Determining the Influence of Papyrus Characteristics and Data Augmentation on Fragments Retrieval with Deep Metric Learning

Master's Thesis in Computer Science

submitted by

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iii

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Zusammenfassung

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsu. Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsu. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsu.

Abstract

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Contents

Zusammenfassung			
\mathbf{A}	bstrac	vi	ii
Li	st of l	igures x	αi
Li	st of T	ables xii	ii
1	Intr	duction	1
	1.1	Structure	2
	1.2	Contribution	2
	1.3	Outline	3
2	Stat	of the Art	5
3	Algo	rithms as Puzzle Helper	7
	3.1	Goals and Questions	7
	3.2	Methods	8
	3.3	Results	8
	3.4	Evaluation	8
4	Sepa	rating Text and Papyrus Fibers 11	1
	4.1	Goals and Questions	1
	4.2	Methods	2
	4.3	Results	2
	4.4	Evaluation	2

X CONTENTS

5	Gen	nerating Historical Documents	15		
	5.1	Goals and Questions	15		
	5.2	Methods	16		
	5.3	Results	16		
	5.4	Evaluation	16		
6	Exp	oloding Papyrus Fibers	19		
	6.1	Goals and Questions	19		
	6.2	Methods	20		
	6.3	Results	20		
	6.4	Evaluation	20		
7	Discussion				
	7.1	Impact of Text and Fiber Separation	23		
	7.2	Impact of Generating Artificial Data	24		
	7.3	Impact of Exploiting the Fibers	25		
8	Con	nclusion	27		
	8.1	Learnings and Findings	27		
	8.2	Future Work	28		
Bi		Future Work	28 29		

List of Figures

List of Tables

Introduction

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State of the Art

Algorithms as Puzzle Helper

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3.1 Goals and Questions

3.2 Methods

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Separating Text and Papyrus Fibers

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Generating Historical Documents

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Exploding Papyrus Fibers

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Discussion

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7.1 Impact of Text and Fiber Separation

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7.2 Impact of Generating Artificial Data

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7.3 Impact of Exploiting the Fibers

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Conclusion

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8.1 Learnings and Findings

8.2 Future Work

Bibliography

Appendix A

Appendix

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