

Universität Leipzig Fakultät für Mathematik und Informatik Institut für Informatik

LEARNING ARBITRARY RDF DATASET ENRICHMENT GRAPHS USING PRE- & POSTCONDITION BROADCASTING

Leipzig, February 2019

vorgelegt von Kevin Dreßler Studiengang Informatik

Betreuender Hochschullehrer: Prof. Dr. Axel-Cyrille Ngonga Ngomo





Short summary of the contents in English...a great guide by Kent Beck how to write good abstracts can be found here:

https://plg.uwaterloo.ca/~migod/research/beck00PSLA.html

ZUSAMMENFASSUNG

Kurze Zusammenfassung des Inhaltes in deutscher Sprache...



We have seen that computer programming is an art, because it applies accumulated knowledge to the world, because it requires skill and ingenuity, and especially because it produces objects of beauty.

— knuth:1974 [knuth:1974]

ACKNOWLEDGMENTS

Put your acknowledgments here.

Many thanks to everybody who already sent me a postcard!

Regarding the typography and other help, many thanks go to Marco Kuhlmann, Philipp Lehman, Lothar Schlesier, Jim Young, Lorenzo Pantieri and Enrico Gregorio¹, Jörg Sommer, Joachim Köstler, Daniel Gottschlag, Denis Aydin, Paride Legovini, Steffen Prochnow, Nicolas Repp, Hinrich Harms, Roland Winkler, Jörg Weber, Henri Menke, Claus Lahiri, Clemens Niederberger, Stefano Bragaglia, Jörn Hees, Scott Lowe, Dave Howcroft, José M. Alcaide, David Carlisle, Ulrike Fischer, Hugues de Lassus, Csaba Hajdu, Dave Howcroft, and the whole LATEX-community for support, ideas and some great software.

Regarding LyX: The LyX port was intially done by *Nicholas Mariette* in March 2009 and continued by *Ivo Pletikosić* in 2011. Thank you very much for your work and for the contributions to the original style.

¹ Members of GuIT (Gruppo Italiano Utilizzatori di TEX e LATEX)



CONTENTS

1	INTRODUCTION	1
	1.1 Motivation	1
	1.2 Objective	1
	1.3 Goals/Reseach Questions	1
2	PRELIMINARIES	3
	2.1 Linked Data	3
	2.2 Linked Data Integration	3
	2.2.1 DEER	3
	2.3 Genetic Programming	3
3	RELATED WORK	5
	3.1 Linked Data	5
	3.2 Linked Data Integration	5
	3.3 Genetic Programming	5
4	APPROACH	7
5	EVALUATION	9
	5.1 Experimental Setup	9
	5.2 Results & Discussion	9
6	CONCLUSION & FUTURE WORK	11
I	APPENDIX	
Α	APPENDIX	15

LIST OF FIGURES

LIST OF TABLES

LISTINGS

Listing A.1 A floating example (listings manual) 15

ACRONYMS

INTRODUCTION

- 1.1 MOTIVATION
- 1.2 OBJECTIVE
- 1.3 GOALS/RESEACH QUESTIONS



PRELIMINARIES

- 2.1 LINKED DATA
- 2.2 LINKED DATA INTEGRATION
- 2.2.1 DEER
- 2.3 GENETIC PROGRAMMING



RELATED WORK

- 3.1 LINKED DATA
- 3.2 LINKED DATA INTEGRATION
- 3.3 GENETIC PROGRAMMING



APPROACH



EVALUATION

- 5.1 EXPERIMENTAL SETUP
- 5.2 RESULTS & DISCUSSION



CONCLUSION & FUTURE WORK



Part I APPENDIX



APPENDIX



Listing A.1: A floating example (listings manual)

```
for i:=maxint downto 0 do
begin
{ do nothing }
end;
```



DECLARATION	
Put your declaration here.	
Leipzig, February 2019	
	Kevin Dreßler