Exploring Software Library Metrics with Repository Badges

by

Monica Bui
University of Alberta
bui1@ualberta.ca

Contents

1 Introduction **2**

2 Related Work **3**
2.1 Library Selection Goals . . . 3
2.2 Metrics . . . 3
2.2.1 Quality Assurance . . . 3
2.2.2 Community Support . . . 3
2.2.3 Repository General Information . . . 3
2.3 Summary . . . 3

3 Background **3**
3.1 Badges . . . 3
3.2 Online Badge Services . . . 3

4 Badge Implementation **3**
4.1 Overarching Structure of Scripts . . . 3
4.2 Security . . . 3
4.3 Last Discussed on Stack Overflow . . . 3
4.4 Issue Response Time . . . 3
4.5 Contributor Pull Request Merge Rate . . . 3
4.6 Release Frequency . . . 3

5 Evaluation **3**
5.1 Open Source Evaluation . . . 3
5.2 Future Work Evaluation . . . 3

6 Threats to Validity and Limitations **3**
6.1 Internal Validity . . . 3
6.2 External Validity . . . 3
6.3 Limitations . . . 3

7 Conclusion and Future Work **3**

1 Introduction

asdsd

2 Related Work

2.1 Library Selection Goals

2.2 Metrics

2.2.1 Quality Assurance

2.2.2 Community Support

2.2.3 Repository General Information

2.3 Summary

3 Background

3.1 Badges

3.2 Online Badge Services

4 Badge Implementation

4.1 Overarching Structure of Scripts

4.2 Security

4.3 Last Discussed on Stack Overflow

4.4 Issue Response Time

4.5 Contributor Pull Request Merge Rate

4.6 Release Frequency

5 Evaluation

5.1 Open Source Evaluation

5.2 Future Work Evaluation

6 Threats to Validity and Limitations

6.1 Internal Validity 3

6.2 External Validity

6.3 Limitations

7 Conclusion and Future Work

References