Event extraction using iterative optimization

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Abstract

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1 Introduction

This is the introduction section.

2 Previous Work

This file is for previous approaches

3 Data

In this project, the dataset was prepared by annotating 125 paragraphs from different chapters of the text book *Biology (Eighth Edition)* by *Neil A. Campbell* and *Jane B. Reece*. Each paragraph is a text file and has an associated annotation file that indicates the different events and entities (by their character offsets in the original paragraph) and the event-entity and event-event relationships. The annotations were done by experts in the field (employees of the company Vulcan). Since there is not much data at our disposal, we split the data by a proportion of 70-30% for training and testing. We randomly permute the order of files to avoid similarities in adjacent files and then use 10 fold cross validation on the training set. For event prediction, we use F1 score based on the trigger predictions made. In entity prediction, the F1 score is based on whether an entity was predicted correctly along with its association with the corresponding event.

4 Model

This file is for model overview.
This file is for model triggers.
This file is for argument prediction model.
This file is for iterative optimization.
This file is for model on SRL.

5 Results

This section talks about results

6 Analysis

This section is for analysis of models

7 Conclusion

This section is for conclusion

Acknowledgments

Do not number the acknowledgment section. Do not include this section when submitting your paper for review.

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