

DISAMBIGUATION PRACTICAL-4 REPORT

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For this practical, I selected two tagger:

- udpipe tagger
- perceptron based tagger

In case of UDPipe tagger, the overall performance was better than that in case of perceptron based tagger. As the perceptron based tagger was just a simple tagger without too many rules, it was expected to perform worse than UDPipe tagger. The UPOS(Universal Part of Speech score) for UDPipe tagger is 94.63%, and for conllu perceptron based tagger is 90.47%.

UDPipe Tagger Evaluation Results:

Metrics	Precision	Recall	F1 Score	AligndAcc
Tokens	100.00	100.00	100.00	
Sentences	100.00	100.00	100.00	
Words	100.00	100.00	100.00	
UPOS	94.63	94.63	94.63	94.63
XPOS	95.77	95.77	95.77	95.77
Feats	90.86	90.86	90.86	90.86
AllTags	89.82	89.82	89.82	89.82
Lemmas	84.86	84.86	84.86	84.86
UAS	100.00	100.00	100.00	100.00
LAS	100.00	100.00	100.00	100.00

conllu Perceptron Tagger Evaluation Results:

Metrics	Precision	Recall	F1 Score	AligndAcc
Tokens	100.00	100.00	100.00	
Sentences	100.00	100.00	100.00	
Words	100.00	100.00	100.00	
UPOS	90.47	90.47	90.47	90.47
XPOS	100.00	100.00	100.00	100.00
Feats	100.00	100.00	100.00	100.00
AllTags	90.47	90.47	90.47	90.47
Lemmas	100.00	100.00	100.00	100.00
UAS	100.00	100.00	100.00	100.00
LAS	100.00	100.00	100.00	100.00