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Automatical Detection of Miscommunication: Chatbots

Research Internship Project Report
Master's Thesis SLT (B-KUL-H02J9B)

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1 Introduction

amount of chatbots grow -> qiality of communication is crucial -> miscommunication problems mainly occur on the behalf of the bot -> to avoid the micommuniocation breakdown detection is very important. Breakdown is point in a dialogue when the interaction is interrupted with or without completion of the performed task [1].

2 Task Description

3 Background and Related Work

Methods: CRF(baseline), rule-based, SVM-based, RNN, LSTM, NCM
sota: LSTM. Features: word frequency vectors based on Word2Vec

4 Datasets

5 Model Design

References

[1] B. Martinovsky and D. Traum, "The error is the clue: Breakdown in human-machine interaction," Institute for Creative Technologies, University of Southern California, Tech. Rep., 2006.