



Pós-Graduação em Ciência da Computação

# “Adaptive SOM-based Clustering for multiple dissimilarity data tables”

By

**Anderson Berg dos Santos Dantas**

M.Sc. Dissertation



Federal University of Pernambuco

[posgraduacao@cin.ufpe.br](mailto:posgraduacao@cin.ufpe.br)

[www.cin.ufpe.br/~posgraduacao](http://www.cin.ufpe.br/~posgraduacao)

RECIFE, JULY/2011



Federal University of Pernambuco  
Center for Informatics  
Graduate in Computer Science

Anderson Berg dos Santos Dantas

**“Adaptive SOM-based Clustering for multiple  
dissimilarity data tables”**

*A M.Sc. Dissertation presented to the Center for Informatics  
of Federal University of Pernambuco in partial fulfillment  
of the requirements for the degree of Master of Science in  
Computer Science.*

*Advisor: Francisco de Assis Tenório de Carvalho*

RECIFE, JULY/2011



# Acknowledgements

I would like to thank and dedicate this dissertation to the following people: . . .

*I open my eyes each morning I rise, to find a true  
thought, know that it's real, I'm lucky to breathe,  
I'm lucky to feel, I'm glad to wake up, I'm glad to be  
here, with all of this world, and all of it's pain, all  
of it's lies, and all of it's flipped down, I still  
feel a sense of freedom, so glad I'm around,*

*It's my freedom, can't take it from me, i know it, it  
won't change, but we need some understanding, I know  
we'll be all right.*

—S.O.JA. (Open My Eyes)

# Resumo

# Abstract

# Contents

<b>List of Figures</b>	<b>ix</b>
<b>List of Tables</b>	<b>x</b>
<b>1 Métodos de agrupamento</b>	<b>1</b>
<b>Bibliography</b>	<b>2</b>
<b>Appendices</b>	<b>2</b>



# List of Figures

# List of Tables

# 1

## Métodos de agrupamento

Os métodos de agrupamento (*clustering*) buscam organizar um conjunto de dados em grupos, tais que objetos dentro de um certo agrupamento possuem alto grau de similaridade, enquanto que objetos de diferentes agrupamentos possuem um alto grau de dissimilaridade.

# **Appendices**