

FEDERAL UNIVERSITY OF RIO GRANDE DO NORTE CENTER FOR EXACT AND EARTH SCIENCES BACHELOR IN COMPUTER SCIENCE



Title

Author

Natal-RN October 24, 2019

Author

Title

Undergraduate Report presented as a partial requirement for obtaining the degree of Bachelor in Computer Science.

Advisor Márjory da Costa Abreu, PhD

FEDERAL UNIVERSITY OF RIO GRANDE DO NORTE - UFRN

Universidade Federal do Rio Grande do Norte - UFRN Sistema de Bibliotecas - SISBI

Catalogação de Publicação na Fonte. UFRN - Biblioteca Setorial Prof. Ronaldo Xavier de Arruda - CCET

Lima, Thales Aguiar de.

An investigation of type-1 adaptive neural fuzzy inference system for speech reconigtion / Thales Aguiar de Lima. - 2018. 45f.: il.

Monografia (graduação) - Universidade Federal do Rio Grande do Norte, Centro de Ciências Exatas e da Terra, Departamento de Informática e Matemática Aplicada, Bacharelado em Ciência da Computação. Natal, 2018.

Orientadora: Márjory da Costa Abreu.

Computação. 2. ANFIS. 3. Speech recognition. 4. Phoneme.
 Fuzzy sets. 6. Neural networks. I. Abreu, Márjory da Costa.
 Título.

RN/UF/CCET CDU 004

Elaborado por Joseneide Ferreira Dantas - CRB-15/324

Undergraduate thesis under the title An Investigation of Type-1 Adaptive Neural Fuzzy Inference System for Speech Reconigtion presented by Thales Aguiar de Lima and accepted by the Federal University of Rio Grande do Norte, being approved by all the members of the examining board specified below:

PhD. Márjory da Costa Abreu
Advisor
Department of Informatics and Applid Mathmatics
Federal University of Rio Grande do Norte



Acknowledgments

Thanks!

"Too much pain, not enough profit."

Viddar, The Collector - Diablo 3

Title

Author: Author

Advisor: Márjory Da Costa Abreu, PhD

ABSTRACT

This is the abstract.

Keywords: Key1, Key2.

Contents

List of figures	
List of tables	
List of abbreviations	
1 Introduction	p. 12
2 Chapter 2	p. 13
3 Chapter 3	p. 14
4 Chapter 4	p. 15
5 Discussion of results and analysis	p. 16
6 Final Remarks	p. 17
References	p. 18

List of figures

List of tables

List of abbreviations

1 Introduction

Intro (COSTA-ABREU; BEZERRA, 2019).

2 Chapter 2

Chapter 2.

3 Chapter 3

Chapter 3

4 Chapter 4

Chapter 4.

5 Discussion of results and analysis

Results.

6 Final Remarks

Final.

References

COSTA-ABREU, M. D. D.; BEZERRA, G. S. Famos: a framework for investigating the use of face features to identify spontaneous emotions. *Pattern Analysis and Applications*, v. 22, n. 2, p. 683–701, May 2019. ISSN 1433-755X.