experiment, which consisted in training a machine learning-based coreference resolver with semantic information as a feature, an increase in quality was observed, inspiring further work in this direction.

**Keywords:** coreference resolution, semantic information