

# Scalable Lifelong Reinforcement Learning through the introduction of a Kullback-Leibler Policy Chain



Christopher Doyle

Department of Computer Science and Statistics

Trinity College Dublin

*Supervisor*

Prof. Ivana Dusparic

In partial fulfillment of the requirements for the degree of

*Bachelors in Computer and Electronic Engineering*

May 28, 2019



## Acknowledgements

Write here your acknowledgements...

Thesis dedication goes here...

# Abstract

The abstract goes here. The abstract should be self-contained and:

- clearly state the problem dealt with by the thesis;
- give a synthetic description of the proposed solution;
- highlight the sense in which the proposed solution enhances the state of the art.

# Contents

<b>1</b>	<b>Introduction</b>	<b>1</b>
1.1	Motivations . . . . .	1
1.2	Context of the Study . . . . .	1
1.3	Objectives and Contributions . . . . .	1
1.4	Overview of the Thesis . . . . .	1
<b>2</b>	<b>State of the Art</b>	<b>2</b>
2.1	Section One name . . . . .	2
2.1.1	Subsection One name . . . . .	2
<b>3</b>	<b>System’s Architecture</b>	<b>3</b>
3.1	Section 1 . . . . .	3
<b>4</b>	<b>Methodology</b>	<b>4</b>
4.1	Section 1 . . . . .	4
<b>5</b>	<b>Experimental Results</b>	<b>5</b>
5.1	Section 1 . . . . .	5
<b>6</b>	<b>Conclusions</b>	<b>6</b>

## List of Figures

# List of Tables



# Chapter 1

## Introduction

### 1.1 Motivations

### 1.2 Context of the Study

### 1.3 Objectives and Contributions

### 1.4 Overview of the Thesis

# Chapter 2

## State of the Art

### Summary

Describe here the state of the art of the research pertaining to this thesis. This part should contain all the relevant publications in the area with the corresponding citations. The cited works should be briefly described critically assessed.

### 2.1 Section One name

#### 2.1.1 Subsection One name

# Chapter 3

## System's Architecture

### Summary

short summary of the chapter...

One or more chapters should be devoted to the description of the proposed approach...

In particular, this chapter describes the design adopted by this research to achieve the aims and objectives stated in the Introduction.

### 3.1 Section 1

# Chapter 4

## Methodology

### Summary

Discuss here the methodology used in the study, the stages by which the methodology was implemented, and the research design; For examples, one section details the participants in the study, another section lists all the instruments used in the study and justifies their use; another section outlines the procedure (algorithms, code,..) used; a section discusses how the data was analysed, etc..

### 4.1 Section 1

# Chapter 5

## Experimental Results

### Summary

Details all the results of your study here ( exploits graphics for results visualization). This chapter should also contain a full discussion, interpretation and evaluation of the results.

### 5.1 Section 1

# Chapter 6

## Conclusions

Conclusions should summarize the problem, the solution and its main innovative features, outlining future work on the topic or application scenarios of the proposed solution.