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# Exploring the Naturalness of Buggy Code with Recurrent Neural Networks

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## Abstract

Statistical language models are powerful tools which have been used for many tasks within natural language processing. Recently, they have been used for other sequential data such as source code. (Ray et al., 2015)

## 1. Introduction

## 2. Related Work

## 3. Methods

### 3.1. Recurrent Neural Network Language Model

### 3.2. Experimental Setup

## 4. Results

## 5. Threats to Validity

## 6. Conclusion

## References

Ray, Baishakhi, Hellendoorn, Vincent, Tu, Zhaopeng, Nguyen, Connie, Godhane, Saheel, Bacchelli, Alberto, and Devanbu, Premkumar. On the "naturalness" of buggy code. *arXiv preprint arXiv:1506.01159*, 2015.