

# Instructions for NAACL-HLT 2019 Proceedings

## Anonymous NAACL submission

### Abstract

This document contains the instructions for preparing a camera-ready manuscript for the proceedings of NAACL-HLT 2019. The document itself conforms to its own specifications, and is therefore an example of what your manuscript should look like. These instructions should be used for both papers submitted for review and for final versions of accepted papers. Authors are asked to conform to all the directions reported in this document.

## 1 Introduction

- intro to task: Why is sentiment analysis cool/useful/difficult?
- motivation for cross-lingual approaches: We often have no annotated data for Language X, especially for specific domains.
- why it's interesting to use no MT: under-resourced languages, MT requires too much parallel data
- what problem that might introduce

## 2 Related Work

- Cross-lingual Sentiment Approaches that are relevant here: under-resourced langs
- Bilingual Word Embeddings: Artetxe and why we use these: SOTA and low-resource
- Word order in sentiment:
- Reordering for machine translation

### 2.1 Cross-lingual Sentiment Analysis

([Mohammad et al., 2015](#))

### 2.2 Bilingual Word Embeddings

### 2.3 Reordering for Machine Translation

Crego etc.

## 3 Methodology

### 3.1 Models

- LSTM, CNN, SVM
- Differences between how models handle word order

### 3.2 Corpora and Datasets

- OpeNER, Multibooked
- Europarl, Tatoeba
- motivation for using these resources

### 3.3 Experimental Setup

- Test all models on two cross-lingual setups (en-es, en-ca)
- Compare: No reordering, Random Reordering, ONE, No lexicon, Only lexicon
- What are the competing hypotheses for each of these setups?

## 4 Results

## 5 Analysis

## 6 Conclusion and Future Work

## References

Saif M Mohammad, Mohammad Salameh, and Svetlana Kiritchenko. 2015. How Translation alters sentiment. *Journal of Art*, 54:1–20.

## A Appendices

Appendices are material that can be read, and include lemmas, formulas, proofs, and tables that are not critical to the reading and understanding of the paper. Appendices should be **uploaded as supplementary material** when submitting the paper for review. Upon acceptance, the appendices

		Binary	4-class
EN-ES	Original		
	Reordered		
	N-ADJ		
	Random		
	Only Lexicon		
EN-CA	No Lexicon		
	Original		
	Reordered		
	N-ADJ		
	Random		
	Only Lexicon		
	No Lexicon		

Table 1: Macro  $F_1$  results for all corpora and techniques. We denote the best performing projection-based method per column with a *blue box* and the best overall method per column with a *green box*.

come after the references, as shown here. Use  
`\appendix` before any appendix section to switch  
the section numbering over to letters.