

# To be Defined

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**Abstract—TBD**

**Index Terms—Software Engineering, Software Maintenance,  
Software Quality, Open Source Software**

## I. INTRODUCTION

A. *TBD*

TBD

B. *TBD*

TBD

## II. RELATED WORKS

[1]

## III. RESEARCH QUESTIONS

A. *Do different type of changes have different level of impact on software quality?*

B. *Do longer commit messages imply higher software quality?*

C. *Is there any relation between commit message lengths and commit types?*

Are those relations causal relations or correlations?

## IV. DATA COLLECTION

## V. APPROACH

To be defined

## VI. RESULTS

To be defined

## VII. THREATS TO VALIDITY

TBD

## VIII. CONCLUSIONS

To be defined

## ACKNOWLEDGMENT

TBD

## REFERENCES

- [1] A. Hindle, D. M. German, M. W. Godfrey, and R. C. Holt, "Automatic classification of large changes into maintenance categories," in *2009 IEEE 17th International Conference on Program Comprehension*, May 2009, pp. 30–39.