

AN ABSTRACT OF THE THESIS OF

Rithika Kiran Naik for the degree of Master of Science in Computer Science presented on XYZ 32, 2015.

Title: Visualizing Contribution Patterns in Open Source

Abstract approved: _____

Dr Carlos Jensen

The term Open source was first coined by a group of people, part of the Free Software Movement who wanted to reform the whole meaning and use of free software. Open Source software gives users the freedom to copy, modify and redistribute source code without having to pay any amount of money to an organization or individual. The evolution of these softwares usually depend a lot on how the participating crowd interact and co-operate with each other. Over the past few years, open source software have become widely accepted and used hence making their study a very hot topic. To understand the working philosophy of any open source software one needs to look into a variety of factors like community interaction, strength, evolution, support and contribution patterns. Bitergia is one such organization which is highly involved in getting, providing and analyzing Software Development metrics and information for open source projects. The main idea behind this thesis work is to understand contribution patterns by the community in few open source projects by the means of various visualizations. Data visualization has gained a lot of popularity as it helps in easy analysis of huge amounts of information quickly. We have hence taken up the task of improving the existing visualizations by Bitergia into visualizations which will help in taking informed decisions clearly. We have taken datasets from the following open source projects : Eclipse Foundation, OpenStack Foundation, Puppet Labs, Red Hat, Citrix and Wikimedia Foundation.

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Visualizing Contribution Patterns in Open Source

by

Rithika Kiran Naik

A THESIS

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I understand that my thesis will become part of the permanent collection of Oregon State University libraries. My signature below authorizes release of my thesis to any reader upon request.

Rithika Kiran Naik, Author

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Thank you mummy daddy :D

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Chapter 1: Introduction

I have done some excellent research [?].

1.1 Introduction to the Introduction

Box

Figure 1.1: Go figure.

Chapter 2: Conclusion

Wow, that really was excellent.

2.1 Fin

This is the end, my only friend, the end.

APPENDICES

Appendix A: Redundancy

This appendix is inoperable.

