Imperial College London

Individual Project

Department of Computing

Imperial College of Science, Technology and Medicine

Using Answer Set Grammars For Text Summarization

Author:
Julien Amblard

Supervisor:
Alessandra Russo

Tuesday 19$^{\text{th}}$ May, 2020

Contents

Chapter 1 **Introduction**

- General Problem
    - Specific Problem
    - Objectives

Chapter 2 **Background**

- Learning answer sets -¿ learning ASG
    - Encoder-decoder overview

Chapter 3 **Contributions**

- Overview of architecture
  - High-level diagram
  - Sub diagrams
  - Lots of interesting examples
  - Learning is not really learning (ASG never learns how to summarize, we build in rules of feature extraction)
  - Motivate steps (Preprocessor make job easier for ASG, making better quality summary)

Chapter 4 **Preprocessor**

Chapter 5 **ASG**

Chapter 6 Post-Processing And Scoring

Chapter 7 **Evaluation**

- Generated dataset
    - NN

Chapter 8 **Literature Review**

- Reread to refer
    - Compare approaches