

# HW and Project Template

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## Abstract

this is a testThis document contains the instructions for preparing a manuscript for the proceedings of ACL 2020. 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

Table 1: Feature Engineering Grid Search

Token Engine	Token Sep.	Language Feature Filters			
		None	Case+ Punct.	Lemma	Stop Word
CVect	nlTK	0.399	<b>0.435</b>	<b>0.435</b>	0.401
CVect	regex	0.396	0.413	0.413	0.399
Tf-Idf	nlTK	0.382	0.382	0.382	0.386
Tf-Idf	regex	0.360	0.374	0.374	0.381

Table 2: Feature Engineering Grid Search

Reg. Penalty	Logistic Reg. Solver				
	lbfgs	lib-	newton linear	saga	sag
None	0.399	-	0.401	<b>0.454</b>	0.447
L1	-	0.423	-	0.428	-
L2	0.447	0.432	0.450	0.447	<b>0.450</b>

**L<sup>A</sup>T<sub>E</sub>X-specific details:** Use `\appendix` before any appendix section to switch the section numbering over to letters.

## A Supplemental Material