Submission Summary

Conference Name
Innovations in Intelligent Systems and Applications Conference

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Paper Title
Improving Educational Textbooks with Data Mining Techniques

Abstract
Books are a crucial component of every educational system. Regrettably, a lot of textbooks developed in poorer nations are poorly written and often don't adequately cover key ideas. We suggest using technology to improve textbooks with reliable online material in order to solve this issue. For major ideas covered in the section, we supplement textbooks at the section level. Data mining concepts are used to find the concepts that need augmentation as well as the linkages to the reliable information that should be utilized for augmentation. Our analysis demonstrates that we can use automated techniques to add high-quality augmentations to textbooks across a range of subjects and grade levels.

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Primary Subject Area
Veri madenciliği / Data Mining

Secondary Subject Areas
Doğal Dil İşleme / Natural Language Processing
Makine Öğrenmesi / Machine Learning
Yapay Zeka / Artificial Intelligence

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