

# Retrofitting Word Embeddings using Semantic Lexicons

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## 1 Introduction

‘is it possible to use the semantic lexicons to improve the quality of word embeddings?’

## 2 Requirements

Report+code submission Upload your report and code on moodle, as a single archive, which should include clearly separated

the program(s), with online help and a README allowing simple use, and a report including about 20 pages is requested. The report must contain: a theoretical part , which describes in a well-separated manner: (i) the task to be automated, (ii) the method to perform this task automatically, its advantages and disadvantages; an experiments and results section: here you describe the resources that you used (corpora, lexicon etc...), the different experiments performed, the method of evaluation of your system, and the results of this evaluation. a computer science part , which very briefly describes the general organization of the code, possibly implementation choices, possible problems encountered and their solution, etc. ; a user manual : the practical indications (command line) to execute the program. The best way is to program an online help, then copy and paste the online help into your report. NB: even if the jury knows the task, you must re-explain it in your own words.

NB: if you use articles, scientific books and/or resources (lexicons, annotated corpora...), cite them specifically (including refs provided by your supervisor).

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- 3 Phases of the project
- 4 Modelisation
- 5 Encountered difficulties and non-finished tasks
- 6 Conclusion