APEM: Automatic paraphrase evaluation using morphological analysis for the Korean language

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Abstract — Paraphrase evaluation is used to determine whether two input sentences share a same meaning. The automatic analysis for paraphrase evaluation technology has a potential use in the area of information retrieval technology since correctly paraphrased sentences can be used as alternative input sentences in the retrieval process. In this paper, we suggest an automatic paraphrase evaluation method using morphological analysis (APEM), which is suitable for the Korean language. Using APEM and its variations, we present preliminary results on how our automatic evaluation scores compare to the existing method of bilingual evaluation understudy (BLEU).

Keyword — Morphological analysis, Paraphrase evaluation

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