Automated Essay Rater using Natural Language Processing

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Authors:
Shristi Drolia, Shrey Rupani, Pooja Agarwal, Abheejeet Singh

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Abstract

This paper proposes a regression based approach for automatically scoring essays that are written in English. We have used standard Natural Language Processing (NLP) techniques for extracting the features from the essays. We extensively evaluate our approach on a benchmark database and demonstrate that the result obtained is comparable to human evaluators while at a much faster rate. We also analyze how the essays are scored to get a better understanding about the proposed approach.

References

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Index Terms

Computer Science

Information Sciences

Keywords

ETS, NLP, BOW, NLTK